



THE UNIVERSITY OF THE WEST INDIES  
MONA CAMPUS, JAMAICA, WEST INDIES



DEPARTMENTAL  
**REPORTS**  
2016/2017





**UWI**  
MONA CAMPUS  
JAMAICA, WEST INDIES

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# **DEPARTMENTAL REPORTS**

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**2016–2017**

**REPORT TO CAMPUS COUNCIL, MONA  
AND TO COUNCIL  
FOR YEAR ENDING JULY 31, 2017**

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*Cover photo:* Professor Archibald McDonald (left), Principal of the UWI Mona, Prof. Denise Eldemire-Shearer (2nd left), Chair of UWI Research Days Committee, Chauntelle Green (3rd left) of the Port Royal Marine Lab, and Dr. Camille Bell-Hutchinson, Campus Registrar, look at the Marine Life Touch Tank, one of the exhibits at UWI Research Days 2017.

Set in Adobe Garamond 11/14.5 x 27

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# THE LIBRARY

## Mona

Year ending July 31, 2017



PAULETTE KERR

BA, Dip Lib, MA *UWI*, PhD *Rutgers*

Campus Librarian

## – Overview –

The academic year 2016–2017 was a year of transition, triumphs and recurring challenges for the Mona Library. It was the final year of the UWI Strategic Plan 2012–2017, and the period of preliminary planning of the *Triple A 2017–2022 Strategic Plan*. We were successful in a number of areas and achieved aspects of the final year of our Operational Plan; there was an increase in revenue generated by the Library, and we were able to recover valuable print resources through a fines amnesty. The state of the outdated physical plant led to continued discussions with the Campus Projects Office with the aim of repurposing and renovating existing spaces and finalizing architectural designs/drawings for new spaces. The financial challenge hampered the provision of services as the Library continued to be indebted to vendors and suppliers resulting in orders not being filled. However, the creativity and resourcefulness of staff, and continued beneficial collaborations with our partners, made it possible for the Library to provide exceptional customer service, and support the University in its mandate of teaching, learning, student development, and research.

The Library engaged in a number of collaborative initiatives during the period. Of note, is the submission of a joint proposal between UWI and Howard University in May 2017, to ASHA/USAID for funding a state-of-the-art digitization facility, the *Caribbean Digital Centre of Excellence* (CDCE) at Mona. This partnership with Howard University also resulted in a visit from the President, Dr. Wayne Frederick, and a small delegation,

to the Main Library on April 21, 2017. Their tour of the Library included viewing of archival resources in the West Indies and Special Collections, the Bindery, Systems Unit, and the Post Graduate Learning Commons (PGLC) during which Dr. Frederick engaged with staff and students. The Mona Library also collaborated with Jamaica National (JN) resulting in an accepted proposal for Corporate Access and Research Services to Jamaica National Executives, with an aim of fostering greater partnership and income generation.

The Radical Collaboration Programme aimed at building strong and effective working relationships within the Library, was introduced to staff in August 2016.

The Library continued its vibrant outreach programme during the period. It hosted its inaugural “Library Open Week” from October 9 to 14, 2016. The week was part of broader outreach activities to improve the visibility of the Library and better communicate its value, especially to UWI stakeholders. In addition, the Library continued its outreach Information Literacy sessions at the Brown’s Town Community College, and accommodated students for internship from the Department of Library and Information Studies and Excelsior Community College. EndNote training sessions were offered to students and staff of the Faculty of Medical Sciences. Collaboration between the Mona Library and Office of Graduate Studies and Research resulted in a number of writing workshops for graduate students.

A major highlight for the period was the partial renovation of the Science Branch Library (SBL) and the hosting of an official ceremony to mark the re-branding and dedication of the SBL as the Science & Engineering Branch Library (SEBL), at which the Minister of Science, Energy and Technology, Dr. the Honourable Andrew Wheatley, brought remarks.

The Library said farewell to four long-serving members of staff during the year. Mr. Arthur McBean, Senior Library Assistant, retired after 42 years of service; Mr. Derek Garrick, Accounting Clerk, retired after 39 years; Mrs. Vaunette Neil after 10 years of service, and Mr. Kensworth Shambo after 11 years. Ms Beverley Lashley, Deputy Librarian and Ms Rochelle Davis, Librarian at the Law Library resigned in October 2016;

and Ms Mellisa Bailey resigned in February 2017. Ms Audrey Saddler joined the staff as Systems Librarian. In addition, eleven support staff were employed during the year. We were extremely saddened with the passing of two staff members, Mr. Anthony Walden on December 12, 2016, and Ms Antonette Harriott on May 22, 2017.

## **COLLECTION DEVELOPMENT**

The recurring financial challenges facing the University hindered the projected development of the Library's collections during the period. However, a number of gifts were received and purchases made in key subject areas.

### **Purchases and Gifts**

The Library continued to fulfill its mandate of purchasing highly recommended or prescribed reading material for all courses offered on the Campus. Where available, electronic copies of these texts are also purchased. However, due to delays in payments, the timely supply of key texts from our main vendor, the University Bookshop, remained a problem throughout the year.

Large and small donations from various individuals and groups including faculty, past students, and well-wishers, continue to benefit the Library's collections. Major donors included, The UWI Bookshop, UWI Press, Ambassador Sergio Morriera Lima on behalf of the Ministry of Foreign Affairs of Brazil, Professor John Bewaji, Mr Anthony Gambrill, Ms Kay Dunkley, Ms Abigail Harrison, Ms Shala Alert, Mr Andrew Robinson, and Professor Franklyn Knight. The estimated value of gifts for the reporting period is US\$97,774.09. The Most Honourable P J Patterson was generous to the Mona Library again when he donated two boxes of his special newspaper clippings to be added to his invaluable collection currently housed in the West Indies and Special Collections. The Library also benefitted from donations from the family of the late Peter Abrahams. The Western Jamaica Branch Library received a large donation of law books and other texts from the Estate of the late Gaba and Sandra Bright valued at over US\$21,000.

## **Databases**

The Library maintained subscription to all its databases with the exception of *Science Direct* provided by Elsevier. As a result of exorbitant costs, a decision was taken across all campus libraries of the UWI to suspend the subscription to Science Direct database for a period of two calendar years, 2017 and 2018. The Library will continue to receive access to all subscribed journal titles published within the years 2002 and 2016.

## **Database Trials**

In its ongoing efforts to add value in offerings to stakeholders, the Library negotiated with a number of database providers for trials of their products to faculty. Trials were arranged for:

- Bates' Visual Guide to Physical Examination – a database which features a comprehensive collection of 18 volumes of clinical assessment videos; 7 hours of clips; and 5 supplemental learning modules that span a diverse set of patient types.
- Lippincott Advisor, a collection of more than 16,000 evidence-based entries and patient teaching hand-outs.

## **Reserved Book Collection**

There was a fifty percent (50%) reduction in the number of new print titles added to the Reserved Book Collection (RBC) when compared to the previous year. Similarly, additional copies of titles that were already in the collection also fell by seventy seven percent (77%). However, there was an effort to engage in the purchase of additional e-books, which could account for the fall in print RBC titles, as students gravitated towards using e-books due to their accessibility.

## Gifts and purchases 2016–2017

Table 1: Gift items added to the collection 2016–2017

Branches	New Titles	Total Volumes	Audio Visuals	Theses
Main	304	508	5	–
Science	83	133	1	–
Medical	140	169	7	–
WISC	428	483	48	61
WJC	57	169	1	–
Law	861	959	–	–
E-books	66	66	–	–
<b>Total</b>	<b>1,939</b>	<b>2,487</b>	<b>62</b>	<b>61</b>

## Fines Amnesty

Attempts were made to aggressively recover long overdue materials in all libraries. One initiative was a fines amnesty that ran from May 1 to May 19, for all books due on or before April 21, 2017. The initiative was fairly successful. All students with overdue materials from the Library between 2015 and 2017 were individually called or emailed. A general notice of the fine amnesty was also sent out through ALEPH to all students with overdue books. While there were challenges in reaching library patrons, over one hundred books were returned and over two million dollars in fines waived. The Library will renew efforts to reach patrons and recoup overdue books, in the upcoming academic year. The Head of Public Services has mandated the Systems Unit to work with Student Administration System (SAS) and MITS to ensure that the student records transferred to the Library will have all the necessary contact details. This will empower the Library to be able to make the necessary contacts in a timely way.

**Table 2:** Total Materials Recovered in Fine Amnesty

<b>Library</b>	<b>No. of Items Overdue</b>	<b>No. of Items Returned</b>	<b>Fines Waived</b>
Main Library	660	126	\$304,790
Law Library	56	25	\$353,190
Science & Engineering Branch	181	24	\$875,410
Medical Library	131	6	\$503,320
WJC	18	4	\$3,000
<b>Total</b>	<b>1046</b>	<b>185</b>	<b>\$2,039,710</b>

## ACCESS TO COLLECTIONS

The Library continued its aggressive efforts to improve access to its collections during the year under review. Through the Cataloguing Section, over 527 original cataloguing records inclusive of West Indian monographs and audiovisual materials were created. A total of 8,770 new titles were uploaded to the OPAC. This is inclusive of electronic resources, theses and research papers, West Indies and Special Collections monographs, journals and audiovisual material, as well as the Law Library Special Collection.

Three thousand, three hundred and twenty-six (3326) electronic texts were edited and exported to the OPAC. Over 160 items from the Rex Nettleford collection are now accessible by Library patrons after they were catalogued during the period and returned to the West Indies and Special Collections Section. The Law Library acquired just over 900 new books, and of this amount, 814 were catalogued during the period. The students benefited from the addition of 5,471 records of examination past papers to the OPAC during the period under review. Approximately

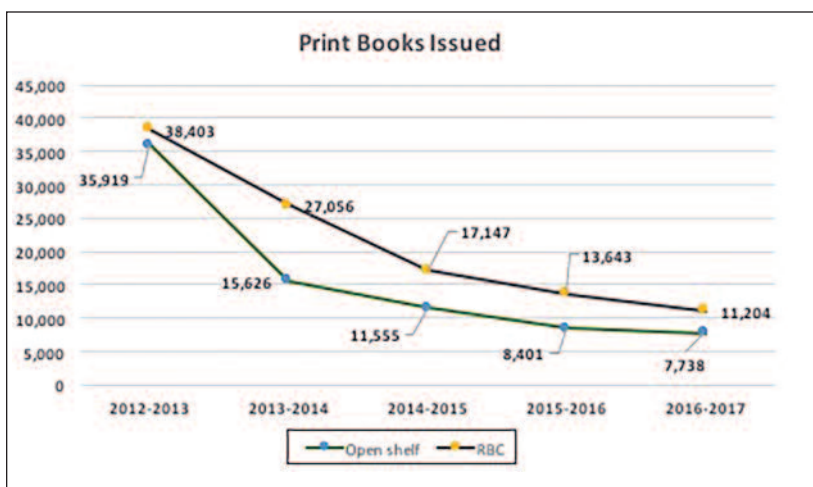
424 items (inclusive of monographs, periodicals and audio-visuals) were processed and added to the Library at the Western Jamaica Campus.

### Retrospective Conversion

There was a decrease in the number of retrospective conversion items uploaded to the system; this was due to the retirement of the staff member who was fully dedicated to this project. Over 3300 items were uploaded and linked to the OPAC giving Library users full access to these items.

### USE OF COLLECTIONS

The gradual decrease in the use of the print collections continued during the year under review which is indicative of trends in academic libraries worldwide. There was a 20% decrease of print issues from the Reserved Book Collection compared with the same period last year, with issues totalling 11,204. There was a slight decrease of material issued from the Open Shelf.



Database usage continues to be robust. There were over 500,000 full text downloads from the Library's databases, and 8,484 full text requests for e-books for the period.

### **New Virtual Reference Platform, *Kayako* (Ask A Librarian)**

The UWI Mona Library ceased its subscription to QuestionPoint in January 2017 and enlisted the services of Mona Information Technology Services (MITS) to provide a chat software, *Kayako* as a replacement. Staff were trained and *Kayako* Chat went live March 23, 2017. The service is offered from 9:00 am to 9:00 pm on weekdays, and patrons can submit their queries via email when the service is not available. Between March and July 2017, the Library chatted with 30 patrons. Increased usage is expected as *Kayako* is currently advertised on the Library's website and social media pages.

### **Inter-Library Loan**

Library patrons continued to benefit from the inter-library loan service offered by the Library. During the review period, over 80% of the requests received were satisfied. However, 80% of the incoming requests were not met because the material requested was from the West Indies and Special Collections which is a non-circulating collection.

	2016–2017			2015–2016		
<b>Outgoing Requests</b>	<b>Sent</b>	<b>Filled</b>	<b>Unfilled</b>	<b>Sent</b>	<b>Filled</b>	<b>Unfilled</b>
Local (WJC)	4	4	0	–	–	–
Regional	46	38	8	70	55	15
International	7	5	2	10	8	2
<b>Total</b>	<b>57</b>	<b>47</b>	<b>10</b>	<b>80</b>	<b>63</b>	<b>17</b>
<b>Incoming Requests</b>	<b>Received</b>	<b>Filled</b>	<b>Unfilled</b>	<b>Received</b>	<b>Filled</b>	<b>Unfilled</b>
Local (WJC)	29	25	4	28	22	6
Regional	40	33	7	35	26	9
International	172	36	140	115	25	95
<b>Total</b>	<b>241</b>	<b>94</b>	<b>151</b>	<b>178</b>	<b>73</b>	<b>110</b>

## Extended Hours

There were also notable fluctuations in the usage of the Library during the extended hours shift. Usage rose sharply during the months leading up to examinations, reached a peak during examination periods, and declined sharply thereafter until the end of each semester.

## INFORMATION LITERACY

There was a significant increase in the number of sessions and attendees at Information Literacy training this year. A total of 310 sessions were conducted which was attended by 8,660 students.

## GRADUATE STUDIES

### Thesis Scrutiny

Mona Information Literacy Unit (MILU) sustained its working relationship with the Office of Graduate Studies and Research to provide assistance to postgraduate students through face-to-face and email thesis consultations and workshop presentations. Face-to-face thesis consultations continued to outnumber theses sent directly from the Office of Graduate Studies and Research, in the period.

*UWI Mona Theses Examined for the Period August 2016–July 2017*

Total	Consultation	Scrutiny
123	73	50

## RESEARCH DAYS 2017

The Mona Library played an integral role in the University's 18th staging of Research Days. The Library's interactive display, themed: "*Facilitating Innovation for Development through Research Support Services*" was given energy through the unique movie theatre booth set-up, which attracted mention in the *Sunday Observer* of February 5, 2017 as an "attention-grabbing feature" of Research Days. The display highlighted the ways in

which The UWI Mona Library is a key contributor to initiatives which facilitate innovation for development through research support services, namely – metadata and digital curation, discovery and access, data organization and management, preservation, space, outreach, and embedded services.

## **INCOME GENERATION**

The Mona Library continued its initiatives to generate income for the Library and by extension the Mona Campus. The Reprographic Services Unit (RESU), the Multifunctional Room, and the Preservation and Conservation Unit, continue to be the main income generating sources. Branch Libraries also assisted in generating income through printing, photocopying and fines. The year under review saw the relocated RESU generating \$7,542,743, an increase of 83% over the previous year; the Multifunctional Room rental generated \$959,183; and the Bindery realized \$789,771 in income. The Bindery's impact was stymied by long turnaround time to purchase needed resources.

## **OUTREACH INITIATIVES**

### **Halls of Residence Librarians (HRL)**

Librarians assigned to the Halls of Residences on the campus had a very active year and were engaged in a range of activities. While there were initial challenges in making contact with Hall Managers and Resident Advisors, most librarians had success throughout the year. Many sought and succeeded in being included in the First Year Experience programme. A new thrust during the year was the intense promotion of the HRL programme to engender greater visibility. Promotion strategies included social media marketing, large posters in all libraries featuring the librarians, coordinator of the programme and their contact information.

Librarians engaged in the programme provided quality assistance to students. This involved individual and group sessions at which students were shown the advantages of using the Library's e-resources in relation to *Google Scholar*. In order to boost their confidence in conducting

research, they were guided in their use of the UWILinc interface to search databases, and to avoid plagiarism through proper referencing and citations. Towards the end of the academic year students were shown how to locate e-past examination papers towards effective preparation.

### **Library Open Week**

The inaugural Library Open Week was held October 9–14, 2016. The overarching objective was to reemphasize the Library's position as a key partner, contributor, and facilitator in the continued growth and success of the Mona Campus. Several signature events were held to celebrate and showcase the scholarship of UWI staff, highlight the value of the Library's resources and services including its Special Collections, as well as to engage with students and faculty regarding the Library's role in enhancing their teaching, learning and research experiences.

Highpoints of the week were:

- *Celebration of Books Reception and Exhibition Launch | October 10*

The Celebration of Books exhibition showcased the distinguished scholarship of UWI Mona staff members with book-length works published between August 2015 and August 2016. Twenty nine authors were featured in the exhibit, and their varied backgrounds and research interests created a diverse and interesting catalogue of publications. A reception was held to launch the exhibition where attendees were able to interact with the authors who shared experiences and the inspiration behind their publications. Professor Carl Campbell, guest speaker, and Professor Paulette Ramsay who responded on behalf of the authors, were presented with tokens from the Library. The exhibition was mounted in the Catalogue Hall of the Main Library for the month of October.

- *Panel Discussion | October 11: "From Idea to Publication" Reflections by Award-winning Librarians*

This activity featured librarians who received awards for research publications in 2016. The objective was to highlight the intellectual contribution and scholarship of UWI Mona librarians, and create a forum through which they could share with the audience their motivation

and the research process they engaged in which led to them attaining award-worthy publications.

- *Hand-over Ceremony to mark the inscription of the Roger Mais Collection into the UNESCO Memory of the World Latin American & the Caribbean Register | Wednesday, October 12*

The Roger Mais Collection, held at the Main Library was officially inscribed in the UNESCO Memory of the World Latin America and Caribbean Regional Register. In recognition of the significance of this prestigious award, the Library in partnership with the UNESCO Cluster Office for the Caribbean, hosted a ceremony at which the Advisor for Communication and Information, UNESCO Cluster Office for the Caribbean, Mrs Isabel Viera-Bermudez, formally presented the official certificate acknowledging the inscription of the work of the late Jamaican journalist, novelist, poet, and playwright in the Register. Professor Ishenkumba Kahwa, Deputy Principal of the Mona Campus, accepted the award on behalf of the University.

- *E-Resources Fair | Thursday, October 13*

The E-Resources Fair was held to increase students' awareness of the range of electronic resources and services available to them through the UWI Mona Library. The fair exposed students to the usefulness of these important resources and services in the hope that it will eventually result in increased usage by library patrons. The event featured presentations and exhibits by presenters from various e-resource providers including EBSCO, Lexis-Nexis, Scifinder, IEEE, and ACS.

- *Campus Librarian's Meeting with Student Groups | Thursday October 13*

The Campus Librarian and a team of librarians met with representatives from the Guild of Students and the Mona Association of Postgraduate Students (MAPS) to discuss a range of issues including the Library's role in improving students' learning and research experience through the variety of services it offers. The meeting afforded the students the opportunity to share their opinions about the Library's services, what they would like to see improved, and some of the ways in which all parties could collaborate on initiatives of mutual benefit.

- *Coffee Conversations | Friday, October 14*

The “Coffee Conversations” event was held to provide an opportunity for direct dialogue between Library staff and faculty members. The primary objectives were to present the Library as a critical partner in support of teaching, learning and research for all faculty members, and to build better relationships between the Library and faculty. A wide range of issues was discussed as the Campus Librarian, faculty, Liaison Librarians and Library support staff engaged in open conversations about the Library’s resources and services, and the possibilities for working together for improved and enhanced resources and services.

### **Internship Placements /Volunteer Programme**

During the period under review, students from the Department of Library and Information Studies, and Excelsior Community College, were accommodated in their fieldwork/internship attachment at the Library. Several JAMVAT students also volunteered their services, and provided valuable assistance in various areas within the Library system.

### **Mould Abatement Support to the Campus by the Preservation Unit**

Members of staff from the Preservation and Conservation Unit provided much needed consultation and mould abatement services to the Faculty of Social Sciences.

### **Quality Assurance Review**

As part of its ongoing support to teaching, learning and research, the Medical Branch Library participated in a quality assurance review visit from the Fertility Management Unit during which the visiting team was afforded a presentation on the Branch’s services; the coverage of print and other materials in the area of fertility management; a demonstration of access to databases and other e-resources; and a tour of the facilities.

## **Tours**

In addition to the usual tours done during Orientation, the Library also facilitated tours to the following institutions:

- Charlemont High School Reading Club
- Luther College
- Colgate University
- Bellefield High School

In addition it is estimated that over 400 students toured the Library with the campus tours during new students and general orientation.

## **Care to Share Team**

The Library's Care to Share Team continued outreach activities during the year with a number of projects. The team repainted the Grace Duncan Block at the Randolph Lopez School of Hope on August 20, 2016; solicited school supplies from Library staff and made a second donation to the Shady Grove Basic School on February 24, 2017; a wheelchair donated by a staff member was presented to the Mustard Seed Children's Home on July 7, 2017.

## **UWI/CB Chicken Run Walk**

A team of 15 staff members from the Library participated in the 5<sup>th</sup> annual *UWI/CB Chicken Run Walk*.

## **Exhibitions**

The Library collaborated with departments, clubs and societies on the campus to host a number of exhibitions during the period under review. The Library also collaborated with the Office of the Pro Vice-Chancellor for Graduate Studies and Research to mount *Investigating Climate, Inspiring Change* to coincide with the meeting of the Intergovernmental Panel on Climate Change (IPCC). Selected exhibitions were mounted on the Library's website.

## **STAFFING**

During the year under review the Library employed a total of 28 professional staff; 90 Administrative, Technical and Support staff; and 130 student assistants.

### **Long Service Awards**

During the year the following members of staff received long Service Awards from the University:

#### **15 years of service**

- Valrie Ellis, Cheryl Folkes, Jewel-Ann Garvey, Robert Murray, Karlene Robinson, and Godfrey Walker

#### **21 years of service**

- Shawnette Allen and Fernando Spencer

#### **30 years of service**

- Paulette Kerr

### **Customer Service Awards**

The Library's Annual Customer Service Award continued, and based on nominations from eight Sections, certificates for excellence in customer service were presented to each nominee at the Library's Annual Christmas Dinner. Recipients included:

- Mrs Donna Gentles-Mullings, Cataloguing Section
- Mr Kenard Cox, Medical Branch Library (MBL)
- Miss Marcia Dunkley, Science & Engineering Branch Library (SEBL)
- Miss Amainia Walters, Bindery
- Mrs Allison Walder, Acquisitions Section
- Miss Samantha Earle, Western Jamaica Campus (WJC)
- Mrs Shomar Beckford-Harvey, Administration
- Mr Cedric Palmer, Reprographic Services Unit (RESU)

The committee selected Mr. Cedric Palmer, and Mrs. Shomar Beckford-Harvey to be the recipients of the *UWI Mona Library's Customer Service Par Excellence Award*, which is the library's highest customer service award.

## **STAFF DEVELOPMENT**

### **Radical Collaboration**

The Library invited Dr. Marina Ramkissoon, Senior Lecturer in the Department of Sociology, Psychology and Social Work, to engage Library staff with a shortened version of the Radical Collaboration Programme. The programme which is aimed at developing effective collaborative skills within organizations, was identified to address organizational culture in the Library. Several initiatives formed Phase I of Radical Collaboration. These included, a two-day workshop in August 2016 with 32 Heads of Sections/Units and other key leaders from the ATS staff; follow-up interviews with staff; a presentation at the bi-annual General Staff Meeting; and a relaxing dance session at the end of the Semester. Leadership training will follow for Phase II.

### **Training**

As part of the Library's initiative to provide job enrichment and to strengthen staff competencies a number of staff members participated in training sessions, seminars and workshops during the year under review.

Two Librarians, Cheryl Kean, Head of Acquisitions, and Tereza Richards, Head of the Medical Branch Library, were funded by the Library to participate in the annual *Leadership Institute for Academic Librarians* at Harvard University. This is part of the overall plan to develop leadership competencies.

Yolanda Tugwell, Librarian in the Technical Services Section, was selected as a 2017 Mortenson Associate by the Mortenson Center for International Library Programs, University of Illinois – Champaign. This program focused on leadership and communication training to international

librarian. Ms. Tugwell also received a scholarship to attend the Ohio Valley River Group of Technical Services Librarians Conference, Xavier University, Cincinnati, Ohio.

Mrs Karen Tyrell attended the Mixed Methods International Research Association Regional Conference titled: “Looking Backward and Forward: The Evolution of Mixed Methods Research Communities, Jamaica, and the Association of College and Research Libraries (ACRL) Biannual Conference under the theme “At the Helm: Leading Transformation”.

Mrs. Karlene Robinson and Mrs. Genevieve Jones-Edman attended a training session at CETL concerning the use of the software *Quizalize* to be used in conducting assessment during teaching.

Karlene Robinson, Jessica Lewis, Genevieve Jones-Edman and Jacqueline Howell Nash attended a webinar on *Targeting the Librarian's Role in Research Services*. This webinar saw a number of presenters speaking on how librarians can engage faculty in opportunities for collaboration.

Dr Sasekea Harris completed the Certificate in *Transformational Leadership and Management*, at the Mona School of Business and Management.

Miss Jessica Lewis attended and completed a six-week project management course at the UWI Mona School of Business entitled *Principles and Practices of Project Management*.

### **Customer Service Training Sessions**

The Customer Service Team led the Library's 2016–2017 customer service initiatives aimed at improving overall employee engagement and development, with specific emphasis on internal and external client relations within the entire UWI Mona Library. The initiatives engaged in during the year included *Customer Service Thought for the Week*, which is geared at enhancing awareness of quality customer service and keeping customer service in the minds of all staff through the circulation of weekly customer service quotes. In addition, a number of seminars and workshops were held during the year.

- December 1, 2016, *Ubuntu*, Dr Dave Gosse, Lecturer, Institute of

Caribbean Studies, UWI Mona. Dr Gosse delivered a memorable presentation on the Southern African concept *Ubuntu* and its nexus with customer service.

- *Stress Management* seminar by Dr. Lester Shields, Counsellor, UWI Health Centre – February 9, 2017
- *Managing the Stressful Customer*, April 18, 2017, by Mrs. Sharon Williams Brown, Senior Counsellor, UWI Health Centre
- *Conflict/Relationship Management*, May 30, 2017, Mrs. Sharon Williams Brown, Senior Counsellor, UWI Health
- *Kindness and Customer Service Care*, presented to staff of the WISC (due to the passing of a colleague), by Dr. Angela Gordon Stair, Head, Counselling Services, UWI Health Centre;

In addition, staff also participated in training offered by the Human Resources Management Division.

#### PAPERS PRESENTED AT CONFERENCES AND SEMINARS

- **Harriott, Antonette.** “Putting up Resistance: Using Technology, Activity, Meaningfulness, Rewards and Collaboration (TAM-RC) to Combat Apathy and Resistance in the Information Literacy Classroom”. International Association of School Librarianship Regional Conference, Kingston. July 12–15, 2016.
- **Harris, Sasekea.** “Enhancing Awareness of STEM in Academic Libraries: A Jamaican Case Study – From Idea to Publication”. UWI Mona Library Multifunctional Room. Panel Discussion – “From Idea to Publication: Reflections of Award Winning Librarians”. October 11, 2016.
- **Harris, Sasekea.** “Four Truths that will make your Journey a Success”. Montego Bay Community College Convocation, Alice Eldemire Drive, Montego Bay, September 5, 2016.
- **Harris, Sasekea.** “Top Trends and Issues in Jamaican Academic Libraries”. DLIS 4th Research Forum. “Stimulating Scholarship: Exploring the Relationship between Research and Practice in Library and Information Science”. Kingston, Jamaica. February 2, 2017.

- **Jones-Edman, G.** “Memory boxes: Exploring the collections of some early Jamaican writers”. *35th West Indian Literature Conference*. Holiday Inn Resorts, Montego Bay, Jamaica. October 2016.
- **Kerr, Paulette, Frances Salmon, and Maureen Kerr Campbell.** “Rich Collections, Scarce Resources: Conundrum of Digital Curation in the Caribbean.” *Libraries in the Digital Age (LIDA)* Zadar, Croatia. June 2016.
- **Lewis, Jessica and Tanya Manssi.** “Pushing Primary Resource Potential: Archival Management Systems and Special Collections Information Literacy Instruction at The University of the West Indies, UWI Mona Library.” *The International Federation of Library Associations World Library and Information Congress (IFLA) Information Literacy Satellite. Artifactual Literacies: Engaging Minds in Libraries and Museums.* Association of College and Research Libraries and DePaul University in Chicago, Illinois, USA. August 2016.
- **Lewis, Jessica.** “The Shifting Media and Information Literacy Landscape” at the 5th Annual Global MIL Week Conference. UNESCO & University of Sao Paolo, Sao Paulo, Brazil. October 31–November 2, 2016.
- **McKoy-Johnson, Faith.** “Social Accountability in the Health Sciences” at the Workshop on Social Accountability in Public Health hosted by the Department of Community Health and Psychiatry (organized by Dr. Tomlin Paul as the first Library-Faculty Collaborative Initiative) held February 23, 2016.
- **Robinson, Karlene, Jessica Lewis and Karlene Nelson.** “Improving Graduate Theses: An investigation of Thesis Consultation”. *DLIS 4th Annual Research Forum*. University of the West Indies Mona Library. February 2, 2017.
- **Robinson, Karlene, Jessica Lewis and Karlene Nelson.** “Improving the technical presentation of graduate theses: An investigation of the Thesis Scrutiny process at the University of the West Indies Mona Library.” *DLIS 4th Research Forum*, Kingston, Jamaica February 2, 2017.

- **Robinson, Karlene, Tanya Manassi and Sasekea Harris.** “From Idea to Publication: Reflections of Award Winning Librarians”. *UWI Mona Library Open Week*, October 11, 2016.
- **Runcie, Rosemarie.** Resource Description and Access (RDA) workshops for the Library and Information Association of Jamaica (LIAJA) in May and June 2017.
- **Salmon, Frances and Maureen Kerr-Campbell.** “Resource Sharing Activities at The University of the West Indies (The UWI) Mona Libraries, Jamaica”. IFLA Satellite Meeting, Library of Congress, Washington D.C. 2016.
- **Salmon, Frances.** “A signature talk, *Copyright and Intellectual Property: Author’s rights*”. Office of Graduate Studies and Research for Research Days. *Institutional Addendum* to the Committee of Deans. A presentation on *Copyright* to the Mona Campus Committee for Graduate Studies and Research. 2017.
- **Walker, Godfrey.** “Library Consortium: the case of the UWI Libraries.” Scientific and Technical Information Network (STIN) Seminar. Scientific Research Council. November, 2016.

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- **Nelson, Karlene.** “Building Library Leadership Capacity through Mentorship: An Exploratory Study of Early Career Academic Librarians at The University of the West Indies, Mona Library.” *Leadership: A bridge between Tradition and Innovation. Proceedings of the XLVI Haiti Conference. Hotel Karibe, Pétion-Ville, Haiti, 5–9 June 2016*. ACURIL, 2017 [https://issuu.com/acuril2016haiti/docs/proceedings\\_of\\_the\\_acuril\\_xlvi\\_hait](https://issuu.com/acuril2016haiti/docs/proceedings_of_the_acuril_xlvi_hait)
- **Newman, Dunstan and Tereza Richards.** “Preservation Awareness Week: The experience of the University of the West Indies Mona Library”. *Caribbean Library Journal* Vol. 3, 2015.
- **Patrickson Stewart, Sonia G. and Nadine Newman.** “User services in the digital environment: Implications for academic libraries in the English-speaking Caribbean.” *Library Review*, Vol. 66, Issue: 4/5, pp. 213–234. <https://doi.org/10.1108/LR-07-2016-0058>. (2017).
- **Salmon, Frances, Maureen Kerr-Campbell, Paulette Kerr.** “Managing a digital archiving project at The University of the West Indies Library: a case study.” *Libellarium*, IX, 2 (2016): 95–107.
- **Smart, Cherry Ann and Baker-Gardner, Ruth.** Ignorance or Intent? A Caribbean Perspective of Plagiarism in Higher Education among LIS students: A Case Study. In *Handbook of Research on Academic Misconduct in Higher Education*. Editors: D. M. Velliaris. Hershey, Pennsylvania: IGI Global, 2017. pp. 182–205.

## PUBLIC SERVICE

### Sasekea Harris

- Chief Editor: *Library & Information Association of Jamaica (LIAJA) Journal*, Number 2 (2018) Chair: Research & Publications Working Party, Library & Information Association of Jamaica (LIAJA)

**Karen Tyrell**

- Member of the editorial board of the **New Library World Journal**.

**Rosemarie Runcie**

- Member of the Kingston Open Bible Church (KOB) Research Committee

**Paulette Kerr**

- Chair and UWI Representative, UNESCO UNITWIN MILID Group
- Member, Standing Committee and Paper Reviewer, European Conference on Information Literacy (ECIL)
- Member, ALISE – Connie Van Fleet Award Committee
- Co-Editor, *MILID 2016 Yearbook*
- Member, Board of Management, National Library of Jamaica
- Member, Association of Library and Information Science Education (ALISE)
- Member American Library Association

**HONORS AND AWARDS**

- **Dr. Sasekea Harris** received the Research and Publication Award from the Library and Information Association of Jamaica (LIAJA).



# FACULTY OF HUMANITIES AND EDUCATION

**Mona**

Year ending July 31, 2017



PROFESSOR WAIBINTE WARIBOKO

B.A. (*Port Harcourt*), M.A. (*Ibadan*), Ph.D. (*Birmingham-UK*)

Dean

# Overview

## INTRODUCTION

The year under review, whilst marking the end of the Strategic Plan which began in 2012, also provided a platform for continuity with the next Strategic Plan which begins in August 2017. Hence, whilst still completing the tasks set under the existing Plan, the Faculty also began to realign certain internal academic and administrative processes to achieve a seamless transition to the new Plan. Anticipating the emphasis on increasing access to tertiary education as contained in the next Plan, including the urgent need for this Faculty to reverse its declining student enrolment, efforts were redoubled to achieve the following six interrelated strategic objectives. First: reverse the declining student enrolment through the provision of more flexible, market-responsive, and multidisciplinary programmes. Second: rethink, redress and reaffirm the relevance of the Humanities in the context of globalization largely driven by changes in information communication technologies. Third: continue with the ongoing efforts to refurbish the ageing physical structures in order to enhance the attractiveness of the learning environment. Fourth: since the delivery capacity of the learning environment is also dependent on its effective administration, fine-tune existing mechanisms for achieving employee engagement, including efficiency in the internal operational processes, in order to respond with greater agility to challenges in the global marketplace for tertiary education. Fifth: promote the UWI brand

nationally and regionally through public outreach activities. Sixth: with a view to strengthening the image of the University as a globally competitive provider of tertiary education in the Caribbean, seek international partnerships for promoting knowledge production through research and teaching. As a narrative of activities pursued through the Faculty Office and the various Departments, the subheadings below have been informed by these intertwined strategic objectives.

## **INCOME GENERATION**

The drive for financial self-sufficiency was a strategic objective pursued via the introduction of self-financing programmes. In addition to the existing self-financing undergraduate and graduate programmes, the following new ones were introduced: Bachelor of Arts in Librarianship; Bachelor of Arts in Information Studies; and Master of Arts in Archives and Record Management.

An existing sixty-six (66) credit first degree programme in Education, having been revised for multimodal delivery, was added to the growing list of self-financing programmes. This programme is set to benefit from a scholarship scheme recently put in place by the government of Jamaica for practicing teachers who have been required by the Jamaican Ministry of Education to upgrade their professional qualifications. The revision of this programme, whilst showing our quest for financial self-sufficiency, also showed our readiness to pursue the goals of “access,” “agility,” and “alignment” in the new Plan.

The Faculty also aggressively sought other ways of commercializing the intellectual resources at its disposal in order to diversify its earnings. The newly established “Caribbean Center for Educational Planning” in the School of Education, which is now poised to bid for projects in the areas of educational planning and policy formulation, amply demonstrated entrepreneurial appetite. The idea of earning additional revenue also induced various Departments to offer courses during the just concluded Summer School in July 2017. Across Departments, including the Faculty Office, efforts to leverage the benefits of information communication

technology in the administrative processes in order to achieve financial benefits through cost reduction over time were also pursued.

Finally, the FHE “Benefit Fund” for students, it may be recalled, was established in September 2015. During the year under review the “FHE Fundraising Committee” organized a number of fundraising activities to boost this account. Fully expanded and implemented over a longer period, this initiative has the potential of enhancing the student-centered image of the Faculty. This is because it could, in combination with other factors, minimize the number of students who might otherwise withdraw from programmes due to minor financial challenges.

## **EMPLOYEE ENGAGEMENT AND DEVELOPMENT**

To facilitate academic staff development the Faculty had taken a very early opportunity to evolve an instrument for senior academic staff promotions. Having fulfilled the criteria outlined in that Faculty instrument and the provisions for senior staff promotion in the wider University, Dr Paulette Ramsay was elevated to the rank of Professor, while Drs Ingrid McLaren, Dave Gosse and Françoise Cevaer got promoted to the rank of Senior Lecturer during the year in review. These were noteworthy examples of senior staff development with far-reaching implications for strengthening existing institutional academic and administrative processes within the Faculty and the wider University.

In pursuit of the idea of lifelong learning junior lecturers in particular were encouraged to update their teaching delivery capabilities through the periodic workshops organized by the Center of Excellence in Teaching and Learning (CETL). Within this group, those recruited more recently were strongly advised to benefit from the certificate programme in university teaching offered by the CETL. Those who updated their teaching delivery capabilities through participation in these activities were subsequently duly rewarded during evaluation and promotion exercises.

Aside from the CETL workshops earlier mentioned, the Faculty organized a seminar under the auspices of the Deputy Dean for undergraduate

matters, Professor Silvia Kouwenberg, on 21 October, 2016. Two matters of critical importance to the career wellbeing of academic staff were discussed: publishing in non peer-reviewed journals and their implications for advancement within the academy; and the prescribed format for curriculum vitae preparation for evaluation and promotion purposes in the Mona Campus. Finally, a handful of staff, administrative and academic, benefitted from a short online training programme organized by the UWI “E-Learning Committee” to promote the use of *Blackboard Collaborate* (BBC), a web conferencing tool for enhancing teaching and learning.

With specific reference to administrative staff, the Human Resources Management Division organized workshops to further develop the routine administrative operations required for the effective running and functioning of the Faculty. Incoming Heads of Department at the start of the year under review, for example, had benefitted from training sessions organized by the Human Resources Management Division. These sessions, among other things, were designed to acquaint them with some of the basic administrative procedures and processes, including their prescribed roles, duties and responsibilities within the University.

## **INTERNAL OPERATIONAL PROCESSES**

The internal operational processes, as described in the preceding annual report for last year, were streamlined and strengthened to pursue the strategic goals of the next Strategic Plan: “access,” “agility” and “alignment.” These processes, in concert with other measures, promoted collegiality, strengthened harmonious workplace relations, facilitated the administration of quality assurance processes, and also fostered the student-centered image of the Faculty. The operational processes for quality assurance in undergraduate programmes, just to take one example, were further fine-tuned with the formulation of new “Operational Guidelines” to facilitate the work processes of the Faculty subcommittee on quality assurance (FAQAC). These guidelines included “Templates” for presenting courses and programmes for approval considerations.

Within the Faculty, various Departments also worked to put in place guidelines to facilitate programme development without violating existing Faculty and/or Campus guidelines. A document, “Guidance for a Cohesive Approach to the Development of Courses and Programmes,” has been developed in the School of Education. This document, while setting out the methodical process to be followed, also takes account of the immediate, medium and long term plans for curricula development within the School of Education. The current programme approval process, which involves the Department working with the Academic Quality Assurance Committee (AQAC) of the Mona Campus through the Faculty subcommittee (FAQAC), sheds light on the well coordinated reporting system undergirding the internal operational processes in the Faculty.

The system of reporting, which has led to a cohesive operational process across the Faculty, has always drawn strength from an effective network of internal communication. Hence, to promote an even more cost-effective network of internal communication, the Faculty invested in a digital notice board that is now mounted in the Faculty's Front Office. With this in place, the production of notices in hard copies by way of printing and photocopying will be minimized; and the Faculty Office, overtime, will also gradually leverage the financial benefits of engaging this information communication device in its internal operational processes.

### **TEACHING, LEARNING AND STUDENT DEVELOPMENT: UNDERGRADUATE MATTERS**

Undergraduate quality assurance and control matters were handled largely by the Deputy Dean for undergraduate matters who also coordinated the work of the Faculty quality assurance and control subcommittee (FAQAC). The things listed below were accomplished during the year under review.

1. Six outstanding level three courses, which were needed to complete the suite of courses for the BFA programmes in Animation and Film Production, were vetted and successfully taken through the Campus and the University approval processes. These two programmes are

now deemed complete for implementation at all levels in the Caribbean Institute of Media and Communication (CARIMAC).

2. The practicum component of an existing ninety credit (90) programme in Education was revised in order to meet a quality control requirement recently put in place by the Jamaican Ministry of Education, the main employer of trained teachers in Jamaica. As a result of this revision, students will from now on be required to undertake an entire semester of teaching practice.
3. Another sixty-six credit (66) programme in Education was reworked and approved for self-financing and multimodal delivery.
4. “Accounting for the Humanities I,” and “Accounting for the Humanities II,” were designed and approved for the Bachelor of Arts programme in Entertainment and Cultural Enterprise Management offered by the Institute of Caribbean Studies.

It may be recalled that, in search of more market-responsive and multidisciplinary programmes capable of increasing student enrolment, the BA in Cultural and Creative Industries programme was approved in June 2016. Having advertised during the year in review, this programme is now set to begin with the first cohort of twenty-one (21) students in September 2017.

## **THE LEARNING ENVIRONMENT AND STUDENT DEVELOPMENT**

The efforts to upgrade the learning environment by renovating the ageing buildings, and also technologically retrofitting the teaching venues for more effective teaching delivery, continued successfully. With respect to the latter, for example, two more classrooms were outfitted with multimedia facilities. Plans are also far advanced, under the auspices of the Campus Principal and the Campus Project Office, to renovate the “New Humanities Building” with a view to making it more user-friendly for both staff and students.

Individual Departments also added to the technological facilities intended to foster learning and enhance student development. The Department of Library and Information Studies retrofitted a seminar room and a

computer laboratory with videoconferencing codecs (life-size and polycom) to facilitate online delivery of courses. To enhance the teaching and research endeavors of the newly established Caribbean Center for Educational Planning (CCEP), as well as the Dudley Grant Early Childhood Resource Center, the School of Education installed videoconferencing facilities in their respective operational venues.

The Caribbean Institute of Media and Communication (CARIMAC), to be known from August 2017 as the Caribbean School of Media and Communication, also upgraded aspects of the physical structure. This upgrading activity to enhance the aesthetic appeal of the physical learning environment happened against the background of innovative development in the areas of new academic program offerings and increased student enrollment.

We have over the years established several mechanisms for encouraging student development academically and socially within and outside of the classroom. The “Annual Faculty Awards Ceremony,” for example, is a platform for acknowledging and rewarding students for their academic excellence. This effort got a tremendous boost with the addition of more prizes to the existing pool. In total, seventy-four (74) prizes were given out to students at the 2016/17 Awards Ceremony by the various Departments and the Faculty Office.

## **TEACHING AND LEARNING: POSTGRADUATE MATTERS**

The weekly staff/postgraduate seminars, organized by the various Departments, continued with very beneficial results. The level of participation and presentation by graduate students, especially those pursuing the research degrees of MPhil and PhD, increased impressively. With the benefit of videoconferencing the Department of History and Archaeology held cross-campus weekly seminars involving the staff and postgraduate students of the Cave Hill and St. Augustine campuses.

The Deputy Dean for graduate matters, Dr Anthea Morrison, worked in concert with the Office of Graduate Studies and Research to organize workshops aimed at enriching the learning experience of graduate students

in the Faculty. With a view to addressing questions relating to “Digital Sources” and the cardinal role these might play in any research endeavor, a seminar on “Digital Sources for Graduate Research in the Humanities” was held on June 12, 2017. It was well attended and received.

The throughput rate in the research degree programmes, as shown in the Table below, provides a symptomatic view of the hard work of those students who successfully completed and submitted their theses/dissertations during the 2016/17 academic year.

### Research Degrees Completed and Awarded During the Year in Review

Name	Department	Project Title	Degree
Nickesha Dawkins	Lang. Linguistics & Philosophy	Gender as a Sociophonetic Issue in Jamaica Dancehall Lyrics	PhD
Nadine Barnett	SOE	CARICOM'S Mandate for the Enhancement of Spanish at the Primary Level: An Analysis of Policy and Implementation in Jamaica	PhD Pending Corrections)
Amina Blackwood-Meeks	ICS	The Oral Tradition: Displacement, Adjustment, Replacement – Storytelling as a Tool for Wholistic Development	PhD
Trecel Messam-Johnson	Lang. Linguistics & Philosophy	Attrition of a Creole: The Syntactic Effects of the 12 Acquisition of Papiamentu on Jamaican Creole	PhD
Joan Spencer-Ernandez	SOE	Validation of the Grade 3 Caribbean Reading Standards Achievement Test (CRSAT) as a Measure of Reading Achievement	PhD
Nicole Plummer	History & Archaeology	The Jamaican Sugar Planting Interest: An Examination into Agrarian Entrepreneurship and Business Culture, 1655–1807	PhD
Phylis Drummond-Hemmings	SOE	Reliability and Validity of Student Assessment in a Performing Arts Institution”	MPhil
Bertram Gayle	Lang. Linguistics & Philosophy	Selected Features of Konchi Sain Morphology and Syntax	MPhil

The Office of Graduate Studies and Research, impressed by the above throughput rate of the Department of Language, Linguistics and Philosophy, awarded the “Outstanding Performance in the Development of Research Students Award” to the Department on May 4, 2017, at the ceremony called “Evening of Excellence.” Three students from the Faculty were also honored at the “Evening of Excellence: Ms Kadian Walters and Mr Andre Bernard received awards for excellence in research while Ms Sharon Gardner received the “Most Outstanding Thesis Award.”

Finally, also under the auspices of the Deputy Dean for graduate matters, the subcommittee for quality assurance and control vetted and secured approval for the following: a revised Education programme, the MEd in Curriculum and Instruction; the Master of Arts in Literatures in English, which was not offered during the academic year in review because it was way below the minimum of thirty-five (35) credits stipulated for second degree programmes; and eight (8) graduate courses from different Departments. With the Master of Arts in Literatures in English programme reset and approved for implementation in 2017/18, the Faculty as a whole has finally fully complied with the credit requirements for all of its second degree programme offerings.

## **INNOVATION, RESEARCH AND PUBLICATION**

Through the efforts of the various Departments, including the Faculty Office, the existing enabling environment for innovation, research and publication was strengthened. The School of Education, in line with current international trends to promote research and access to research findings, had to put online the *Caribbean Journal of Education* and the *Journal of Education and Development in the Caribbean*. While primarily promoting research and access to research findings, this innovative effort will further enhance the image and visibility of the School of Education globally.

During the 2016/17 academic year, as it has indeed been in the recent past, several colleagues secured either the “New Initiative Grant” sponsored by the Office of the Mona Campus Principal, or the Mona Campus

“Research Fellowship,” to undertake various research projects. Funds were also secured externally by individuals and Departments for research initiatives with significant implications for national development. In 2015 the Department of History and Archaeology, with external funding from a financial institution called *Jamaica National Bank*, began the “Jamaica National Parish Histories of Jamaica.” The goal of this project is to provide updated histories of the fourteen (14) parishes in Jamaica. During the year under review, the histories of the parishes of St. Thomas and Westmoreland were updated and made available online for public consumption at this address: <http://www.jnfdoundation.com/parishhistoriesofja>.

Throughout the academic year the Faculty, via the various Departments, was kept agog with public lectures, distinguished lectures, memorial lectures, seminars and conferences. The following is a very short list of these activities which attest to the ongoing efforts aimed at sustaining the existing enabling environment for innovation, research and publication.

#### **CONFERENCES, SEMINARS AND PUBLIC LECTURES DURING THE YEAR IN REVIEW 2016/17**

- **School of Education:** 3rd International Conference on TVET in the Caribbean; 2nd Mixed Methods International Research Association Regional Conference in the Caribbean
- **Institute of Caribbean Studies:** Global Reggae Conference 2017 Inaugural Stuart Hall Conference
- **Language Linguistics and Philosophy:** “Bible Translation in Colonial and Postcolonial Contexts” (A public lecture by Susanne Muhleisen of the Univ. of Bayreuth, Germany)
- **Caribbean Institute of Media and Communication:** 7th Annual CARIMAC Aggrey Brown Distinguished Lecture (“What these Eyes have Seen: Reflections on Key Issues in Journalism and Public Relations” by Michael Jarrett)
- **History and Archaeology:** Annual Elsa Goveia Memorial Lecture (“Listening in on 17th Century Jamaica” by Laurent Dubois of Duke Univ., United States) Inaugural Professorial Lecture (“History without Historians” by James Robertson)

- **Library and Information Studies** – 2nd Daphne Douglas Distinguished Lecture (“Impacting Development: The Genesis of the Transformation of the Jamaica Library Service” by Karen Barton)The International Association of School Librarianship Regional Conference
- **Literatures in English** – 10th Edward Baugh Distinguished Lecture (“Dramatic Contests and Colonial Contexts on the Indian Stage” by Nandi Bhatia of Western Univ., London-Ontario, Canada)
- **Modern Languages and Literatures** – Inaugural Distinguished Lecture (“Literature and Activism, Literature as Activism: Case Studies from Caribbean Women’s Writing in French” by Elizabeth Wilson)
- **Faculty Office** – 2nd FHE Distinguished Lecture (“Globalization from Within: Confronting ‘Technopoly’, Digital Literacies and our Robotic Futures” by Hopeton Dunn)

One other outcome of the robust research culture in the Faculty was demonstrated through the quality and quantity of peer reviewed journal articles, book chapters, and books published during the year in review by members of the academic staff. Due to space constraint, however, only the books have been listed below.

### BOOK PUBLICATIONS IN 2016/17

- Robinson, L., Schulz, J. & **Dunn, H.** (eds.). *Digital Empowerment: Opportunities and Challenges of Inclusion in Latin America and the Caribbean*, London: Emerald Publishers, 2016
- Hogarth, C. *Dewdrop*, Kingston: Arawak Publications, 2016
- Tomlinson, L. *African Jamaican Aesthetic: Cultural Retention and Transformation Across Borders*, Netherlands: Brill, 2017
- Bewaji, J. *The Rule of Law and Governance in Indigenous Yoruba Society: A Study in African Philosophy of Law*, USA: Lexington Books, 2016
- **Farquharson, J.** & Migge, B. (eds). *Pidgins and Creoles: Critical Concepts in Linguistics* (4 volumes), London: Routledge, 2017
- Michael, T. & **Nangwaya, A.** (eds). *Why not the Poor Rise Up?:*

*Organizing the Twenty-First Century Resistance*, California-USA: AK Press, 2017 (E-Book)

### **MONA CAMPUS PRINCIPAL'S "RESEARCH DAYS" AWARDS IN RECOGNITION OF EXCELLENCE IN THE FACULTY**

- Dr. Saran Stewart – *Best Research Publication (Article Category) Most Outstanding Research Activity*
- Dr. Paulette Stewart – *Best Research Publication (Article Category)*
- Dr. Disraeli Hutton – *Best Research Publication (Article Category)*
- Dr. Therese Ferguson – *Research Project Attracting the Most Funds*
- Professor Paulette Ramsay – *Best Research Publication (Book Category)*
- Professor Stafford Griffith – *Best Research Publication (Book Category)*

### **OUTREACH ACTIVITIES**

With a view to promoting the image of the Mona Campus, as well as contributing to social harmony and stability within Jamaica and the wider Caribbean, several outreach activities were undertaken by the Departments. The following is a select list of highly impactful outreach initiatives. The Department of History and Archaeology, in collaboration with the Jamaican Ministry of Culture, Gender, Entertainment and Sport, completed a project called "Jamaica Time Capsule: A People's History of Jamaica." Professor Mathew Smith, who directed the project with support from members of the Social History Project in the Department, formally presented it to the government of Jamaica in January 2017. A documentary film on the findings of this project has been commissioned by the government for production and public viewing when it inaugurates "Jamaica 55 Celebrations."

With a view to helping grade 9 students develop problem-solving skills the School of Education organized a "Grade 9 Mathematics Solving Competition" which attracted forty-two secondary schools across Jamaica. The Departments of Literatures in English, History and Archaeology, and the Caribbean Institute of Media and Communication organized

workshops to assist students preparing for the Caribbean Advanced Proficiency Examinations (CAPE). “Modern Languages and Literatures Day,” an initiative designed to promote the study of modern languages among secondary school students, was organized by the Department of Modern Languages and Literatures. It attracted an impressive audience of about 350 students from thirty-five high schools. However, aside from these events, individual lecturers with various professional and scholastic capabilities were invited to assist and/or advise the following public institutions, among many others: Caribbean Examination Council; Jamaica National Commission for UNESCO; Entertainment Advisory Board, Ministry of Culture, Gender, Entertainment and Sport; and the National Council on Education in Jamaica.

Under an agreement with the management of the Gleaner Company, producers of the *Sunday Gleaner* newspaper in Jamaica, the Faculty commissioned the publication of seven newspaper articles written by its academic staff members and former students to address and reaffirm the relevance of the humanities-based disciplines within the context of globalization. This effort was coordinated by Professor Hopeton Dunn and Dr Ingrid McLaren, Vice Dean for Marketing and Outreach. Additionally, under the auspices of the latter, the “FHE Open Day and Arts Festival” was held. The aim of this activity, like others earlier mentioned, was to advertise the Faculty and its offerings to attendees in order to increase student enrollment.

## **INTERNATIONAL COLLABORATIONS AND PARTNERSHIPS**

While upholding and nourishing existing international partnerships and collaborations, the Faculty also sought for new relationships. This is because these relationships and the engagements they engender, as the few examples given will show, had proven beneficial to the Faculty in its quest to expand and enrich the various facets of the learning experience. The Department of Modern Languages and Literatures was the beneficiary of a memorandum of understanding between the International Students Office of the Mona Campus and the University of Guantanamo in Cuba. Thus in September, 2016, three lecturers from the latter participated

in the “Spanish Conversation Classes” for students in the Department of Modern Languages and Literatures. The President of the Valdosta State University in the United States, along with Professor Raynaldo L. Martinez (Jr.) from the same university who had just concluded a year of sabbatical leave as a visiting fellow in the School of Education, paid a courtesy call on the Principal and Pro Vice-Chancellor of the Mona Campus, Professor Archibald McDonald, to recommit to an existing memorandum of understanding between the two institutions. That memorandum is aimed at promoting academic programme development as well as facilitating staff and student exchanges between the two institutions. Another existing memorandum of understanding was reviewed and strengthened when the Indian High Commissioner to Jamaica paid a courtesy call on Professor McDonald. Among other benefits to accrue from this renewed memorandum is the appointment of another scholar of Indology and Gandhian Studies to replace Professor Rakish Mishra whose two-year appointment in the Department of Language, Linguistics and Philosophy came to end on July 31, 2017. These collaborations and partnerships, combined with other activities chronicled in this report, have strengthened our mission “To create knowledge, foster innovation and advance education for the progressive transformation of Caribbean peoples.”

## CARIBBEAN INSTITUTE OF MEDIA AND COMMUNICATION (CARIMAC)



Professor Hopeton S. Dunn, PhD *City, Univ. of Lond.*  
Director

### **INTRODUCTION**

The academic year 2016/2017 saw further enrichment and progress to the wide range of academic, professional and public-interest activities which enhanced the profile of the Institute and the University in general.

### **INSTITUTIONAL REFORM**

With the development of an extensive Strategic Plan and our focus on institutional reform, CARIMAC was able to gain approval for the transition of the Caribbean Institute of Media and Communication to become the restructured Caribbean School of Media and Communication (CARIMAC). With this important milestone accomplished, CARIMAC's journey, which started in 1974, will continue towards further improving teaching, learning and research outcomes.

## WORK OF THE DEPARTMENT

We organized several public and student-involvement events during the year.

### UWI Research Days

CARIMAC participated in the Campus 2017 Research Days held February 1–3, 2017. The School hosted visiting high school students and operated a booth in the Research Village focusing on Media and Entrepreneurship.

### Ph.D. Seminar – Alpha Obika and Nadine McLeod

In March, CARIMAC hosted the Ph.D. Communication Studies Graduate Seminar presentation for Mr. Alpha Obika. He presented on the topic, “*Communication Policy Reforms in the Caribbean: Media Governance Strategies in Jamaica and Trinidad and Tobago*”. The School also hosted a similar event in April for Nadine McLeod. She presented on “*Investigating the Comprehension of Radio News among Monolingual Creole Speakers*”.

### CARIMAC Kickstart Careers

During March, CARIMAC, with a team of its Integrated Marketing Communication (IMC) third year students hosted the Kickstart Careers Seminar series, the first of a two-pronged career-readiness programme for third year CARIMAC students who are about to enter the world of work. This was done in association with UWI’s Placement and Career Services at Mona. This annual career enhancement and networking experience provides our third year students with opportunities to learn job-critical skills from industry leaders, gain useful perspectives on professional self-presentation for today’s marketplace, and practice soft skills considered valuable in corporate circles. Sessions included portfolio preparation and presentation, curriculum vitae and resume writing, formal dining, attire and self-presentation. The second related activity was a Job Fair, bringing together students and prospective employers. This took place on April 7.

### **CAPE Communication Studies Revision Seminars**

As part of its public outreach programme, CARIMAC hosted the 2nd Annual Cape Communication Studies Revision Seminar series for three Saturdays – April 22, 29 and May 6 from 9:00 a.m. to 3:00 p.m. at the Annex II Building. The event was attended by hundreds of students from all major Corporate Area and some rural high schools. Teaching was led by CARIMAC staff and outstanding former students who now teach in the high school system. Topics covered included, ‘*Acing the Long Paper*’ and ‘*Gaining Maximum Marks for all Modules*’. Overall, the feedback from students was excellent.

### **CARIMAC OPEN WEEK**

During the first two weeks of April, CARIMAC observed its annual CARIMAC Open Week Activities, which included the following:

#### **CARIMAC Student Network (CSN7)**

CSN7 is a new on-line electronic media channel which was launched in April 2015 by a group of final year students from the IMC, Journalism and DMP programmes. This year’s event called “*The Best of CSN7*”, was held on April 10 and saw several news items and features by the students being shown to a public audience. The four main presenters who were selected to showcase their reports were: Evan Dixon, Omar Samuels, Chester Jones and Brittany Brown.

#### **WJC Annual CARIMAC Lecture**

The UWI Mona WJC Annual Public Lecture took place on April 11. The topic, “*Get it together: The Role of Media in Caribbean Integration*” was presented by Trinidad and Tobago-based media owner and retired businessman, Mr. Ken Gordon. As is customary, the Director of CARIMAC provided a response to the lecture. The event, attended by students, staff and members of the Western Jamaica community, was well received.

### **CARIMAC Distinguished Lecture**

The 7th Annual CARIMAC Aggrey Brown Distinguished Lecture was held on April 12 under the theme, '*What These Eyes Have Seen: Reflections on Key Issues in Journalism and Public Relations*'. This lecture was presented by Mr. Michael 'Mike' Jarrett, Author, Journalist and Public Relations Strategist. The event was attended by a large number of members of the media and communication fraternity and students.

### **Top Radio Documentaries**

On Thursday, April 13, the top two documentaries produced by the Journalism students were presented to an audience of media practitioners, business people and students. The documentaries entitled, '*Pandemonium*' and '*Striking Out*' were well received and the students were commended for their efforts.

### **Launch of CARIMAC TIMES 2017**

This year's edition of the annual student publication, *CARIMAC TIMES*, was launched in a special ceremony on the School's lawns on April 13. The event was organized by a group of final-year Journalism students. The Guest Speaker was Hon. Floyd Green, Minister of State in the Ministry of Education, Youth and Information. The event was followed by the end of year social which saw staff, first and second year students celebrating their finalizing colleagues.

### **Part-time Staff Luncheon**

CARIMAC's Director, Professor Hopeton Dunn, hosted the first ever part-time staff luncheon on May 18 at the Mona Visitors Lodge. Professor Dunn brought the over 70 (present and former) adjunct lecturers up to date on the institution's growth and development, especially regarding plans for the transition from the Caribbean Institute of Media and Communication to the Caribbean School of Media and Communication. The event was enthusiastically received and valued feedback provided to assist the School going forward.

### **Special Guest Visits**

Representatives from the Caribbean Development Bank (CDB) visited the Institute during March with a view of discussing student internships for the Community Disaster Risk Reduction Fund (CDRRF), a multi-donor trust fund established by CDB.

A representative from Lincoln University in the US visited in March regarding collaborative relations between the two Communications Departments.

Professor Julian Henriques, Head of the Communications Department of Goldsmiths University of London visited CARIMAC for discussions with the Director on research and institutional collaboration.

### **Diploma Programme**

Review of the long standing CARIMAC Diploma Programme was conducted and it was decided that it would be offered at the UWI Mona Western Jamaica Campus instead of at Mona as an introduction to the Journalism programme at that Campus, starting in January 2018.

### **OTHER SPECIAL EVENTS**

#### **Entrepreneurship & Innovation Seminar**

On Saturday, January 21, twenty (20) CARIMAC students were sponsored to attend a seminar on *Entrepreneurship and Innovation* hosted by the Jamaica Chamber of Commerce at the Courtleigh Auditorium. The lead presenter was Mr. Thione Niang, Social Entrepreneur, Youth Advocate, Motivational Speaker and former Youth Advisor to US President Barrack Obama.

#### **CDB Research Project**

Professor Hopeton Dunn visited St. Lucia (in February & March) to participate in meetings and interviews related to the Caribbean Development Bank's (CDB) Special Project on Caribbean Productivity and Growth

Agenda. The study is intended to assist the Bank and its borrowing member countries “to reformulate growth strategies by providing practical recommendations to governments and other key stakeholders”. Professor Dunn’s part of the study was on Information and Communications Technology (ICT) and Caribbean Development, to include the development role of Micro, Small and Medium-sized Enterprises (MSMEs). The overall report with five other thematic areas was released on the CDB website and will be further published by the Bank.

### **Participation in the Investigative Journalism Workshop at Jewel Paradise Cove**

The National Integrity Action (NIA) hosted a 3-day seminar on Investigative Journalism held at Jewel Paradise Cove, March 17–19. Professor Hopeton Dunn attended the function and participated in the opening workshop. Miss Fae Ellington, Board Member of the National Integrity Action (NIA) served as an assessor for some group work.

### **Participation in the UTECH Conference**

Administrative Co-ordinator for CARIMAC’s Graduate Programmes, Ms Nathanee Martin, represented CARIMAC at a UTECH Conference held at Jamaica Conference Centre on March 21 on the theme, “Human Resources Management and Information Technology”. Her presentation, as a panel speaker, was on “*Use of Cloud Technology in HR and Personnel Recruitment*”. It was well received.

### **Faculty of Humanities & Education (FHE) Distinguished Lecture**

CARIMAC’s Director, Professor Dunn, presented the second Annual FHE Distinguished Lecture on Thursday, April 6 at the Neville Hall Lecture Theatre. The topic of the lecture was “Globalization from Within: Confronting ‘Technopoly,’ Digital Literacies and our Robotic Futures.” The lecture was well-received by the capacity audience.

### **Participation in UTECH's 3rd Annual Final Year Communication Arts and Technology Students Exhibition and Panel Discussion**

CARIMAC Lecturer, Dr Livingston White, participated in a panel discussion on “Media Education for Justice, Development and Social Change” held in observance of World Press Freedom Day’ May 3, 2017. Mr. Gary Allen, Managing Director of RJR Gleaner Communications Group, Professor Trevor Munroe, Executive Director of National Integrity Action and Mr. Richard T. Griffiths, Former Vice President and Senior Editorial Director of CNN, were the other members of the panel.

### **Participation in the Digital Africa Conference 2017 in Nigeria**

Professor Dunn was one of the invited keynote speakers at the Digital African Conference 2017 held in Abuja, Nigeria, June 6–8, 2017. He spoke on the topic, “*Broadband Access, Indigenous Innovation and other Challenges of the Fourth Industrial Revolution*”. Prof Dunn also visited the campus of the University of Lagos (UNILAG) in Nigeria at the invitation of the UNILAG Vice Chancellor. He was given a tour of the institution and was hosted at a special reception. UNILAG recently signed an MOA with the UWI for collaboration in the joint establishment of an Institute of African and Diaspora Studies.

## **PARTNERSHIPS/COLLABORATIONS**

### **MOU between UWI and Cricket West Indies (CWI)**

On April 18, The University of the West Indies signed an MOU with Cricket West Indies to provide student scholarships and support for new courses at CARIMAC. The two courses are “Media Culture and Sports” and “Cricket Commentary and Analytics in Sports Journalism”. The scholarships will be named in honour of five stalwarts of West Indies Cricket Coverage: Tony Becca, Joseph ‘Reds’ Perreira, Headley ‘Delmar’ Samuels, the late Tony Cozier and the late Roy Lawrence, all of whom made significant contributions to the sport of Cricket through journalism, commentary, broadcast media and photography. CARIMAC’s Director,

Professor Dunn, represented the Campus at the news conference and signing ceremony.

### **Partnership Agreement Between National Integrity Action and the Caribbean Institute Of Media and Communication**

On May 22, 2017, CARIMAC entered into an agreement with the National Integrity Action (NIA) which led to the staging of the CARIMAC/NIA Weekend Journalism Workshops on Investigative Journalism on June 17, 24, and 25. The agreement also involved the staging of the CARIMAC/NIA Boot Camp on Investigative Journalism on June 29, 30 and July 1. All the planned events were successfully accomplished.

### **PUBLICATIONS**

- **Campbell, S.**, (2017) “Out of many, one love?” In *Tapestries of Culture and Sexuality in the Caribbean*. Ed. by Karen Carpenter, Palgrave, pp. 115–141.
- Robinson, L; Schulz, J and **Dunn, H.**, (2016) “*Digital Empowerment: Opportunities and Challenges of Inclusion in Latin America and the Caribbean*”. In *Communication and Information Technologies*. Emerald, pp. xxi – xxii.
- **Dunn, H.** and Thomas M. (2016) – “*Women in Caribbean News Media: Opportunities and Challenges for Inclusion*”. In *Communication and Information Technologies: Digital Empowerment - Opportunities and Challenges of Inclusion in Latin America and the Caribbean*, Emerald, pp 157–178.
- Morris, F. and **Henderson, A.** (2016) – “*ICTs and Empowerment of Children with Disabilities: A Jamaican Case Study*”. In *Communication and Information Technologies: Digital Empowerment – Opportunities and Challenges of Inclusion in Latin America and the Caribbean*, Emerald, London. pp. 25–39.

## PAPERS PRESENTED AT ACADEMIC CONFERENCES AND SEMINARS

- **Dunn, H. S.**, (2017) “*Broadband Access, Indigenous Innovation and other Challenges of the Fourth Industrial Revolution*”, Digital African Conference, Abuja, Nigeria, June 2017
- **White, L., Rowe, Y and Barnes, C.** (2017). “*Switching Channels – emerging alternatives to public service broadcasting in Jamaica*”, International Association for Media and Communication Research Conference (IAMCR), Cartagena, Columbia, July 16–20, 2017,
- **White, L.**, Douglas, L., Yashphe, S., Alie, K. (2017). *Applying Social Marketing to reducing consumer demand for high-value wildlife – experience from three campaigns* presented to International Congress for Conservation Biology Conference in Cartagena, Colombia, July 23–27, 2017.

## PUBLIC SERVICE

### Hopeton Dunn

- Chief Judge, Media Excellence Award Panel, Jamaica Broilers Fair Play Awards.
- Chairman, International Jury for Stuart Hall Prize offered by the International Association for Media and Communication Research (IAMCR).
- Member of the General Council and Chair of the Graduate Studies and Research Committee of the International University of the Caribbean (IUC).
- Member, National Ecumenical Committee for the Observance of Emancipation from Slavery, Jamaica.
- Lay Magistrate and Justice of the Peace (JP) for Kingston.

### Livingston White

- Member of the Board of Directors of the Ad Council Jamaica
- Member of Mixed Methods International Research Association (MMIRA)

## Caribbean Institute of Media and Communication

- Founding member of International Social Marketing Association (ISMA)
- Member of the International Association of Media and Communication Research (IAMCR)
- Member of the International Communication Association (ICA), USA
- Member of the Editorial Board – *Social Marketing Quarterly*
- Member (founding) of the Editorial Board – *Journal of Human Communication Studies in the Caribbean*
- Member of the Transport Authority Communication working group (2016)

### **Corinne Barnes**

- Member of the Mentorship Committee of the Eastwood Park Road New Testament Church of God
- Chairperson of the Media Committee and PR Officer of the Eastwood Park Road New Testament Church of God
- Member of the International Association of Media and Communication Research (IAMCR)
- Reviewer for the *Journal of Human Communication in the Caribbean*

### **David Soutar**

- Assistant Chief Examiner (Digital Media Production) - Caribbean Examination Council
- Member of the Planning Committee for Developing the Caribbean Open Data Conference

### **Fae Ellington**

- Board Director, St. Hugh's High School for Girls
- Board Member, National Integrity Action (NIA)
- Member, Access to Information Tribunal
- Patron of the Clarendon 4H Club

## **INCOME GENERATION**

During the academic year 2016/2017, CARIMAC maintained steps taken to help diversify UWI Mona's income streams. CARIMAC continued offering its two self-financing undergraduate degrees in Film Production and Animation, in addition to its other undergraduate degrees in Integrated Marketing Communication (IMC), Digital Media Production (DMP) and Journalism. At the graduate level, CARIMAC continued to offer self-financing Master degrees in Communication Studies, Communication for Social and Behaviour Change, and Integrated Marketing Communication. The Diploma Programme being planned to start at the UWI Mona Western Jamaica Campus in January 2018 is also a self-financing programme. CARIMAC offered seven (7) income generating short courses during the Summer break. The following short courses were offered between June 5 and July 22, 2017: 1) Writing for Public Relations, 2) Successful Event Planning, 3) Graphic Design (Basic), 4) Digital Photography, 5) Public Speaking, 6) Creating and Editing Amazing Videos and 7) Creating Winning Social Media Strategies. In addition, funds continue to be raised for research projects with relevant international research partners such as the International Development Research Centre (IDRC) and the Canadian High Commission in Jamaica.

## **STAFF MOVEMENT**

Miss Danille Stewart and Miss Nathanee Martin, Senior Administrative Assistants were appointed in the year under review. Mrs. Paulina Plunkett-Gray was appointed as Accounting Officer. Dr. Anthony Frampton, Lecturer, Film Programme, who served the Department for the academic year, resigned.

After serving the Institute for 37 years, Mr. Mel Blake, Senior Engineer, retired effective August 1, 2017.

## **APPRECIATION**

CARIMAC thanks the Dean, Faculty of Humanities and Education, Professor Waibinte Wariboko and all FHE Heads and Staff for their assistance and support during the year. We also express appreciation to all our partners and associates for on-going collaboration and to the staff and students of CARIMAC for their active and dedicated contributions.

## **CONCLUSION**

CARIMAC has made important strides during the year, building on past achievements and advancing towards clearly defined target. We will continue to strive to achieve our goals as we look forward to facilitating our students as they seek to meet and exceed their goals in academic and personal development in the forthcoming academic year.

## DEPARTMENT OF HISTORY AND ARCHAEOLOGY



**Professor Matthew Smith**, B.A., MSc (*UWI*), Ph.D. (*Florida*)  
Head of Department

### INTRODUCTION

Academic Year 2016/17 was a challenging and also successful one for the Department of History and Archaeology (DoHA). The challenges stemmed from the continued decline in enrolment in History and Heritage Studies courses at the undergraduate and graduate level. This is a reflection of a global problem in the humanities of which the UWI and the Faculty of Humanities and Education (FHE) have not been immune. The department rose to the challenge with an aggressive promotions campaign for its courses. This included conventional methods of old-fashioned word of mouth and posters/fliers posted to campus billboards. We also added a new tack to this with more alluring fliers designed to attract interest among students. These fliers were posted on noticeboards around the campus and not just in the FHE. The other and more heavily used method was done through social media. The department expanded its social media footprint to reach to a more digitally minded student

body with mixed results. It is clear that creative strategies will need to be deployed continuously in order to generate interest in what the department offers.

The successes of the academic year were notable. Faculty in the department were actively engaged in research projects and departmental activities. The department as a whole considered the challenges an opportunity for some retrenchment and critical reflections on how the department conducts its main business of teaching. Most important the department faced these challenges and addressed enduring questions of the relevance of the discipline of History head on by enhancing its profile with several new projects and events: public lectures, collaborations with colleagues in other departments, and more engagements with students. These efforts are part of a larger project of restructuring the department along the lines of its five year strategic plan which is developed to meet the goals of the new focus of the UWI. In this regard we made significant achievements which are detailed in what follows.

## **ACADEMIC MATTERS**

### **Teaching**

#### ***Undergraduate***

The DoHA put on 25 courses in Semester I and 24 courses in Semester II. Two courses were cancelled because of extremely low enrolment. These courses were the Level III course, A History of Apartheid, and the Level I course Introduction to the Asian World. It should be noted that both these courses were once highly popular even under the instruction of the same faculty members who teach them now. Appendix 1 shows the break down in numbers across the courses. As this data reveals, class enrolment was indeed quite low with fewer courses than previously having 20 students or more.

History courses continue to attract the attention of non-Majors many of who performed very well this year.

### **Graduate**

Graduate enrolment was also reduced this past academic year. The total number of students in the program was 3: 1 student in M.A. History, 1 student in M.A. Heritage Studies, and 1 PhD student. The department's response to this was to use it as an opportunity to constructively focus on the total number of students in the program and assist them in getting through the program smoothly.

To this end, the Department introduced mandatory graduate workshops for students who had not yet completed their research papers/theses. Two workshops each were held in Semester 1, with two more in Semester two. These workshops are designed to assist students through all the stages of the preparation of their research papers. They were facilitated by faculty members and librarians and focused on the following themes: 1) Proposal Writing 2) Sources for History and Heritage Studies 3) Research and Organization for History and Heritage Studies 4) Writing for History and Heritage Studies.

The workshops were very successful. They ran for 2 hours each with the last 30 minutes being devoted to a hands-on activity supervised by the co-facilitators. The aim is to give students the research and writing tools to perform better at the graduate level. Each workshop was hosted at a different site and students were expected to bring their laptops. Student feedback has been very positive. Several have commented that the workshops built their confidence and gave them support to accelerate their projects.

Four graduate students graduated from the program in the academic year. They are as follows.

### **Graduate Record of Completion – AY 2016–2017**

Laura-Lee Jones	MA Heritage Studies	November 7, 2016
Myran Garnett	MA Heritage Studies	January 17, 2017
April Douglas	MA Heritage Studies	January 23, 2017
Shantal Cover	MA Heritage Studies	April 3, 2017

## EVENTS, OUTREACH, ACTIVITIES

### Events

The Department participated in several public events this past year that were either hosted by the DoHA or in collaboration with other departments/institutions.

**1. The Annual Elsa Goveia Memorial Lecture:** The 2017 lecture was delivered on March 16th by esteemed Professor of History and Romance Studies at Duke University, Laurent Dubois, and was titled, “Listening in on Seventeenth Century Jamaica.” The lecture was held for the first time in the Regional Headquarters of the UWI, a refreshing change from its long-standing home of the Philip Sherlock Center for the Performing Arts. Professor Dubois’ lecture was extremely well received drawing positive comments and feedback from the audience.

In addition to the lecture, the department co-hosted with the Jamaica Music Museum (JAMM) a musical workshop on March 17th that complemented Professor Dubois’ lecture. The subject of Professor Dubois’ lecture was 17th century notations of Jamaican music recorded in collector Hans Sloane’s book on the island, *Voyage to the Islands*. This material was interpreted live in Nyabinghi fashion by Earl ‘Chinna’ Smith and the Inna De Yard collective with special guests. The event was very successful and was filmed by UWI-TV. The film recording has been edited and will be made available on the website [musicalpassage.org](http://musicalpassage.org), as part of the joint project between the DoHA, the JAMM, and Duke University.

**2. Screening & Panel discussion of film *Deported*. March 17, 2017:** The department collaborated with the Department of Literatures in English in hosting one of the evenings of “March is Movie Month.” The film presented was a Haitian documentary film, “*Deported*” on deported persons from Haiti. The film screening was followed by a panel discussion with Professor Matthew Smith, guest lecturer Professor Laurent Dubois, and members of the Jamaican Association of Deported Persons. The event was very successful and drew attention to a Caribbean phenomenon.

**3. NMAAHC Opening. September 24, 2016.** The live streaming of the opening of the National Museum of African American History and Culture (NMAAHC) in Washington D.C. The Department in collaboration with the FHE, the Vice Chancellor's Office and the US Embassy hosted a streaming of the opening of this historic museum in the Neville Hall Lecture Theatre.

**4. UWI and the 1960s: CLR James Film. January 27, 2017.** The ongoing collaboration between the DoHA and the UWI-Museum on the occasional series, "UWI and the 1960s" continued this academic year with the screening of the documentary film, "Every Cook Can Govern: The life, impact and works of CLR James." The event drew a large cross-section of students, faculty, and members of the general public. Guest speaker at the event was Professor Robert A. Hill, Literary Executor of the CLR James estate. The UWI and the 1960s series will continue in the next academic year and lead to a conference on Walter Rodney to be held in October 2018.

**5. UWI Research Days. February 1–3, 2017.** The DoHA participated significantly in the annual Research Days events. The theme of the department's presentation was Spanish Town heritage, and a very attractive depiction of the Spanish Town square was mounted. A documentary film on Spanish Town was screened. The film was produced by Ms. Charlotte Maus, a graduate of the M.A. Heritage Studies program and assistant curator at the National Museum of Jamaica, and Mr. Norman Malcolm, graduate student in the department and also an employee of the Institute of Jamaica Museums division. There was also an archaeological dig and several artefacts on display. In addition to this, the department's annual Nyammings Jamaica stall was put on in the FHE courtyard. Students from the department also performed in the lunch hour concert.

**6. Professor James Robertson's Inaugural. April 7, 2017.** Professor James Robertson was elevated to his position of Professor of History in the summer of 2016. Professor Robertson delivered his Inaugural lecture, "History without Historians" to a packed Neville Hall Lecture Theatre.

**7. Handing over of DCALAB. May 9, 2017.** With the UWI Main Library, the Department co-hosted the handing over of a full set of the

six volumes of the Oxford University Press publication, *Dictionary of Caribbean and African Latin American Biography* to the UWI by project editor, Professor Emeritus Franklin Knight (Johns Hopkins University). Several members of the department contributed short essays to this important publication.

**8. Lecture on Granville Sharp & the Zong Massacre. May 10, 2017.**

Professor Michelle Faubert, University of Manitoba, delivered a lecture on her important finding of a new document related to abolitionist Granville Sharp and his response to the Zong Massacre. The lecture was hosted jointly between the Department of Literatures in English, the DoHA, and the UWI Main Library.

**9. Archaeology – Field School. May –June 2017.** The annual Field School in Archaeology for students in *HIST2801: Research Methods and Techniques in Archaeology* was conducted on campus for the second consecutive year. Field archaeological excavation was also conducted in an area between the Chapel and Mona Visitors Lodge which was the site of the sugar factory for the estate. Some eight students were involved in the Field School under the guidance of Dr. Zachary Beier, lecturer in Archaeology.

**10. Archaeology Lab.** The archaeology lab finally relocated to its new home at West Road in summer 2017. Much work has been done in preparing for this move and it has taken the department several years to make it a reality. There is a lot more to be done but with much appreciated financial support from Dean Wariboko of the Faculty of Humanities and Education, and the Principal's office, the move was finalized in July 2017, with a launch expected later in the year. The result is a thoroughly updated lab and work area for students and visiting faculty.

**11. Archaeological collaboration with UF. November 2016.** The department collaborated with Dr. Susan de Franc, archaeologist at the University of Florida, on obtaining samples of guinea pig remains from Green Castle which were part of the James Lee artefact collection in the Archaeology department. The samples were quite rare and 3D images taken of them by Dr. de Franc for a project she is working on. All

publications/presentations relative to that project will feature a special acknowledgement to the DoHA. This type of collaboration is a new venture for archaeology at Mona and one that we hope will continue as it showcases the strengths of our collections.

**12. Website and Social Media Revamp. Beginning August 2016.** The department put much effort in revitalizing its internet and social media profile this past year. With the creative assistance of temporary staff member, Ms. Ravenne Reid, and staff member, Mrs. Rudy-Ann Dennis Copeland, there was much more activity on Facebook, Instagram, Twitter, and Youtube. The department also purchased a smart phone for social media purposes. In addition, there were several new features on the website. One such was the feature, “In the Spotlight,” which was intended to introduce lecturers to students in innovative ways by interviewing them and learning more about their interests and personalities. The feature on Dr. Swithin Wilmot drew great interest. This series will be featured more actively in the coming academic year. Similarly, some lecturers were asked to write short 500 word essays on their courses in accessible prose. These essays were posted online. The success of these initiatives in reaching the student population appears to be negligible. However, the benefits for the department’s image are substantial. This strategy will be further developed in the coming year.

## **Outreach**

**1. History Teacher’s Workshop. January 26, 2017.** The DoHA continued its collaboration with the School of Education in hosting a History Teacher’s Workshop in January. The co-ordinators of the event were Dr. Aleric Josephs (DoHA) and Dr. Dian McCallum (S0E). Both the DoHA and the SOE have agreed that there will be a modification of the workshop’s activities and strategies in the next academic year so as to maximize its potential. Given the situation in History teaching in the secondary schools it is important that the 2 departments work together to make a stronger intervention particularly in the rural areas of the island. To this end a new program for the workshop will be drafted in 2017/18.

**2. Jamaica Day, Mona Commons Basic School. February 24, 2017.**

Students of the DoHA, undergraduate Mr. Desmond Saunders and graduate student, Ms. Karreene Morris, participated in the Jamaica Day celebrations at the Mona Commons Basic School. The department was invited to participate by Mona Social Services and was very happy to do so. The children were excited by the lively discussion on Jamaican history, activities, and competitions that our students organized.

**3. CAPE History Workshops. March 18 & 25.** The annual CAPE History workshops drew fewer students than in previous years. However, the participation was strong. In addition to the lectures presented by Faculty members, the DoHA also organized a session on study tips; one-on-one discussions between lecturers and curious students interested in the FHE and DoHA; and presentations and informal workshops run by two graduates of the department who have used their History degrees in fields outside of academia and teaching.

### **Activities**

**1. Staff/Postgrad Seminars.** The Department kept a regular weekly schedule with its Friday seminars in both semesters. There were five cross-campus seminars which included the History departments on all 3 campuses via Zoom connection. A highlight of these cross-campus presentations was Dr. Jonathan Dalby's presentation on the "Decline in History Numbers at Mona". The paper offered a useful overview and brought rich discussion with our colleagues at St. Augustine and Cave Hill on strategies to deal with the decline in numbers. The department invested in an HD laptop camera and high performance microphones to enhance the presentations. The DoHA expresses gratitude to Dean Wariboko for the updates and outfitting of the Graduate Conference Room (GCR) which has made the experience much more comfortable.

**2. Visiting Researchers.** In addition, there were several visiting academics who presented at the seminar and were attached to the department in the academic year. These include, Mr. Michael Becker (Duke University); Mr. Andrew Rutledge (University of Michigan); and Dr. Claudia Rahute (Frei University, Berlin).

**3. White Marl Project. October 2016.** The Department collaborated with members of the University of Leiden and the JNHT in a dig at White Marl, St. Catherine, the oldest Taino site in the island. The dig was highly successful and raised great interest by the Government of Jamaica. Archaeologist Dr. Zachary Beier led the department's participation in the dig with several students from the program. The department and the JNHT are applying for funding to do a more extensive dig of the site. The potential of this dig is very significant for Jamaica's history and heritage.

**4. Jamaica Time Capsule: A People's History of Jamaica.** Since 2013 the DoHA through its Social History Project (SHP) has been collaborating with the Ministry of Youth and Culture (now Ministry of Culture, Gender, Entertainment and Sport) on a Time Capsule of Jamaica's History and Heritage since independence. The project was commissioned by the Ministry and conceived and executed by members of the SHP under the direction of Professor Matthew J. Smith. The project has now been completed and is ready for handover to the government. Professor Smith presented on the project to Minister Grange. On January 23rd Professor Smith made a presentation on the Project to Cabinet at Jamaica House. The project received high commendation from Prime Minister Andrew Holness and various cabinet members. The Ministry has commissioned a documentary film to be made on the project which will be ready for wide circulation in time for the Jamaica 55 celebrations. The capsules are to be sealed by the Prime Minister at a ceremony on August 6, 2017.

**5. JN Foundation Parish Histories of Jamaica.** In 2015 the DoHA began an exciting Parish Histories project with Jamaica National. The goal of the project is to have thoroughly updated histories of all 14 parishes. The principal investigator, Dr. Jenny Jemmott, with research assistance from graduate students, Ms. Jeanette Corniffe and Ms. Karreene Morris, have completed three parish histories to date. The first of these – St. Thomas and Westmoreland, both written by Dr. Jemmott – have been made available online at <http://www.jnfoundation.com/parishhistoriesofja>. The project team is well advanced in the delivery of three more parish histories before the end of the calendar year.

**6. The History of the History Department at Mona.** This interactive digital humanities project was started by the department this academic year. It aims to harness the potential of digital media to raise wider public interest in Caribbean History. This will be done with multimedia web-based platforms that highlight aspects of the History of Caribbean history-teaching and research and the foundational role the department has played in this development. The first fruit of this project was a documentary on pioneering historian Elsa Goveia which was launched at the Memorial Lecture held in her honor on March 16, 2017. The short film titled, “Reflections,” has been made available free to the public on the DoHA’s social media platforms. It may be viewed here: <https://www.youtube.com/watch?v=ISyYGCDFGB0&t=15s> on the department’s YouTube page. Future profiles of the department’s pioneers and interactive platforms of departmental milestones are currently under development and will be publicly launched in the next academic year. This project involves the work of department faculty and student research assistants.

## **STAFF MATTERS**

### **Staff Changes**

- Dr. Jonathan Dalby retired from the UWI in July 2017. In addition, Dr. Swithin Wilmot and Dr. Jenny Jemmott and Professor Veront Satchell have retired but served on part-time contracts in Academic Year 2016/17. The department hosted a retirement function on June 8th to celebrate the many years of dedicated service provided by these four members of staff.
- Dr. Robert Sierakowski, lecturer in Latin American History, resigned from the UWI in February 2017 to take up a teaching position in New York. Dr. Sierakowski was an excellent colleague and teacher. He was always professional and well-liked by the students. A job posting will be advertised for Dr. Sierakowski’s position to be filled.
- Dr. Kathleen Monteith will take up one year’s sabbatical leave in Academic Year 2017/18.

- Dr. Aleric Josephs will be on one-semester leave to work on a monograph on Jamaican women's history. Dr. Josephs will retire at the end of the academic year.
- Dr. Zachary Beier successfully defended his PhD dissertation, "All the King's Men: Slavery and Soldiering at the Cabrits Garrison (1763–1854)", on February 24, 2017 at Syracuse University.
- Mr. Clive Grey joined the department in August 2016 as Archaeology Lab technician, replacing Mrs. Karen Spence who passed away in 2015. Mr. Gray has done impressively well in his tenure. Mr. Grey, took up an offer for a seven-week internship with The Digital Archaeological Archive of Comparative Slavery (DAACS) part of the Department of Archaeology at Monticello in Virginia for the period April 12–June 2 2017. Reports from Dr. Jillian Galle, director of DAACS, indicate that he excelled in his course of study passing his material culture test with "flying colors". DAACS extended his internship by one week. The program has resulted in an improvement in his skills and certification in advanced archaeological identification, dating and analysis, and material culture.
- Ms. Ravenne Reid replaced Mrs. Rudy-Ann Dennis-Copeland who went on maternity leave, August–January 2016/17. Ms. Reid proved a very welcome addition to the staff of the DoHA, introducing many new ideas for promotional activities of the department.

## PAPERS PRESENTED

- **Beier, Z. J. M.** "White Marl: Putting the Head on the Headless Colossus of Jamaican Archaeology" (13 pp.), Hayley L. Mickleburgh, Zachary J. M. Beier, Lesley Gail-Atkinson, Audene Brooks, Selvenious Walters, and Angus A. A. Mol, *27th Congress of the International Association for Caribbean Archaeology*, St. Croix, U.S. Virgin Islands, July 25, 2017.
- **Beier, Z. J. M.** "Patterns of Life and Labor at the Cabrits Garrison, Dominica (1763–1854)" (14 pp.), *27th Congress of the International Association for Caribbean Archaeology*, St. Croix, U.S. Virgin Islands, July 27, 2017.

- **Beier, Z. J. M.** “‘Negroe Huts’ and Caribbean Forts: Archaeology at the Cabrits Garrison Laborer Village, Dominica” (13 pp.), *15th Symposium of the Archaeological Society of Jamaica*, Kingston, March 10, 2017.
- **Beier, Z. J. M.** “Presenting Plantation Period Material Culture from the UWI Mona” (oral and powerpoint format), Zachary J. M. Beier and Clive Grey, *15th Symposium of the Archaeological Society of Jamaica*, Kingston, March 10, 2017.
- **Beier, Z. J. M.** “An Archaeology of Dancehall/Reggae: Garrison Life at Fort Rocky” (14 pp.), *5th Biennial Global Reggae Conference. Dancehall, Music and the City*. Kingston, Jamaica, February 10, 2017.
- **Cresser, J.**, Bailey, C., and Coore-Desai, C. “Youth Participation in Organised Sports and its Effect on Delinquency in Jamaica and Barbados”. *American Society of Criminology Annual Meeting*, New Orleans, November 2016; 26pp.
- **Dalby, J.** ‘Obeah in Jamaica since 1760: Criminalization, Representation, Prosecution.’ (Department of History and Archaeology Staff/Postgraduate Seminar, 9 December 2016).
- **Dalby, J.** ‘The Decline of History: UWI Mona in a Comparative and International Context.’ (Department of History and Archaeology Staff/Postgraduate Seminar, 7 April 2017).
- **Dalby, J.** ‘The Crisis in History Numbers: The View from UWI Mona.’ (ACH Conference, Tobago, 14 May 2017).
- **Monteith, K.** “British Free-Standing Firms in the West Indian Economy in the 19th and Early 20th Century”, at *The Corporate Atlantic Conference: Barbados as a Focal Point for Multinationals from the 17th C to the Present*, Centre for the Political Economies of International Commerce, University of Kent, in association with the Department of History and Philosophy, The UWI, Cave Hill, held at Codrington College, Barbados, 1–2 June 2017; 22pp.
- **Monteith, K.** “The Coffee Planters: Residency, Status, and Demographic Profile in Early 19th C Plantation Jamaica” at the 49th annual

conference of the *Association of Caribbean Historians*, Magdalena Grand Beach and Golf Resort, Tobago, 14–19 May, 2017; 31pp.

- **Monteith, K.** “The Coffee Planters: Residency, Status, and Demographic Profile in Early 19th C Plantation Jamaica” at the biennial conference of the *Australian Association of Caribbean Studies*, Australian National University, Canberra, Australia, 9–11 February 2017; 45pp.
- **Monteith, K.** The Coffee Planters: Residency, Status, and Demographic Profile in Early 19th C Plantation Jamaica” at *Department of History and Archaeology Staff/Graduate Seminar*, January, 2017; 45pp.
- **Robertson, J.** “Accessing the West Indian Archive: Ken Ingram’s Archival Cartography” 35th West Indian Literature Conference, Montego Bay, October 7, 2016, (10 pp.). Revised versions, ‘Making the West Indian Archive Accessible: Ken Ingram’s Archival Cartography’ to Research Staff, National Library of Jamaica, November 9, 2016, (24 pp.), and “Kenneth Ingram and the Challenge of Navigating the Archives” to the Retired Librarians Association, Library Association of Jamaica, at the Main Library, UWI Mona, March 10, 2017, (22 pp).
- **Robertston, J.** “Reflecting on Morant Bay and its aftermath: John Clarke’s ‘Dirge for the St. Thomas in the East Riot and Massacre’” *Jamaica Journal* 36:3 (2016), 18–25.
- **Robertston, J.** “Chinese Trade and Chinese Traders in Jamaica” First International Conference on China’s Maritime Silk Road and Global Role in History, held at the Guangdong University of Foreign Study, Guangdong, China, December 17, 2016, (18 pp.); Revised version to Cultural Studies Seminar, UWI Mona, March 2, 2017, (21 pp.).
- **Robertston, J.** “Archaeology at Port Royal in the 1890s and early 1900s: Excavating in the Filing Cabinet” Archaeological Society of Jamaica, 15th Symposium, Main Library, UWI, Mona, March 9, 2017, (5 pp.).
- **Robertston, J.** “Popular Histories: Listening to Stories about Jamaica’s Past” Inaugural Lecture, Faculty of Humanities & Education, UWI Mona, 7 April, 2017, (22 pp.).

- **Robertston, J.** “Out of Many, One Crop: Causes and Consequences of Seventeenth-Century Jamaica’s Shift to Sugar” to the Atlantic Seminar, Department of History, University of Minnesota, 14 April 2017, (31 pp.); an earlier version given to Faculty/Graduate Seminar, Department of History & Archaeology, UWI Mona November 11, 2016, (27 pp.).
- **Robertston, J.** “Port Royal: June 7th 1692 in 2017”, Commemorative Public Lecture, at Fort Charles, Port Royal, for the Jamaica National Heritage Trust, June 7, 2017, (9 pp.).
- **Smith, M. J.** “Loving and Leaving the New Jamaica: Reckoning with the 1960s,” Keynote address, *Memory, Migration, and Decolonisation in the Caribbean and Beyond, 1804 to the Present*, School of Advanced Study, University of London, 23 May 2017, 20 pp.
- **Smith, M. J.** “First Time From Jamaica: The Journeys of Jamaican Music,” Keynote Address, *Reggae Research Network Symposium: Expanding the Field*, Arts and Humanities Research Council-funded program between “Translating Cultures” and “Connected Communities,” Kuumba Imani Millenium Centre, Liverpool, UK, 19 May 2017, 20 pp.
- **Smith, M. J.** Invited discussant on Jamaica Music Museum Grounation Series, “Mento: Is ‘ow de music sweet so,” Institute of Jamaica, Kingston, Jamaica, February 5, 2017. 5pp
- **Smith, M. J.** Moderator for Vice-Chancellor’s Forum, “Forever Fidel: The Life and Legacy of a Caribbean Giant,” UWI Regional Headquarters, December 5, 2016.
- **Wilmot, S.** “Stony Gut and Cherry Garden: Paul Bogle, George William Gordon and the Morant Bay Rebellion” under the aegis of the Jamaican National Heritage Trust, Anglican Church Hall in Morant Bay on February 22, 2017.
- **Wilmot, S.** “Before and After Morant Bay,” Institute of Jamaica, April 5, 2017.
- **Oshikiri, T.** ‘Consuming Tea in Chicago and London’, presented to the Joint East Asian Studies Conference, SOAS, University of London, United Kingdom, 7–9 September.

**Oshikiri, T.** ‘Consuming Tea at the World’s Columbian Exposition (1893) and the Anglo-Japanese Exhibition (1910)’, presented to the Nordic Association for Japanese And Korean Studies, Stockholm University, Sweden, 17–19 August.

**Oshikiri, T.** The Cultural History of Tea in Japan’, given on behalf of the Embassy of Japan at ‘Let’s Have Cawfee Tea!’, Nanook Enterprises, Jamaica, 29 October.

**Oshikiri, T.** ‘Consuming Tea in Chicago and London: International Expositions and the Making of the “Japanese tradition”, 1893–1910’, presented at the Staff and Graduate Students Seminar at the Department of History and Archaeology, UWI, Mona, 7 October.

## PUBLICATIONS

### Book and Book Chapters

- “Military Material Life in the British Caribbean: Historical Archaeology of Fort Rocky, Kingston Harbor, Jamaica (ca. 1880-1945)”, Stephan Lenik and **Zachary J. M. Beier**, in Lynsey A. Bates, John M. Chenoweth, and James A. Delle (eds.), *Spaces In Between: Historical Archaeology of Slavery and Freedom in the Colonial Caribbean* (Gainesville, FL: The University Press of Florida, 2016), 279–306.
- “The Afro-Caribbean Diaspora in Reverse and its Implications for the Development of Christianity in Igboland, Southeastern Nigeria, 1895–1925”, **Wariboko, W.**, in *Igbo in the Atlantic: African Origins and Diasporic Destinations*. Ed. Toyin Falola & Raphael Njoku. Bloomington-Indiana: Indiana Univ. Press (October, 2016) 253–264.

### Peer-Reviewed Journal Articles

- The *Journal of Caribbean History* vol. 50, nos. 1 & 2 were published in 2016. The articles in both volumes are based on papers delivered at a departmental conference titled “The Terror Spread: The Morant

Bay Rebellion and Jamaican History,” October 22–25, 2015. The conference was held to mark the 150th Anniversary of the Morant Bay Rebellion. Both issues were edited by JCH editor, Dr. Kathleen Monteith.

- **Robertston, J.** “Reflecting on Morant Bay and its aftermath: John Clarke’s ‘Dirge for the St. Thomas in the East Riot and Massacre’” *Jamaica Journal* 36:3 (2016), 18–25.
- **Smith, M. J.** “‘To Place Ourselves in History:’ The Haitian Revolution in British Caribbean Thought Before The Black Jacobins” in Christian Høgsbjerg and Charles Forsdick (eds), *The Black Jacobins Reader* (Durham: Duke University Press, 2017), 178–196.
- **Smith, M. J.** “Parallel Motion: Shared Histories of War, Reform, and Power in the Eighteenth Century Caribbean (A Review Essay on Trevor Burnard and John Garrigus, *The Plantation Machine: Atlantic Capitalism in French Saint-Domingue and British Jamaica*) (Philadelphia: University of Pennsylvania Press, 2016)” *Slavery and Abolition* (May 2017), 645–652.
- **Smith, M. J.** “Overpowered: Control and Contingence in Haiti,” Review Essay in *Latin American Research Review*, 52:1 (2017), 197–202.
- **Smith, M. J.** Review of Jeffrey Sommers (with contributions from Patrick Delices) *Race, Realpolitik and Reality: U.S.-Haiti Relations in the Lead-up to the 1915 Occupation* (New York: Lexington Books, 2016), *Journal of Caribbean History*, vol. 50 no.2 (2016): 222–224.
- **Okenve, E.** ‘They Were There to Rule: Culture, Race, and Domination in Spanish Equatorial Guinea, 1898-1963.’ *Afro-Hispanic Review* 35, 1 (2016): 36–59.
- **Oshikiri, T.** The Shogun’s Tea Jar: Material Culture, Ritual and Political Authority in Early-Modern Japan’. *The Historical Journal* 59, no. 4 (December 1, 2016): 927–45.

## PUBLIC SERVICE

### Julian Cresser

- Board of Trustees, Jamaica National Heritage Trust

**Aleric Josephs**

- Coordinator/Organizer, Teachers' Workshop: Discipling Teachers through Mentoring, Teachers with a Mission (TWAM, integrating faith, social work and pedagogy), Hope Fellowship Church 23 Molynes Road, Kingston. October 1, 2016.

**Kathleen Monteith**

- Member of the Jamaica Memory of the World Committee, Jamaica National Commission, UNESCO
- Member of the Advisory Board of the Jamaica National Commission, UNESCO
- Member of the Advisory Board, African Caribbean Institute of Jamaica/Jamaica Memory Bank/Liberty Hall
- Member of the National Library of Jamaica's Collections Development/Information Systems and Services and Management Committee
- Chairperson, Nominating Committee, Association of Caribbean Historians, 2016/17
- Member, Editorial Board, *Journal of Niger Delta Studies* (A publication of the Institute of Niger Delta Studies, University of Port Harcourt)
- Member, Editorial Board, *Notes and Records: An Interdisciplinary Journal of African and African Diaspora Studies* (A publication of the Southern Interdisciplinary Roundtable on African Studies –SIRAS. Kentucky State University, Div. of Behavioural and Social Sciences HH 231, 400 East Main Street, Frankfort, KY 40601).

**Zachary J. M. Beier**

- Trustee, Jamaica National Heritage Trust (JNHT) Board of Directors
- Vice President & Board Member: Archaeological Society of Jamaica (ASJ)
- Member, U.W.I. Mona Heritage Committee
- Member, Society for Historical Archaeology (SHA)

## Department of History and Archaeology

- Member, Society for American Archaeology (SAA)
- Member, International Association for Caribbean Archaeology (IACA)

### **James Robertson**

- President, Jamaica Historical Society (until April, Vice-President)
- Past President, Archaeological Society of Jamaica (until March, President)
- Editor, *Jamaican Historical Review*
- Board Member, National Museums of Jamaica; chair, Content & Acquisitions sub-committee
- Member, National Archives Committee.

### **Matthew J. Smith**

- Member, Editorial Board, *Small Axe*
- Member, Editorial Board, *Social and Economic Studies*
- Member, Prize Committee, Isis Duarte Prize (Haiti-DR Section Prize), Latin American Studies Association, 2017
- Advisory Board Member, Geographies of Port-au-Prince project
- Member, H-Haiti (H-Net) Advisory Board

### **Swithin Wilmot**

- Member, Editorial Board, *Journal of Caribbean History*,
- Member, Board of Trustees, The Archbishop Samuel Carter Educational Foundation.

## **RESEARCH GRANTS & AWARDS**

### **Zachary J. M. Beier**

- “White Marl and the First Peoples Preservation Project”, The Mona Office for Research and Innovation, Office of the Principle, University of the West Indies, Mona, New Initiative Grant Funding, \$1,500,000 (JA), August 2017.

**INFORMATION ON STUDENTS****Student Awards**

Category/Name of Award	Name of Student	Grade %	Prize (Cheque Value)
<i>Neville Hall Prize</i>	Sasha Gaye Solomon	85	US \$100
<i>Walter Rodney Prize</i>	Lipton Matthews	80	US \$100
<i>Elsa Goveia Prize</i>	Nathan Vickers	82	US \$100
<i>Gladwyn Turbutt Prize in European History</i>	Jordan Craig	84	US \$100
<i>Gladwyn Turbutt Prize in Archaeology</i>	Kavian Kennedy	81	US \$100
<i>Gladwyn Turbutt Prize in Atlantic History</i>	Desmond Saunders	75	US \$100
<i>Gladwyn Turbutt Prize in Atlantic History</i>	William Holland	75	US \$100
<i>Gladwyn Turbutt Prize in Historical Methodology</i>	Clayticia Daniel	74	US \$100
<i>Gladwyn Turbutt Prize for Asian History</i>	Stephanie Parker	84	US \$100
<i>Gladwyn Turbutt Prize in Heritage Studies</i>	Desmond Saunders	78	US \$100
<i>Gladwyn Turbutt Prize in Heritage Studies</i>	Kirt Henry	78	US \$100

## DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY



Dr Lawrence Ojo Bamikole, BA., MA., PhD, *O.A.U, Ile-Ife*.  
Head of Department

### WORK OF THE DEPARTMENT

The Department engaged in multiple activities during the period under review. In the area of research, the Department received an award from the Office of Graduate Studies and Research for “Outstanding Performance in the Development of Research Students”. This award was presented to the Head of Department at a ceremony on Thursday May 4, 2017. Two research students; Ms Kadian Walters and Mr Andre Bernard also received awards at the function. During the academic year, three research students in the Linguistics Section; Trecel Messam-Johnson, Nickesha Dawkins and Daidrah Smith successfully defended their PhD theses.

A Postgraduate Retreat was convened on Friday, February 17, 2017 to discuss the research programmes on offer. The Philosophy and Linguistics Sections submitted proposals to revise their programmes but some of the

proposed amendments were not approved, pending the submission of additional information. The Philosophy Section would be developing a Post Graduate Diploma in Philosophy. In an effort to showcase the research conducted by post graduate students, the Department hosted its Postgraduate Research Day on May 25, 2017.

The Department participated in the annual University Research Days, held on February 1–3, 2017 as follows: Ms Burnadette McPherson submitted a Poster presentation “Chat Bad, Chat Good: The Perception of Location in Jamaican Speech Communities”. Mr Andre Bernard’s paper on “Contextualizing Jamaican Twitter Discourse” and Dr Kadian Walters’ paper on “I got what I wanted but how did they make me feel? The Anatomy of Linguistic Discrimination in a Diglossic Situation” were published in the Research for Development 2017 Publication.

Two staff-student liaison meetings were hosted by the Department on March 2 and 30, 2017 which allowed students to express their views and concerns about the delivery of their respective courses. Dr Michele Kennedy, Mrs Ama Ababio and Dr Sandra McCalla coordinated a stress management workshop on Thursday March 16, 2017 under the theme, “The Silent GPA Killer: Stress”. The event was hosted by the LOUD and PHILSOC clubs which are attached to the Department.

The Department met with various high school students during the period under review including Maggotty High school on Tuesday, March 28, 2017 and participants in the MM Jamaica Mathematics Competition on Thursday, May 4, 2017. The Linguistics Section hosted ‘Linguistics Day’ with Ascot High School students on March 21, 2017. Under the leadership of Dr. Michele Kennedy, CAPE Communication students were facilitated in several lectures and LOUD members gave students a campus tour including a visit to the UWI museum.

The Department was selected to participate in the University Council of Jamaica (UCJ) Mid-Cycle Evaluation visit on April 3 and 4, 2017. Three members of the Department – Drs Kennedy, Milson-Whyte and McCalla participated in an interview with members of the team while Dr Bamikole joined other Heads of Department to make presentations to this group.

A delegation led by the Vice-Chancellor of the University of Lagos (UNILAG), visited the Department as part of the event that marked the signing of an MOU to establish an Institute of African and Diaspora Studies between UNILAG and the UWI on Tuesday, May 16, 2017. At the occasion, Drs Bamikole and Milson-Whyte made presentations about the structure and activities of the Department.

Within the English Language Section, Dr Ingrid McLaren – Associate Dean for Outreach in the Faculty was promoted to Senior Lecturer in May 2017. Additionally, seven Instructors within the Section received permanent contracts. The Section continued to promote the relatively new Minor in English Language Writing and Speech.

During the Society for Caribbean Linguistics Conference held at The UWI, Mona from 3–5 August 2016, Drs Caroline Dyche and Claudette Coote-Thompson participated in the “soft” launch of the “Caribbean Association for Tertiary-Level Practitioners of Academic Literacies” (CATALP), which Dr Dyche co-chairs. Dr Coote-Thompson attended the ICT in Education Conference 2016 at Moon Palace in Ocho Rios on October 27, 2016.

Mr Annife Campbell, Dr Vivette Milson-Whyte and Ms Sandra Minott attended the Writing Research Across Borders (WRAB) Conference held at Pontificia Universidad Javeriana, Bogotá in Colombia from February 15–19. Mrs Ornette Blair, Dr Vivette Milson-Whyte, Ms Dianne Madden and Mrs Margaret Newman attended the 68th Annual Convention of the Conference on College Composition and Communication (CCCC) from March 15–18 in Portland, Oregon. Dr Caroline Dyche presented two-hour Newstalk Radio ‘Public Speaking workshops’ on February 19 and 26 in support of the English Olympiad initiative in high schools in Jamaica.

Drs Ingrid McLaren and Caroline Dyche represented the Language Section at a Cross-Campus Meeting held in Barbados from April 24–26, 2017. At this meeting, a decision was taken to change the name of the Foundation Language Programme and to develop a programme in Academic Writing/Literacies. Mrs Margaret Newman successfully completed

a Certificate in English Language Teaching to Adults (CELTA) course, with emphasis in Teaching English as a Second Language. Dr Dyche participated in the Dream Jamaica workshop for high school students held at The UWI, Mona between July 2 and 25, 2017.

Dr Milson-Whyte's book *Academic Writing Instruction for Creole-Influenced Students* (UWI Press, 2015) was named as a finalist in the Education/Academic (Non-fiction) category of the 2017 Next Generation Indie Book Awards (NGIBA). For this award, she received a certificate and a silver medal. The book was among UWI Press's award-winning books, presented to the Minister of Education, Senator Ruel Reid in May 2017.

Within the Linguistics Section, Dr Kadian Walters along with the LING 3399 – Language Planning class coordinated and delivered the second staging of the Applied Linguistics Symposium under the theme “Linguistics Discrimination in Jamaica's Public Sector” on March 21, 2017. A Linguistics undergraduate conference, hosted by the LOUD Linguistics Club was held on April 14, 2017 under the theme “All Languages Matter”. The Linguistics Section participated in a Cross Campus Meeting on April 18–19, 2017 at the St Augustine Campus with counterparts across the three UWI campuses.

Dr Michele Kennedy and Dr Monica Taylor edited a Special Issue of the *Caribbean Journal of Education* in 2016 themed ‘Language, Linguistics and Philosophy in Research’ (Vol 38, 2).

Professor Silvia Kouwenberg continued to serve as Deputy Dean in charge of Undergraduate matters and Quality Assurance for the Faculty of Humanities and Education.

The Linguistics of UWIMONA on Display (LOUD) club's outreach program was launched in September 2016. Read ALOUD is a reading program for students in Grades 1–6 and is held every Thursday at 3:30 pm at the Hope Outreach Centre in August Town. Visiting Professor, Susanne Mühleisen of University of Bayreuth, Germany, held a public lecture on February 23, 2017 entitled “Gud Nyuuz fi Patwa? Bible translation in colonial and postcolonial contexts”.

The on-going project 'Professional Development of Primary School Teachers' (PDPST), jointly undertaken by Dr Michèle Kennedy, Professor Silvia Kouwenberg, and Dr Yewande Lewis-Fokum, empowers primary school teachers with the background knowledge and abilities to make their approaches to the teaching of English language and literacy appropriate to a predominantly Creole-speaking classroom, and thus obtain improved learning outcomes across the primary school curriculum.

The project represents a significant effort to reach out to the following stakeholders: primary school teachers, especially those teaching grades 1–4, Teachers' Colleges, especially with Primary Language Arts Curriculum and graduates of UWI programmes who have completed a combination of Linguistics and English Education courses at the undergraduate level, and who are currently in the school system as educators. A postgraduate course, LING6109 (Linguistics in Language Arts Education) was designed for the graduates which will provide the basis for their certification as PDPST trainers. The lecturers participated in the B.Ed. Curriculum Programme Review for Teachers' Colleges of Jamaica from May 29–31, 2017 and the suggestions for significant changes to the course 'Teaching Language Arts in the Primary School 1' were accepted by the Language Arts review team.

The Philosophy Section, in collaboration with the Indian High Commission held its annual Gandhi Day Celebrations on October 2, 2016 at the Faculty of Humanities and Education. The annual UWI/ UNESCO World Philosophy Day held on November 17, 2016 under the theme "Ethics as a Guide to Right Action: The Case of Doping", was deemed to be very successful by those who attended. A panel discussion was held with Dr Rachel Irvin, Mr Compton Rodney, Dr Sopie Turfus and Dr Sandra McCalla as panellists.

Professor Rakesh Mishra, the first Chair of Indology and Gandhian Studies attached to the Philosophy Section successfully completed his two-year tenure on July 31, 2017. Professor Mishra gave a lecture at the Department's Post Graduate Research Day 2017 on the topic "The Europeans and the Beginning of Indology". Professor Mishra also taught courses in Indian Philosophy during his tenure.

The Writing Centre offered twenty one (21) hours of individual coaching per week along with writing workshops to students on the Mona campus. In Semester II alone, over 100 students had registered for coaching, a record for the Centre. As a collaborated effort with the Main Library, three workshops were offered to students where they could consult with representatives from the Main Library. The Department is working on a long run proposal for approval by the UWI, which will transform the Writing Centre into a sustainable Centre that will provide services for both students and staff in their writing and research activities.

The IELTS Centre continued to carry out its key mandate of delivering tests at the Mona and Western Jamaica Campuses and during the period under review, there was an increase in the number of test takers. The search for a suitable building for IELTS continued and both the Principal and the Dean were made aware of this matter. The administrative staff at the Centre attended administrative training/updates in Costa Rica from May 22–28, 2017.

The Jamaican Language Unit (JLU) implemented the plans for the 21st Biennial Conference of the Society for Caribbean Linguistics from 2nd–5th August, 2016. From August, 2016 to present, the Unit continued the operations of Braadkyaas Jamiikan on Newstalk 93Fm, via twice daily newscasts in the Jamaican Language. The programming was uploaded daily on a free app available for Android and Apple users. Also, the Unit began broadcasting on Youtube the interview programme in the Jamaican Language, hosted by Carolyn Cooper, ‘Big Tingz a Gwaan’.

The Unit conducted a review of the Jamaican Language for Foreigners’ programme run by the Embassy of the USA for its volunteers in Jamaica, recommending improvements between August and December, 2017. From September, 2016 to the present, the Unit designed an intervention with Moneague College to prepare Early Childhood teachers for delivering bilingually, in English and Jamaican, as required by the Ministry of Education National Curriculum Guides. There was also work with the Open Campus on a Jamaican as a Foreign Language Course to be delivered in September, 2017.

The JLU oversaw between August and November 2016, the final stages of the introduction of the new, 37 Credit M.A. in the English Language and eventually its implementation in January, 2017. The Unit continued, funded by ICCLR, to document the oral traditions of Jamaican Maroons, via transcribing and translating where necessary, an archive of oral material, some of it provided by Nana Farika. The JLU provided support for the Writing Across the Curriculum group, and its activities associated with the publication of the Quality Education Forum journal, as an international peer reviewed journal. The Unit collaborated with the University of Cincinnati in the form of the ongoing Jamaican Child Language Acquisition project run by Dr. Karla Washington and her colleagues. Mr. Javier Vanegas, PhD student from Universidad Tecnológica de Pereira, Colombia interned at the JLU from June 15 to July 15.

#### PAPERS PRESENTED

- **Bamikole, L.O. and Forbes, M.** (2017) “The Phenomenon of Dreams in Caribbean Epistemology” Presented at the *Caribbean Philosophical Association Conference, Shifting the Geography of Reason XIV: Theorising Livivity, Decolonizing Freedom* held at the Borough of Manhattan Community College (BMCC) in New York City, June 22–24, 2017. 15pp.
- **Bamikole, L.O.** (2017) “Creolizing Caribbean Aesthetics”, presented at *Cave Hill Philosophy Symposium-Conversations XII: Interrogating Caribbean Philosophical and Intellectual Traditions*, at the University of the West Indies, Cave Hill Campus, Barbados, April 19–21, 2017. 10pp.
- **Bewaji, J. A. I.** (2016) “A review of John Murungi’s *Introduction to African Philosophy of Law* in Author meet Readers Forum at the African Studies Association Conference in Washington DC, USA, December 1–3, 2017.
- **Bewaji, J. A. I.** (2016) “Parallel Epistemologies, Parallel Justice Systems” at the University of Ibadan, Ibadan, as part of the Carnegie/CODESRIA Fellowship to the University of Ibadan, Ibadan, Nigeria on August 17, 2016.

- **Dyche, Caroline** and **Claudette Coote-Thompson**, “‘Innovating in a University Academic Reading & Writing Course for ‘At Risk’ students: Making Sense of the Findings”. Paper presented at the Language Education Colloquium, of the 21st Biennial Conference of the Society for Caribbean Linguistics, UWI, Mona, August 2016.
- **Kennedy, Michèle, Silvia Kouwenberg** and Yewande Lewis-Fokum. “PDPST – Professional Development of Primary School Teachers.” Paper presented in the Colloquium on Literacy and Language Education in a Creole Context: Policy and Practice. *Society for Caribbean Linguistics 21st Biennial Conference*, UWI Mona, 2–5 August 2016. [Powerpoint Presentation]
- **Kouwenberg, Silvia**. “The strange absence of Amerindians in creole formation: the Berbice Dutch case.” Paper presented in the Society for Caribbean Linguistics 21st Biennial Conference, UWI Mona, 2–5 August 2016. [Powerpoint Presentation]
- **Kouwenberg, Silvia**. “Demographics and living conditions in early colonial Berbice and Essequibo and the emergence of Dutch Creoles.” History Seminar, Department of History & Archaeology at The UWI (Mona). February 10, 2017. [Powerpoint Presentation]
- Lewis-Fokum, Yewande, **Michèle Kennedy, Silvia Kouwenberg**. “The Professional Development of Primary School Teachers Project in Jamaica: Pockets of Change and Resistance.” Paper presented in the 66th Annual Conference of the Literacy Research Association ‘Mobilizing Literacy Research for Social Transformation’, November 30–December 3, 2016, Nashville, TN, USA. [Powerpoint Presentation]
- Lewis-Fokum, Yewande, **Michèle Kennedy, Silvia Kouwenberg**. “The Professional Development of Primary School Teachers Initiative: One way forward.” Paper presented at the International Conference on Urban Education on ‘Building and Sustaining Global Partnerships for Learning & Development’. November 3–5, 2016, San Juan, Puerto Rico, USA. [Powerpoint Presentation]
- **McCalla Sandra**, “Human Values in a Global Environment.” Paper to be presented at the Canadian American Conference for Academic Disciplines, McGill University, Montreal, May 30–June 2, 2017.

- **McLaren, Ingrid**, “Science Students’ Response to Academic Writing: Perceptions and Performance”, 8p, World Congress on Education, July 17–19, 2017, Dublin Ireland.
- **Milson-Whyte, Vivette**. “Cultivating Transnational Composition: Terms of Exchange in/for Capacity Building”. Paper presented at the 68th Annual Convention of the Conference on College Composition and Communication (CCCC), Portland, Oregon. March 2017. 25 slides.
- **Milson-Whyte, Vivette**, and **Annife Campbell**. “Dis/Connections in Students’ Perceptions/Expectations of Reading and Writing and their Achievements at the University Level”. Paper presented at the 4th Writing Research Across Borders (WRAB) Conference of the International Society for the Advancement of Writing Research (ISAWR), Pontificia Universidad Javeriana, Bogotá, Colombia. February 2017. 30 slides.

## PUBLICATIONS

### Books

- **Bewaji, John** (2016) “*The Rule of Law and Governance in Indigenous Yoruba Society – A Study in African Philosophy of Law*”. Lanham, Maryland, USA: Lexington.

### Edited Books/Journals

- **Bewaji, John**, Kenneth Harrow, Eunice Omonzeji & Christopher Ukhun (2017) “*The Humanities and the Dynamics of African Culture in the 21st Century*”. London: Cambridge Cambridge Academic Scholars Publishers.
- **Bewaji, John (Ed.)**, *Caribbean Journal of Philosophy – CJP*, Vol. 3, Vol. 4, Vol. 5 and Vol. 6
- **Farquharson, Joseph T.** & Bettina Migge (eds.) 2017. *Pidgins and Creoles: Critical Concepts in linguistics*. 4 volumes. London: Routledge
- **Kennedy, Michele and Monica Taylor** (2016) *Caribbean Journal of*

*Education*. Special Issue themed 'Language, Linguistics and Philosophy in Research' Vol 38 (2).

### Chapters In Books

- **Bamikole, L.O.** (2016) "Gbadegesin's Critique of Work as A Curse" in Enoch Gbadegesin, Yunusa Salami & Kola Abimbola (eds) *Exploring the Ethics of Individualism and Communitarianism: Multidisciplinary Essays in Honour of Professor Segun Gbadegesin*, USA: Harvest Day Publication, pp.141–158.
- **Bewaji, J. A. I.** 2017. "The Humanities – The importance of Home-grown Stories", in *UNESCO Courier*. July, 2017, pp. 42–45.
- **Bewaji, J. A. I., 2016.** "Dance – Aesthetics and Social Meaning" in Falola, Toyin and Akintunde Akinyemi (eds). *Encyclopedia of the Yoruba*. Pp. 80–81.
- **Bewaji, J. A. I., 2016.** "Gangs, Gangsters, and Gangsterism" in Falola, Toyin and Akintunde Akinyemi (eds). *Encyclopedia of the Yoruba*. Pp. 135–137.
- **Bewaji, J. A. I., 2016.** "Gossip and Rumor" in Falola, Toyin and Akintunde Akinyemi (eds). *Encyclopedia of the Yoruba*. Pp. 140–141.
- **Bewaji, J. A. I., 2016.** "Heritage, Cultural Preservation and Management" in Falola, Toyin and Akintunde Akinyemi (eds). *Encyclopedia of the Yoruba*. Pp. 149–149.
- **Kouwenberg, Silvia.** 2017. "The sociohistorical matrix of creolization and the role children played in this process". In *Language Contact in Africa and the African Diaspora in the Americas. In Honor of John V. Singler [Creole Language Library 53]*, eds. C Cutler, Z Vrzic, P Angermeyer, pp. 79–99. Amsterdam/ Philadelphia: John Benjamins.
- **Farquharson, Joseph T. & Bettina Migge.** 2017a. Introduction: Pidgin and Creole genesis and typology. In Joseph T. Farquharson & Bettina Migge (eds.), *Pidgins and Creoles: Critical concepts in linguistics 1: Pidgin and Creole genesis and typology 1*, 1–29. London: Routledge.
- **Farquharson, Joseph T. & Bettina Migge.** 2017b. Introduction: Sociolinguistics and/of Pidgins and Creoles. In Joseph T. Farquharson

& Bettina Migge (eds.), *Pidgins and Creoles: Critical concepts in linguistics 3: Sociolinguistics and/of Pidgins and Creoles*, 1–12. London: Routledge.

**Farquharson, Joseph T.** & Bettina Migge. 2017c. Introduction: Pidgins and Creoles and applied linguistics. In Joseph T. Farquharson & Bettina Migge (eds.), *Pidgins and Creoles: Critical concepts in linguistics 4: Pidgins and Creoles and applied linguistics*, 1–11. London: Routledge.

### Refereed Journal Articles

- **Bamikole, L.O.** (2016) “Bob Marley’s Music and Liberation Theology”, *Caribbean Journal of Education*, Vol. 38, No. 2, pp. 43–67.
- **Bamikole, L.O.** (2016) “ The Identity of the African Woman in Shola-Allyson Obaniyi’s Obinrin Ni Mi” *Journal of the Yoruba Studies Association of Nigeria*, Vol. 8, No. 2, pp.112–137. (www.ysan.org)
- **Bamikole, L.O.** (2016) “National Identity in the Multicultural State” *Journal of General Philosophy (J Philo)*, Vol. 2, No. 2, pp. 1–11. <http://dl6.globalstf.org/index.php/jphilo/article/view/1804/1918>
- **Cumberbatch, Keren** and Thaon Jones. “Use of Jamaican Sign Language in the provision of dental health care”. *Community Dental Health Journal*. 2017 (34) 72–76.
- **Farquharson, Joseph T.** 2017. Linguistic ideologies and the historical development of language use patterns in Jamaican music. *Language & Communication* 52. 7–18.
- **Jones, Carmeneta V.** (2016). “Planting the ‘Write’ Seeds; Nurturing Budding Doctor-writers”. *Caribbean Journal of Education* Vol 38 (2): 68–96.
- Jones, Thaon and **Keren Cumberbatch**. “Sign language in dental education – A new nexus”. *European Journal of Dental Education*. 2017. (00) 1–8. DOI: 10.1111/eje.12285.
- **Kennedy, Michele** (2016) “Systematicity in the acquisition of determination by three-year old Jamaican children. Implications for

Language Education.” *Caribbean Journal of Education* Vol 38 (2): 18–42. [article in Department’s Special Issue]

- Rajendra Santosh, Arvind, **Keren Cumberbatch** and Thaon Jones. “Post-Glossectomy in Lingual Carcinomas: A Scope for Sign Language in Rehabilitation.” *Contemporary Oncology*. 2017. 21 (2) 123–130.
- Riley, Mortilaine, Livingston White, Winklet Gallimore, Thaon Jones, Andrea McPherson and **Keren Cumberbatch**. “Learning is Just a Click Away: A Case Study on the Introductory Use of Student Response Systems (‘Clickers’) in Higher Education”. *Caribbean Journal of Education*. 39 (1 & 2).
- **Taylor, Monica** (2016) “Writing opens the door: a survey of the role and status of writing in the Jamaican workplace.” *Caribbean Journal of Education*, Vol 38 (2) pp. 97–133
- **Walters, Kadian**. (2016). “Andastan Mi No Man: Removing Language Barriers in Jamaica’s Legal System” *Sargasso: Journal of Caribbean Literature, Language, & Culture*. Vol 2. 33–42
- **Walters, Kadian**. (2017). “Language Teacher or Service Representatives? The Corrective Conversational Practices of Customer Service Representatives in Jamaica’s Public Entities”. *The Caribbean Journal of Education (Special Edition)* Vol 38 (2):1–17

### Non-Refereed Research Based/Scholarly Publications

- Journal Op-Ed Article **Milson-Whyte, Vivette**. “Author’s Response: Launch of Academic Writing Instruction for Creole-Influenced Students”. *Caribbean Journal of Education*. 38.2 (2016). 134–143.

### INCOME GENERATION

The income generating arms of the Department include: the Writing Centre, the IELTS Centre, the MA English Language programme, the ELPTU and Summer School. The Jamaican Language Unit (JLU) continued to provide printing services to the staff and students mainly in the Department.

## PUBLIC SERVICE

- **Professor John Bewaji** served as the Carnegie/ Visiting CODESRIA Fellow at the University of Ibadan, Nigeria from June to August, 2017. He served as the Academic Coordinator for the Regional Humanities Symposium from June 28–30, 2017 at the UWI, Mona. **Professor Bewaji** is a Member of the Steering Committee of the Global Summit on Bioethics from 2015–2018 and Chairman of the National Bioethics Committee of Jamaica (NBCJ-UNESCO).
- **Dr Ingrid McLaren** conducted a presentation on “Teaching Strategies for 21st Century” at the YWCA School Leavers’ Institute Teachers’ Workshop on Tuesday August 30, 2016.
- **Dr Kadian Walters** did a Motivational Speech on Girls’ Day with the theme ‘Living on Purpose’ at St. Catherine High School on February 1, 2017. She facilitated a Vision Board Workshop at the Young Women’s Summit “From Dream Girls to Leading Ladies” at Ardenne High School on August 19, 2017.
- **Dr Vivette Milson-Whyte** is a member of the Conference on College Composition and Communication (CCCC) Committee on Globalization of Post Secondary Writing Instruction and Research. She is a Member of the Board of Directors of the Teachers Service Commission, The Ministry of Education, Youth & Information. Dr Joseph Farquharson served as Officer-at-Large for the Society for Pidgin and Creole Linguistics and Publications Officer for Society for Caribbean Linguistics.
- **Dr Michele Kennedy** has served as Chairman of Board of Governors at St Michael’s Theological College since November 2015. Since 2009, she has served on the Selection Committee for Scholarships for Tertiary Education for the Percy and Alice Chang Education Foundation and she is Chairman of the Board since July 2016.

## STUDENTS

### Prizes awarded:

#### Foundation and Language courses:

- Best Student in FOUN 1012 – Tasheika Kelly
- Best Student in FOUN 1014 – Xaundre Mohansingh
- Best Student in FOUN 1002 (Language Argument) – Russell Green
- Best Student in LANG3001 – The Art of Public Speaking – Kathryn Edwards

#### Linguistics

- Best Level-I Student – Amanda Gooden
- Level-II Theory Student – Chevaughn Swaby
- Level-III Theory Student – Georgette Mighty

#### Philosophy

- Best Level III Student – Randy Davidson

The *John Reinecke Prize* for Best Pure Linguistics Graduating Major-  
**Peta-Gaye Williams**

#### First Class Awardees

Peta-Gaye Williams

Randy Davidson

## DEPARTMENT OF LIBRARY AND INFORMATION STUDIES



Dr. Paulette Stewart, PhD *NCU, Jamaica*  
Head of Department

### WORK OF THE DEPARTMENT

#### Teaching and Learning

#### *New Programmes*

In keeping with the mandate to constantly upgrade the offering of the Department to reflect the University's Strategic Plan and cater to the demands of the workplace, the Department of Library and Information Studies (DLIS) developed three new programmes which were approved as self-financing programmes. These are:

- Bachelor of Arts in Librarianship
- Bachelor of Arts in Information Studies
- Master of Arts in Archives and Records Management

The Bachelor of Arts in Library and Information Studies was divided into two programmes: The Bachelor of Arts in Librarianship and the Bachelor of Arts in Information Studies. It was evident that the one degree (BA in LIS) was not catering to the needs of the information sector due to the strong emphasis on librarianship and not enough focus on information studies. The Bachelor of Arts in Librarianship, which is close to the original programme, trains librarians to work in schools, public and special libraries. The Bachelor of Arts in Information Studies is aimed at preparing workers for other information units including documentation centres, museums, and archives, and also for a wide range of information intensive jobs such as researchers, information officers, information managers, records managers, online searchers and web masters.

### **Multi-modal delivery of the BA in Librarianship**

The Department is continuing to add the online delivery to its face-to-face programmes as part of its commitment to The UWI's 2017–2022 Strategic Plan which emphasises “access” as one of the Triple ‘A’ strategies which hinges on widening access to quality tertiary education. In addition to these, there is the global trend in Library and Information Science education for multi-modal delivery; and the increased global and national competition for our students. The DLIS therefore conducted a Feasibility Study throughout the Caribbean Region between December 2016 and January 2017 to support the proposal for the introduction of the multi-modal delivery of the BA in Librarianship programme (Self-Financing). The following table on page 87 shows the findings:

It should be noted that these figures do not include other persons who may be interested in the programme as the survey was conducted among library staff only across the Caribbean. The Department is therefore in the process of seeking approval to deliver the BA in Librarianship in the multi-modal format.

**Table 1:** BA in Librarianship programme (Self-Financing)

Country	Start Date 2 017/18	Start Date 2018/19	Start Date 2019/20	Not sure	Total
Bahamas	10	1	–	–	11
Belize	3	1	–	–	4
Jamaica	22	12	1	3	38
St. Lucia	2	–	–	–	2
St. Maarten (Dutch side)	1	1	–	–	2
St. Vincent & the Grenadines	3	3	1	2	9
Trinidad & Tobago	18	4	–	2	24
Turks & Caicos	1	–	–	–	1
<b>Total</b>	<b>60</b>	<b>22</b>	<b>2</b>	<b>7</b>	<b>91</b>

### Courses Developed

- LIBS3007 – Caribbean Libraries and Information Units
- LIBS6504 – Information Sources in the Humanities, Social Sciences and Science and Technology
- ARCM6002 – Acquisition Organization and Access to Archival Materials
- ARCM6006 – Memory and Recordkeeping in the Caribbean
- LIBS1401 – Introduction to Online Searching and Information Retrieval

## **Teaching Resources**

### ***Virtual Conference Room***

The Department has retrofitted one classroom and the computer lab with video-conferencing codecs (Lifesize and Polycom). These will be used with ZOOM to host virtual interactive lectures and meeting with students.

### **Print and Electronic Books**

Through a request made by the Department to the UWI Mona Library, a number of e-books has been purchased to support the Graduate online programmes. Printed resources were also purchased to be placed in the academic libraries in countries where students reside. E-resources were also purchased for undergraduate face-to-face students.

## **RENOVATION OF LIBRARY**

In a continued effort to further modernize the Department, renovation activities carried out in the Dorothy Collings Learning Resource Centre have resulted in improvements to the infrastructure of the DLIS Library. The renovation includes relocation of the main Reading Room area in order to convert the space into an additional class room. The main entrance door of the Dorothy Collings Learning Resource Centre was also retrofitted with a lightly tinted glass door and windows which greatly enhance the aesthetics of the new library space, as well as to facilitate the installation of air conditioning units. The new library space now houses the Department's reserved books collection; children's literature collections; a circulation area; a computer station to access **UWIlinc** – The information portal for UWI information resources; **InMagic** – The Department's internal database that is used to access all its research papers; an area for postgraduate students to review thesis papers; and a general reading room area. Additional upgrades to the new library space will include retiling of the floors, as well as acquisition and placement of new furniture to further enhance and modernize the space.

## **INTERNATIONAL ACCREDITATION FOR PROGRAMMES**

Since indicating its interest in international accreditation, the Department has approached and requested documentation from the Chartered Institute of Library and Information Professionals (CILIP). CILIP is a UK-based library and information professional association that has offered international accreditation to library and information studies programmes outside of the UK, including university programmes in the Middle East. From the documentation accessed and reviewed to determine if the Department could qualify for CILIP accreditation, DLIS realized that the main criteria for qualifying for CILIP accreditation is to provide courses that allow our students to have the same competencies as those outlined in CILIP's Professional Knowledge and Skills database. An initial review of the documentation for accreditation, focusing on the skills and competencies that the Department currently does not have and need to add, was completed in February 2017. The Department is to seek support and approval from the Dean, FHE and the UWI Principal before continuing the process.

## **GRADUATE STUDIES AND RESEARCH**

### ***Staff/Graduate Research Seminars***

The following Staff/Graduate Research Seminars were held during the year.

#### *Lisa-Gaye Vernon*

- Halls of Residence Librarian Programme at a University in Jamaica: An Evaluative Case Study, March 30, 2017.

#### *Ruth Baker-Gardner*

- Ignorance or Intent? A Case Study of Plagiarism in Higher Education among LIS Students in the Caribbean, March 30, 2017.

#### *Sammara Reynolds*

- A Survey of Employers' Perceptions of the Employability Skills of Recent Graduates of a Library School in Jamaica, April 13, 2017.

*Treveann Harris*

- Contemporary Technologies in Academic Library Services: A Study of Students' Usage, Preferences and Their Implications, April 13, 2017.

### **DLIS Principal Research Initiative**

The Principal Research Initiative Grant of \$1.5M which was used to conduct research on "*Media and Information Literacy Levels of the Exit Stages of the Education System in Jamaican Schools*" is completed and now being edited for delivery to the Principal's Office.

### **Research Forum**

The Department hosted a Research Forum on February 2, 2017 under the theme "*Stimulating Scholarship: Connecting Research and Practice in the Library and Information Science Environment*." Dr. Orville Taylor, Head of Department of Sociology, Psychology and Social Work in the Faculty of Social Sciences was the Guest Speaker. Eleven posters were presented on varying topics in Library and Information Science and Archives and Records Management. Presenters were faculty, graduates and practitioners in the information science environment. The Forum was co-ordinated by Dr. Rosemarie Heath, Lecturer in the Department.

### **UWI Research Days – February 1–3, 2017**

The Department participated in Research Days with the following activities which were co-ordinated by the librarian, Mrs. Marisa McPherson:

- Poster presentation
- Booth set up in the Humanities Courtyard
- Information Jeopardy Game
- National Library of Jamaica and The UWI Mona Library Bindery Book Repair demonstration
- UWI Archives Display
- Giveaway of DLIS souvenirs

### **Daphne Douglas Distinguished Lecture**

The 2nd Daphne Douglas Distinguished Lecture was held on Thursday, May 4, 2017 in honour of Professor Daphne Douglas and her work and contribution to Library and Information Science Education in the Caribbean and the development of the Department of Library and Information Studies. Mrs. Karen Barton, Director General of the Jamaica Library Service was invited to be the Guest Speaker. The theme of her presentation was, “Impacting Development: The Genesis of the Transformation of the Jamaica Library Service.”

### **Summer Institute 2017**

The Department held its annual Summer Institute from June 21–22, 2017 with a workshop on “Tech Talks for Information Environments,” co-ordinated by Mr. Mark-Shane Scale, Lecturer in the Department. The Institute was planned as an income-generating event for the Department and featured presentations on technology topics relevant to archives, libraries, museums and records management centres. The Institute, which was offered via online and face-to-face mode included local and international presenters. Local presenters included faculty from DLIS as well as personnel from various institutions and ministries. Among the international presenters were Leah Rosenberg, Associate Professor at the University of Florida; and Laurie Taylor, Digital scholarship Librarian, University of Florida and the Digital Library of the Caribbean. Twenty-four persons attended the Institute.

### **OUTREACH AND PROMOTION**

#### **Faculty Outreach Day – November 10, 2016**

- The activities conducted by the Department of Library and Information Studies for Faculty Outreach day 2016 were meant to promote and highlight the programmes of the department with a view to encouraging students to consider pursuing a degree in Librarianship or Information Studies. The following activities were carried out:

- Showcasing of research that have been done in the Department by faculty and students.
- Display of two posters - one highlighted the skills that students will acquire by doing a degree in the Department and possible places of employment while the other provided information on the history of the department.
- Engaging students in a group discussion about the Department's programmes and courses and places of employment after completion of their programme of study
- Presentation by Dr. Paulette Stewart in the Neville Hall Lecture Theatre of an overview of the programmes offered by the Department. A part of this activity, third-year student Precillia Rivas-Thomas shared her experiences of being in the Department and encouraged students to consider pursuing a degree in the Department.

## **STAFF MATTERS**

### **Academic Staff**

#### ***Principal Research Awards for Excellence***

*Dr. Paulette Stewart* was a recipient of the Principal's Research Awards for Best Research Article in the Faculty of Humanities and Education. The research is titled, "*Synchronous and asynchronous tools optimizing teacher immediacy in online learning in the English-speaking Caribbean.*"

### **Library and Information Association of Jamaica (LIAJA)**

#### **Professional awards**

*Dr. Ruth Baker-Gardner* received two awards:

- Library and Information Association of Jamaica (LIAJA) Professional Award for Excellence for 2016
- Library and Information Association of Jamaica (LIAJA) Award for Excellence for Community Service 2016

### **Resignation of Departmental Librarian**

The post of Departmental Librarian was recently advertised, due to the resignation of Mrs. Marisa McPherson who was granted a scholarship to the Victoria University of Wellington in New Zealand to pursue her PhD.

### **UWI/CB 5K Run/Walk**

Faculty and students from the Department participated in the 5th Annual CB Group UWI 5K and Smart Eggs Kids Walk/Run Events which took place on Sunday, November 13, 2016.

### **INTERNATIONAL PARTNERSHIPS**

#### **Feasibility Study**

The Department completed its tasks assigned by UNESCO for the feasibility study to determine whether or not a Media and Information Literacy Institute is needed across the globe. UNESCO will complete the final research report which will reflect the findings and analyses of the responses from across the globe.

### **VISITORS TO THE DEPARTMENT**

#### *Mr. Alton Grizzle*

The Department was visited by Mr. Alton Grizzle, UNESCO Programme Specialist – Media Development and Society Section, Freedom of Expression and Media Development Division, in Paris, France. Mr. Grizzle carried out his Research Stay during the period December 19, 2016 to January 15, 2017. He participated in a number of educational activities that were related to his course of study and dissertation that he is presently undertaking at the Autonomous University of Barcelona, Spain. He presented an overview of his dissertation to the staff in the Department of Library and Information Studies, examined the research

papers on media and information literacy, met with Professor Hopeton Dunn, Director of Caribbean Institute of Media and Communication (CARIMAC), collected additional data for his dissertation and conducted a seminar titled, “Information Literacy: Transforming and Reforming Education.”

On May 15, 2017, the Department was visited by personnel from EBSCO. Discussions were on the inclusion of EBSCO personnel in future workshops to be hosted by the Department. Team members were Mr. Alfredo Rivera Ibarra, International Sales Director; Mr. Jesus Elizondo, Library Services Engineer and Mr. Damien Satterthwaite, Regional Sales Manager – Caribbean EBSCO Information Services.

### PAPERS PRESENTED

- **Baker-Gardner, Ruth.** “*The Place of Plagiarism Education in the Secondary Curriculum.*” Institute for Educational Administration and Leadership – Jamaica National Conference. Terra Nova Hotel, Kingston, Jamaica March 23, 2017.
- **Baker-Gardner, Ruth and Heath, Rosemarie.** “*Copyright Legislation in the Caribbean and Latin America.*” International Federation of Library Associations (IFLA) Conference. Columbus, Ohio. August 13–19, 2016.
- **Heath, Rosemarie.** “*Toward TVET Certification: The Experiences of Spa Therapy Trainees.*” Research paper presented at the 3rd International Conference on TVET in the Caribbean, at the Hilton Rose Hall Hotel and Spa, Montego Bay, Jamaica. May 10–2, 2017.
- **Scale, Mark-Shane.** “*Internet access to home-schooling information in Barbados: A qualitative case study of obtainable sources.*” National Educational Leadership and Management Conference. Knutsford Court Hotel, Kingston, Jamaica. March 2–3, 2017.
- **Stewart, Paulette.** “*School Library Design, Facilities and Resources for Sustainable Cognitive and Social Development of Students: An Evaluative Case Study.*” International Association of School Librarianship (IASL) Conference. Tokyo, Japan. August 16–22, 2016.

- **Stewart, Paulette.** *“Opportunities and Challenges for Intercultural Dialogue in Changing Multi-media Landscape: MIL as a Tool for Bridging the Divide (making a bridge) between Learning and Living in Formal, Informal and Non-formal Education.”* UNESCO Media and Information Literacy Conference, Sao Paulo University, Brazil. November 2–5, 2016.
- **Stewart, Paulette.** *“An Analysis of the Jamaican Grades 1-6 Curriculum for the development of a Media and Information Literacy and Intercultural Dialogue Cross-Curriculum.”* Institute for Educational Administration and Leadership – Jamaica National Conference Terra Nova Hotel, Kingston, Jamaica. March 2–3, 2017.
- **Wu, Yan.** *“Automatic Taxonomy Induction for Image Collections.”* International Conference on Signal and Image Processing (ICSIP 2016). Beijing, China. August 13–15, 2016.
- **Wu, Yan.** *“Comparing Visual Interpretation of Web Interfaces by Viewers from Different Cultural Locations: A Case Study.”* Conference of the XVI World Congress of Comparative Education Societies on Dialectics of Education: Comparative Perspectives. August 22–26, 2016, Beijing, China.

## Posters

- **Scale, Mark-Shane.** *“Exploring enterprise and entrepreneurship in Jamaica’s information industry: An examination of six case studies.”* Mona School of Business and Management’s Business and Management Conference in Kingston, Jamaica under the theme: Connecting the Dots: Enterprise, Entrepreneurship & Sustainable Development on November 10, 2016.

## PUBLICATIONS

### Book Chapter

- **Baker-Gardner, Ruth and Cherry-Ann Smart.** “Ignorance or Intent? A Case Study of Plagiarism in Higher Education among LIS Students

in the Caribbean” in Donna Vellaris (ed.) *Handbook of Research on Academic Misconduct in Higher Education*. 182–205. Hershey: PA. Information Science Reference. 2017. Print.

- **Baker-Gardner, Ruth.** “Teacher Induction in the Caribbean.” In Teresa Petty, Amy Good, and Michael Putman (Eds.) *Handbook of Research on Professional Development for Quality Teaching and Learning*. 517–545. Hershey: PA. Information Science Reference, 2016. Print.
- **Heath, Rosemarie,** Ruth Baker-Gardner, Russell, Jollette, Tricia Lawrence and Winsome Hudson. “*BIBLIOTECAS LAC: el impacto de la legislación de derechos de autor en la America Latina y Caribe.*” E-Book.

### Newsletter

- **Scale, Mark-Shane.** “The Partner-Consultant: Partnering with Clients in Consulting.” *AIIP Connections* Volume 30 No. 3 (September 2016): 8-9 Web. <<http://www.aiip.org/resources/Documents/Connections/2016ConnectionsV30N3.pdf>>

### PUBLIC SERVICE

#### Dr. Paulette Stewart

- Member, Government of Jamaica Records and Information Management Sub-Committee for Capacitation of Key stakeholders
- Member, National School Library Policy Development Committee
- National Judge, Jamaica Library Service National Reading Competition
- Committee Member, National Committee of the Appointment of Master Teachers, Ministry of Education
- Director, International Association of School Librarianship, Latin America and the Caribbean
- Member, International and Local Organizing Committee for the UNESCO Global MILID Week Conference to be held in Kingston, Jamaica October 24–27, 2017

- Co-Chair, Planning Committee, UNESCO GAPMIL MILID Conference 2017

**Dr. Rosemarie Heath**

- Chair, Awards Sub-committee, Library and Information Association of Jamaica (LIAJA)

**Dr. Ruth Baker-Gardner**

- Member, National Public Library Advocacy Committee
- Member, National School Library Policy Development Committee
- Executive Committee Member, Library and Information Association of Jamaica (LIAJA)
- Reviewer of the New Jamaican National Standards Based Curriculum for the Inclusion of the School Library on behalf of the Library and Information Association of Jamaica. May 2017

**Mr. Mark-Shane Scale**

- Assistant Editor and reviewer for *Africology: The Journal of Pan African Studies* (www.jpanafrican.org) special edition on Internet access and usage focused on people of African heritage around the world.

**Dr. Yan Wu**

- Member, Advisory Committee, The Jamaica Libraries and Information Network (JAMLIN) 2017
- Member, Technical Programme Committee, 4th Annual International Conference on Information Technology and Applications [ITA 2017], Guangzhou, Guangdong, China. May 26–28, 2017

**STUDENT MATTERS**

**Meeting with Undergraduate Course Representatives**

Two meetings were held with student representatives during this academic year. These were regular meetings called to gather feedback from students

regarding each course. Representation for the graduate courses was limited considering that many of these students are online and could not join the meeting at the specified times. Students were generally satisfied with the courses and styles of delivery, but suggested the moving of some courses from one semester to another based on the content of the courses and the relationship of these courses to others in the programme. They made suggestions as to how the departmental process for academic advising and orientation could be improved. These included: creating an orientation video that students can watch at their own leisure to get important information, and including a Frequently Asked Questions section on the department's website and Facebook page.

### **Student Enrolment 2016/2017**

#### ***Undergraduates***

<b>Full-Time</b>	<b>Part-Time</b>	<b>Total</b>
20	39	59

#### ***Postgraduates***

<b>Face-To-Face</b>	<b>Online</b>	<b>Specially Admitted</b>	<b>Total</b>
27	16	5	48

#### **Practicum/Internship**

A total of twenty-four (24) students were placed at various libraries in Jamaica, the USA, Suriname and Trinidad. There were twelve (12) undergraduates and twelve (12) postgraduates.

#### **Faculty/Departmental Awards**

##### ***New Prize for Records Management***

This new prize was awarded to the student with the highest grade in ARCM6004 – Records Management in a Digital Age and was sponsored and presented by Ms. Sonia Black, Course Lecturer. The following prizes were awarded:

## Department of Library and Information Studies

- Year I – DLIS Alumni Prize for Best Grade – Akeelya Williams
- Year II – Commonwealth Library Association (COMLA) Prize for Best Grade – Nadina Shorter
- Dorothy Collings Prize for Best Grade (Postgraduate – Graduating) – Kishana Munroe
- Dorothy Collings Prize for Best Grade (Year III – Graduating) – Alexa Lodge
- Gloria Baker Award for Best Grade in LIBS3006: Caribbean Schools & Public Libraries – Nicoleen Saunders-Grant
- Daphne Douglas Prize for Outstanding Professional Development – Michael Humphrey
- Hazel Bennett Prize for Best Grade in a Level I Management in Information Systems course – Russhaine Powell
- Fay Durrant Award for Best Grade in LIBS3901 – Access to Information in the Caribbean – Michael Humphrey
- Records Management Prize for Best Grade in ARCM6004 – Records Management in a Digital Age – Tamara Marshall
- Stephney Ferguson Award for Best Grade in LIBS6901 – Trends & Issues in Library and Information Work – Kevin Samuda

### **UWI LIBRARY AND INFORMATION STUDENT SOCIETY (UWILISS)**

The UWILISS functioned for only one semester because there was no staff member who was readily available to provide the support needed by students. During the first semester students met every Thursday from 1.00 p.m. to 2.00 p.m. The first few meetings were spent electing new officers, re-organizing the Society and seeking support from all the students. Thereafter, the meetings were mostly used to discuss the activities for the year, chief of which was to adopt a school in the community and to make a donation of books to the library. The school was selected and the books were provided by the President of the Society, Akeelya Williams. The donation will be made in the upcoming academic year.

## DEPARTMENT OF LITERATURES IN ENGLISH



**Dr. Michael A. Bucknor**, BA *UWI*; MA, PhD. *University of Western Ontario*,  
Cert. In Teaching (Hons) *Mico College*  
**Head of Department**

### WORK OF THE DEPARTMENT

The 2016/17 academic year presented the Department of Literatures in English with several new opportunities; and despite the lower undergraduate enrollment and the suspension of the MA Programme for the academic year, the department was able to maintain a robust and packed schedule of activities that underscored the significance of UWI's role as the premier site of literary excellence in Jamaica. The activities included public lectures, book launches, literary readings, film screenings, "Reggae Talks," creative writing workshops, our annual Poetry Clash Competition during the Research Days, and annual CAPE lectures and workshops for high school students and teachers. We also partnered with other departments, institutions and campuses such as CARIMAC, the Department of History and Archaeology, the Department of Modern

Languages and Literatures, The National Library, The British Council and BOCAS LitFest, Two Seasons Guest House, The Gloria Lyn Memorial Fund and the Western Jamaica Campus (WJC) to host scheduled events. We continue to work on the recommendations from the department's Quality Assurance Review regarding the introduction of a Creative Writing Minor, an MFA programme, formal institutionalization of the Writer-in-Residence position, the expansion of our film courses, as well as the establishment of a strong internship programme. The department will continue to work towards achieving its objectives in the 2017/2018 academic year.

## TEACHING AND LEARNING

The Department welcomed three (3) new members of staff, **Dr Jennifer Brittan**, **Dr Isis Semaj-Hall** and **Dr Connor Ryan**. The Department also welcomed **Ms Amba Chevannes** and **Ms A-dZiko Simba** who were appointed Part-time Lecturers for Semester II.

## CURRICULUM DEVELOPMENT

The Department will be offering one (1) course, Reggae Films (LITS2806) in the summer.

With respect to curriculum development, a new course titled "Reggae Narratives" is being considered for delivery in the upcoming academic year. Two additional courses, "Nollywood: Genres of African Film" and "World Cinemas" are awaiting approval. The department is still in the process of reviewing and finalizing the Minor in Theatre Studies, in collaboration with the Philip Sherlock Centre for the Creative Arts, and refining a proposal for a joint BA/BEd in Literature and Education, with the School of Education. In response to the Quality Assurance Review, the Creative Writing Minor programme is being prepared and will be submitted to AQAC for approval before the end of the academic year. The Department has also continued to audit various international and regional programmes with a view to designing its own MFA programme for the 2018/2019 academic year.

## GRADUATE STUDIES AND RESEARCH:

The revised MA Programme was approved, following its suspension during the academic year, and will reconvene in the 2017/18 academic year. The credit rating was upgraded from 24 to 36 credits.

### Departmental Awards

Two (2) students, Tohru Nakamura and Alexis Samuels were selected for the 2016/2017 Departmental Awards. Mr. Nakamura assisted the department's Events Coordinator, **Dr. Jennifer Brittan**, and Ms Samuels provided administrative support in the office.

## UNDERGRADUATE STUDENT MATTERS

- The Department hosted its annual *First Year Social* on Thursday, September 15.
- The Annual Faculty Awards Ceremony was held on Thursday, November 3. Kevhaun Bailey, Cornel Bogle, Latoya Briscoe, Makini Teape, Jillian Watson, Kyle Williams, Letay Williams, and Tiffany Smith, were presented with departmental awards.
- Two (2) Departmental Consultative Committee (DCC) meetings were held for the academic year on November 17, 2016 and March 30, 2017, respectively. The meetings allowed lecturers to have dialogue with class representatives and receive reports from them regarding the courses taught, with the aim to improve the department's course delivery.
- **Dr. Rachel Moseley-Wood**, Outreach and Research Days Coordinator, organized the department's *Poetry Clash* Competition at the annual UWI Research Days held February 1–3, 2017. Unpublished poets (past and present UWI students) competed and the top three (3) winners received cash awards. Teddense Thomas, Obafemi Smith and Tracy-ann Hyman won the 1st, 2nd, and 3rd prize respectively.
- In an effort to provide guidance to our Second and Third year Liberal Studies and Literatures in English Majors, the department held its

annual *Career Talk* on Thursday, April 6. The guest speaker was Coleen Douglas, Director, Marketing & Communication, Edna Manley College of the Visual & Performing Arts. Her talk was inspiring and was well received by the students.

## SCHOLARLY ACTIVITIES AND OUTREACH

### Annual West Indian Literature Conference

- The Department of Literatures in English in association with the UWI Mona Western Jamaica Campus (WJC) hosted the **35<sup>th</sup> Annual West Indian Literature Conference**, October 6–8, 2016 at the Holiday Inn Resort, Montego Bay, Jamaica. The theme of the conference was “Archiving Caribbean Literature and Popular Culture.” The conference attracted 80 participants from the region, North America and Europe. **Ms Lisa Brown, Drs. Jennifer Brittan, Michael Bucknor, Isis Semaj-Hall, Anthea Morrison and Rachel Moseley-Wood** were among the panel chairpersons at the conference. The event was a great success.

### 10th Edward Baugh Distinguished Lecture

- The Department of Literatures in English in association with the Department of Modern Languages and Literatures, hosted the 10<sup>th</sup> Edward Baugh Distinguished Lecture on Sunday, November 27, 2016 at the Neville Hall Lecture Theatre. The lecture was presented by Indo-Canadian academic, Professor Nandi Bhatia of Western University, London, Ontario, Canada. Her presentation was entitled “Dramatic Contests and Colonial Contexts on the Indian Stage.”

## EVENTS

- The Africa World Documentary Film Festival (AWDFF) was not held this academic year due to a delay in shipping the DVDs from the sponsors at the University of Missouri. The DVDs are now in the Department’s possession and planning has begun for staging the

festival in Semester 1, 2017. This may be the final staging of the festival at Mona as it has been terminated due to lack of funds. The organizers at the University of Missouri are optimistic, however, that the festival will be revived in the future.

- The Sankofa Arts and Facilitation in association with the Department of Literatures in English successfully staged “Word Soul: The Lorna Goodison Edition” on Saturday, December 17, 2016 at the Philip Sherlock Centre for the Creative Arts.
- The Department held a two-day Retreat between January 11 and 12, 2017 to re-evaluate its programmes and to develop a marketing plan for its offerings.
- The Department of Literatures in English held a Farewell function for Professor Carolyn Cooper who retired w.e.f. October, 2016. The event was held on Thursday, March 23, 2017 at the Undercroft.
- The Department of Literatures in English in collaboration with the Department of History and Archaeology and UWI Mona Library, hosted a public lecture by Dr. Michelle Faubert, University of Manitoba, Canada titled “Encrypted Secrets, Cultural Discontent, and a New Letter by Granville Sharp: Or, Why Archival Research Matters.” The event was held on May 10, 2017 at the Multifunctional Room, Main Library.
- The Department of Literatures in English partnered with the **Gloria Lyn Memorial Fund (GLMF)** and **Two Seasons Guest House in Treasure Beach** to present **The Two Seasons Talking Trees Literary Fiesta on Saturday, May 27**, with workshops held on Sunday, May 28. The partnership is a continuation of the collaboration that was established during the 2015 staging of the Fiesta. The 2016 Fiesta featured acclaimed writer, **Olive Senior**, who shared the stage with the 2015 featured reader, Jamaican Poet Laureate, **Lorna Goodison**. Celebrated dub poet **Mutabaruka** added his special flavour to the line-up of readers, which included **Malachi Smith, Roland Watson-Grant, Margaret Bernal, Ann-Margaret Lim, Yashika Graham and Jean Lowrie-Chin**. **Fabian Thomas’ 10 minute play, *Daddy***, was also staged.

## WORKSHOPS

- The Department of Literatures in English in association with the British Council and BOCAS Lit Fest hosted a very successful writing workshop “**Writing on the Arts**”. The intensive one-week workshop took place between January 9 and 13, 2017, with 11 Caribbean arts workers and culture journalists (5 from Jamaica and the other 6 from the Bahamas, Barbados, Dominica, St Kitts and Nevis and Trinidad and Tobago). The Department thanks the Dean of the Faculty of Humanities and Education for his support.
- A *Speech Writing Seminar Series* with Master Teacher, Professor Edward Baugh was held on 3 consecutive Saturdays: February 25, March 4 and March 11, 2017 in the NELT. The seminars were well supported and participants received certificates of participation.

## BOOK LAUNCHES

Continuing its mandate to introduce the Jamaican public to new books, the DLIE staged 4 book launches during the academic year, as follows:

- Monica Minott’s collection of poems, *Kumina Queen*, on Monday, November 28, 2016 at the Undercroft. The launch speaker was Professor Emeritus Mervyn Morris.
- Shara McCullum’s collection of poems, *Mad Woman*, on Sunday, December 11, 2016 in the Neville Hall Lecture Theatre. Ms Tanya Shirley was guest speaker.
- Ann-Margaret Lim’s *Kingston Buttercup* on Sunday, March 26, 2017 at the Neville Hall Lecture Theatre. The launch speaker was Professor Emeritus Mervyn Morris.
- In association with the National Library of Jamaica, the DLIE launched Mervyn Morris’ collection of poems, *Peelin Orange* on Thursday, April 20, 2017. The book was launched by Professor Emeritus Edward Baugh.

The Department of Literatures in English supported the launch of Poet Laureate Mervyn Morris' anthology of selected poems by Jamaican writers or writers who have lived in Jamaica entitled *In This Breadfruit Kingdom*. Dr. Michael Bucknor was the launch speaker at this event, sponsored by the National Library and Blouse & Skirt Books. Ms Tanya Shirley, Adjunct Lecturer also delivered a special reading. The event was held on May 11, 2017 at the Terra Nova Hotel.

### **March is Literatures in English Month (MLEM):**

- MLEM activities began on Sunday, March 5, 2017 with "Love Affair With Literature 6" featuring prose and poetry readings by Ifeona Fulani, Yashika Graham, Faizal Deen and Roland Watson-Grant at the Neville Hall Lecture Theatre.
- **Dr. Isis Semaj-Hall** coordinated a special *Reggae Talk*, on Sunday, March 26, 2017 featuring guest artiste Orville "Shaggy" Burrell.
- The Department staged a very successful "March is Movie Month at Mona." **Dr. Connor Ryan** co-organized the event with **Dr. Rachel Moseley-Wood**, and by collaborating with CARIMAC and the Department of History and Archaeology, the Department was able to pool resources to offer four screenings on consecutive Fridays, from March 10 to March 31, 2017. The schedule included *Propella*, *Deported*, *Confusion Na Wa* and *Looking for Love*. Each screening was followed by a discussion session.
- The screening of *PROPELLA* was extremely successful, with a record crowd showing up to see the collection of short films. Unfortunately, there was insufficient space in the Neville Hall Lecture Theatre to accommodate everyone. While the large turnout was very gratifying, it also underscored the need for a properly equipped screening theatre on the campus.

### **INTERACTIVE DISCUSSIONS AND OUTREACH TO SCHOOLS**

- **Dr. Rachel Moseley-Wood**, accompanied by two students, English Majors, Mr. Cornel Bogle and Mr Kevhaun Bailey, attended the

Marketing, Recruitment and Communication office outreach visit to Immaculate Conception High School on September 29, 2016. They addressed sixth form students, sharing the value and importance of the programmes offered by the Department and how they help to prepare students for the world of work.

- In keeping with its mandate of supporting the teaching of literatures in English at the high school level, **Dr Michael A. Bucknor** and **Dr Rachel Moseley-Wood** represented the department and the Faculty of Humanities at the annual UWI Mona Western Jamaica Campus Open Day on Thursday January 19, 2017. **Dr Bucknor** conducted two workshops with students on “Preparing for the Short Answer Paper” and **Dr Moseley-Wood** spoke with Guidance Counsellors on opportunities for study in the Faculty of Humanities and Education.
- Olive Senior, internationally acclaimed Jamaican writer and poet, visited the Department and had an interactive session on her poetry collection, *Gardening in the Tropics*, with a cohort of 107 CAPE students on Thursday, February 23, 2017 at the Faculty of Law, UWI Mona. She also engaged 50 CAPE students at the Western Jamaica Campus on Monday, February 27, 2017.
- The annual *CAPE Literatures in English Lecture/Discussion Series* continued this year and was held on Friday, April 7 and Friday April 21 at the Old Library. Three Hundred and Thirty Seven (337) students from 25 schools were in attendance. The presenters included Ms Carolyn Allen, **Dr. Jennifer Brittan**, **Ms Lisa Brown**, **Dr. Michael Bucknor**, **Dr. Norval Edwards**, **Dr. Isis Semaj-Hall**, Ms Caprece McCleary, **Dr. Anthea Morrison**, **Dr. Rachel Moseley-Wood**, **Dr. Connor Ryan** and Ms Tanya Shirley.
- On April 24, 2017, Ms Lisa Brown had an Interactive Session with Merle Grove High School CAPE students on the text *Richard III*. She also had a CSEC Presentation on *Julius Caesar* with St. Georges College students on April 26, 2017.

## STAFF/POSTGRADUATE SEMINAR SERIES

The Department's Staff/Postgraduate Seminar Series featured Ms. Whitney Eaton, MPhil candidate who presented a paper entitled, "Excellent Falsehood: Shakespeare's Manipulation of Colonial Femininity" on Friday, November 18. **Dr. Connor Ryan**, Lecturer, Department of Literatures in English presented a paper titled, "Crime, Urban Crisis, and Nollywood's Melodramatic Imagination" on Friday, November 25 in N3. Ms Alexis Samuels, MPhil Candidate presented a paper entitled, "The Triad of Gender Performances in *Changes and The Aguero Sisters*," On Friday, December 9, in N3. Cornel Bogle, B.A. candidate, presented the paper, "The Spatial Politics of Homosociality in Austin Clarke's *In This City*" on Thursday, April 13. The last presenters, Lucy Evan, University of Leicester and Sharae Deckard, University College Dublin presented, "Form, Market and Politics: An Interactive Workshop on Marlon James' *A Brief History of Seven Killings*" on Monday, June 12.

## PUBLIC ENGAGEMENT AND LINKS WITH OTHER UNIVERSITIES

### Ms Lisa Brown

On December 3, 2016 Ms Lisa Brown conducted a one-day workshop on Creative Writing Short Story for prospective entrants in the JCDC Creative Writing Short Story Festival Competition. The presentation focused on the Nature and Development of Plot in Short Stories. Ms Brown also served as Adjudicator for JCDC Maas Ran Creative Writing Competition Short Story and Poetry Categories from November 16–December 13, 2016. A one page Summary report was submitted for each category. Her March 2017 paper "Lives Outside the Lines: Gender and Genre in the Americas" has been archived at York University's Yorkspace; <https://yorkspace.library.yorku.ca/xmlui/handle/10315/33655>

Ms Brown also attended the 3rd Biennial Conference of the International Autobiography Association Americas Chapter (IAABA) at York University, Toronto, Canada between May 15–17, 2017 and now serves as Steering Committee Member for the IABA World Conference, Brazil 2018 & Host/Convener IABA, Americas Chapter 2019 in preparation for the

UWI, Mona Department of Literatures in English hosting the 2019 Conference of the IABA Americas chapter. This is a multi-lingual, international conference that will bring scholars from the region to Jamaica to discuss issues relating to life writing and identity in the region.

She participated in a mentorship programme for Graduate Students and presented a paper on a panel dedicated to Testimonial Lives Across the Americas entitled: “‘It is good that I write this down:’ Caribbean Life Writing by Danticat, Marshall and Nunez.” In the summer semester Ms. Brown prepared a 3000-word review of the most influential autobiographical texts published from the Anglophone Caribbean for the period July 2016 to August 2017. The review will be published in *Biography: An Interdisciplinary Quarterly* produced from the University of Hawaii at Mānoa.

#### **Dr. Jennifer Brittan**

Dr. Brittan revised and resubmitted an article entitled “Martin R. Delany’s Speculative Fiction and the Nineteenth-Century Economy of Slave Conspiracy” to *ESQ: A Journal of Nineteenth-Century American Literature and Culture*. With regards to her **book project under review (critical edition)** she formalized a collaboration with Dr Peter Hulme, (Emeritus Professor of Univeristy of Essex) on producing a critical edition of James J. O’Kelly’s *The Mambi-Land: Adventures of a Herald Correspondent in Cuba* (1874). Peter Hulme committed to providing a Foreword for the edition, and to providing general editorial assistance. Other draft reviews include, *Sovereign Acts: Performing Race, Space, and Belonging in Panama and the Canal Zone* by Katherine Zien (Rutgers UP, Critical Caribbean Studies series, 2017). Dr Brittan also serves as Coordinator for the Liberal Studies programme, carrying out outreach services and departmental coaching for new students.

#### **Dr. Michael Bucknor**

Dr. Michael Bucknor participated in a Round Table entitled “Cultural Productions and Performances in African Diasporas” at the Harriet Tubman-Faculty of Humanities and Education, UWI Summer Institute

on August 11, 2016. Dr Bucknor participated in the School of Education “Talk the Poem” National Poetry Pedagogy Workshop on Friday November 11, 2016 where he conducted a seminar on “How to Read a Poem.” (Adjunct Lecturer and poet, Ms Tanya Shirley and Professor Emeritus Mervyn Morris also participated in the workshop.) He also delivered the lecture “Femininity and the Performance of Masculinities in Jamaican Popular Culture” at the University of Trento, Italy on November 15, 2016. He was an Actor Boy Judge for the 2016 theatre season and served on the Poet Laureate Committee of the National Library. Dr. Bucknor also attended the IABA (The International Auto/Biography Association (Americas Chapter) conference at York University, Toronto, Canada from May 15 to 17, 2017 and also the “Black Like Who” symposium at the University of Toronto on May 18, 2017. While at McMaster University doing research, Dr. Bucknor met with the Librarian, Vivian Lewis and Professor Daniel Coleman about a possible one week symposium on “Caribbean Diaspora: Literature and Migration” that would be a collaborative event between the Departments of English of University of the West Indies, Mona Campus and McMaster University in Hamilton, Ontario and the Mills Library at McMaster University. This activity represents ongoing work of both institutions to promote both the Louise Bennett and Austin Clarke archives at McMaster University.

### **Professor Carolyn Cooper**

Professor Cooper was a panelist on the Reggae University forums at the Rototom Sunsplash Festival held in Spain, August 11–18, 2016. She also gave a lecture, “Caribbean Literature and Popular Culture” at the Brixton Public Library, London on August 28, hosted by the Pan-Afrikan Society Community Forum. On September 27, 2016 Professor Cooper gave a public lecture, “‘Magic In Kingston Town’: Urban Roots of Creative Jamaica” at New York University’s Institute for Public Knowledge.

### **Dr. Rachel Moseley-Wood**

At the invitation of the Literature Program of the Florida State University (FSU) English Department, Dr. Rachel Moseley-Wood, on April 26, 2017, gave a presentation titled “Showing Us As We Are: Jamaican

Cinema Then and Now, *The Harder They Come* to PROPELLA!" on April 26, 2017 at FSU, Tallahassee. A special screening of *The Harder They Come* at the All Saints Cinema on September 25, co-sponsored by the Tallahassee Film Society, was organized to coincide with the presentation.

**Dr. Connor Ryan**

Dr. Connor Ryan delivered a paper at the 59th Annual Meeting of the African Studies Association in Washington, DC on December 2, 2016. His presentation, entitled "Nollywood and the Multiplex Cinema: Capital, Image and Image Capital," was a contribution to a two-part panel on "Transforming Nollywood: Corporate Interventions." Dr. Ryan also presented a selection of his forthcoming book chapter, "Nollywood and the Making of the Lagos Cityscape," for University Research Days 2017. In June 2017, presented three papers at the Lagos Studies Association Conference held at the University of Lagos on: "Nollywood's Televisual Sense of Space", "Nollywood and the Outposts of Globalization" and, "Nollywood's Youth Struggles: A Review of Paul Ugor's Nollywood". During the summer semester, from June 5 to July 26, 2017, Dr Ryan conducted field research in Lagos, Nigeria on current developments in Nigeria's film industry.

**STAFF MATTERS**

- **Dr. Michael Bucknor** and **Dr. Anthea Morrison** resumed office on August 1, following their Sabbatical Leave in academic year 2015/2016. Dr. Morrison was also appointed Deputy Dean, Graduate Studies and Research for academic year 2016/2017.
- **Dr Jennifer Brittan**, **Dr Isis Semaj-Hall** and **Dr Connor Ryan** were employed as Lecturers in the department, and **Ms Amba Chevannes** and **Ms A-dZiko Simba** were employed as Part-time Lecturers in Semester 2. Ms Chevannes taught Creative Writing: Screen & Stage (LITS2606), and Ms Simba, Creative Writing: Prose Fiction (LITS2604).
- Three (3) students, Kevhaun Bailey, Davia Peddie and Teddense

Thomas were employed as Student Assistants in the department for the academic year.

- **Professor Carolyn Cooper**, Professor of Literary and Cultural Studies, retired with effect October 1, 2016, after 35 years of service to the UWI. She gave excellent and dedicated service to the department and the university during her tenure, and also impacted the wider society, nationally and internationally.
- The Department congratulated Lorna Goodison in her appointment as Jamaica's second official Poet Laureate. She is the first Jamaican woman appointed to the post, and follows Professor Mervyn Morris, who was the first official Poet Laureate of Jamaica. She will serve in the post from May 2017 through to May 2020. Former Writers-in-Residence Dr. Erna Brodber and Dr. Kei Miller also received congratulations on winning the Windham-Campbell Prize and the OCM Bocas Prize, respectively. Former student, Dr. Ishion Hutchinson was commended for winning the 2016 National Book Critics Circle Award for Poetry.

### **Special Awards**

- **Ms Tanya Shirley**, Adjunct Lecturer Creative Writing Poetry, was on May 25th, one of six Jamaicans awarded a Musgrave Medal by the Institute of Jamaica. Ms Shirley was awarded a Silver Musgrave Medal for her contribution to the arts and literature, and is now preparing for her third publication to follow in the success of her previous two works *She Who Sleeps With Bones* and *The Merchant of Feathers*.

### **CONFERENCE PAPERS PRESENTED**

#### **Dr Michael Bucknor**

- Dr. Michael Bucknor delivered the lecture "Femininity and the Performance of Masculinities in Jamaican Popular Culture" at a "Masculinities" Symposium at the University of Trento, Italy on November 15, 2016. At the Trans/Canada Conference at the University

of Toronto, Canada between May 24–27, 2017, he presented the paper “Postcolonial Intimacies and the Black Atlantic: The Cultural Production of Caribbean/Canadian Writing.”

**Dr Isis Semaj-Hall**

- Dr Semaj-Hall presented a paper titled “Caribbean Buzz Feed: Four Ways to Read a ‘Night Woman’” at the 35th Annual West Indian Literature Conference held at the Holiday Inn Resort, Montego Bay, October 6–8, 2016. She also presented a paper at the Global Reggae Conference hosted by the Institute of Caribbean Studies (ICS) titled, “‘Everytime I ‘Ear di Sound: Dancehall Speakers in Jamaican Literature.”

**Dr Anthea Morrison**

- Dr Morrison presented a paper entitled “Cartographies of Remembering in Caryl Phillips’ *The Atlantic Sound*” at the 43rd annual conference of the African Studies Association, hosted this year by Yale University, from June 13–16, 2017.

**Dr Rachel Moseley-Wood**

- Dr Rachel Moseley-Wood presented a paper entitled “Representing History: Narratives of Nation in Anglophone Caribbean Cinema” at the 35th Annual West Indian Literature Conference held at the Holiday Inn Resort, Montego Bay, October 6–8, 2016. She also presented a paper titled “Revising the Narrative of Nation: Doing History in *Womanish Ways*” at the Archaeological Society of Jamaica, 15th Symposium at the University of the West Indies, Mona, on March 8, 2017.

**Dr Connor Ryan**

- Dr. Connor Ryan presented a paper entitled “Media Urbanism as an Archive of a Cityscape” at the 35th Annual West Indian Literature Conference held at the Holiday Inn Resort, Montego Bay, October 6–8, 2016. Dr. Ryan delivered a paper at the 59th Annual Meeting of the African Studies Association in Washington, DC on December 2, 2016. His presentation was entitled “Nollywood and the Multiplex Cinema: Capital, Image and Image Capital.”

### **Staff/Postgraduate Representation**

- **Ms. Alexis Samuels**, MPhil student, presented the paper, “Negotiating the Triad: Traditional and Modern Gender-Performances and Counter Performances in African/Diapora and Caribbean Women’s Fiction” on Thursday, July 27, 2017. Ms. Samuels and PhD Candidate **Mr. Tohru Nakamura** were both selected to participate in the 36th Annual West Indian Literature Conference themed “Affect and Ethical Engagement”, to be held October 4–7, 2017 at the St Augustine Campus. Mr. Nakamura, who will present a paper on “‘Welcome Each Other’: The Politics of Race and Affect in Earl Lovelace’s *Is Just a Movie*” was also nominated to serve as Chairman of the Panel on “Affect and Identity Construction: The Politics of Ethnicity and Cultural Identity in The Caribbean”.

### **PUBLICATIONS**

#### **Dr Michael Bucknor**

- Published a book chapter entitled, “Canada in Black Transnational Studies: Austin Clarke, Affective Affiliations, and the Cross-Border Poetics of Caribbean Canadian Writing” in *Beyond “Understanding Canada”: Transnational Perspectives on Canadian Literature* Eds. Melissa Tanti et al. Edmonton: U of Alberta P, 2017. 51–78.

#### **Dr Anthea Morrison**

- “Olive Senior’s *The Pain Tree*: Tales of Flight and of Belonging” (Book Review Essay). *Caribbean Quarterly* vol. 62, 3–4 (December 2016), pp.478–488.

#### **Dr. Connor Ryan**

- Ryan, C. Film Review of “African Metropolis: Six Stories from African Cities” in *African Studies Review*.

## **PUBLIC SERVICE**

### **Lisa Brown**

- Adjudicator: JCDC Festival Competition Short Story May–June 2017.

### **Dr. Michael Bucknor**

- Senior Editor, *Journal of West Indian Literature* (Regional Refereed Publication)
- Editorial Board Member, *Caribbean Quarterly* (Regional Refereed Publication)
- Member, Board of Readers, *Issues in Critical Investigation*, Vanderbilt University, USA.
- Senior Editorial Advisor, *Lucayos*, College of the Bahamas. (Regional Refereed Publication)
- Actor Boy Judge
- Member of the Poet Laureate Committee of the National Library of Jamaica

### **Dr. Norval Edwards**

- Review Editor, Northern Caribbean University's peer-reviewed journal, *International Review of Humanities*
- Manuscript Reviewer for *Postcolonial Text*, *Journal of West Indian Literature*, *Small Axe* and *Transnational Literature*
- Member, Advisory Board, *Issues in Critical Investigation*, Vanderbilt University, Nashville, Tennessee, USA.

**CATEGORIES OF STUDENTS****Undergraduate 2016–2017**

<b>Majors</b>	<b>Registered (all levels)</b>	<b>Number of Graduates</b>	<b>First Class Honours</b>
Literatures Only Majors	97	14	2
Literatures Combined Majors	16	10	1
Liberal Studies Majors	40	3	0
<b>Total</b>	<b>153</b>	<b>27</b>	<b>3</b>

**Postgraduate (9)**

PhD (2)

MPhil (4)

MA (1)

## DEPARTMENT OF MODERN LANGUAGES AND LITERATURES



Professor Paulette A. Ramsay, PhD *UWI*  
Head of Department

### INTRODUCTION

The Department continued to function/operate in keeping with the broad strategic goals established for 2011–2017 along with other additions (iv and v).

### STRATEGIC OBJECTIVES / GOALS 2016–2017

- (i) Curriculum Strengthening and Review
- (ii) Collaboration with International Partners / Internationalisation of Department
- (iii) Expanding research output and increasing number of graduate students
- (iv) Greater emphasis also placed on: Outreach to the Community
- (v) Research and Publication: Encourage junior staff to publish and conduct research

## **COMMENCEMENT WORKSHOP (2016–2017)**

On August 19th 2016, the Department conducted a one-day workshop to address important matters designed to attain these goals.

Among the matters discussed were:

- (i) Regulation 19 – designed to improve attendance
- (ii) Examination matters – failure rates, etc.
- (iii) Mentoring of Undergraduates
- (iv) Outreach Programmes
- (v) Study Abroad / Exchange Programmes
- (vi) The Status of Graduate Programmes in the Department
- (vii) Teaching on Fridays
- (viii) Academic Advising of Undergraduates and Graduates
- (ix) Research and Publishing and Open Access Journals
- (x) Problems with the co-ordination of courses

## **STAFFING MATTERS**

### **Semester I**

- Dr. Jeffrey Gonzalez joined the Spanish section in June 2016. His expected duties included the teaching of Spanish to Undergraduates and the Coordination of the M.A. in Translation, as well as teaching in this programme.
- Mrs Rona Barnett-Passard unexpectedly requested no-pay leave.
- Two Chinese Volunteers arrived to teach at the Confucius Institute.

### **Semester II**

- Dr. Gonzalez tendered his resignation effective December 31, 2016.
- Mr. Robinson Alvarado arrived in January as the new ICETEX Volunteer, through the bilateral agreement with the Government of Colombia. His arrival was delayed due to Work Permit issues.

## **CHALLENGES**

- Mrs. Rona Barnett-Passard did not return for the commencement of the new academic year and this created serious challenges for the French Section, since Dr Cévaër was not replaced while on Sabbatical. She (Mrs. Barnett-Passard) requested no-pay leave and several part-time persons were identified to fill the teaching slots created by her absence.
- In Semester II, special arrangements were quickly made to cover the challenges created by Dr. Gonzalez' resignation.
- The Graduate Programme Courses in Literature was affected by the Department of Literatures in English's temporary suspension of their taught courses. Even though we were appropriately advised by the HOD, Dr. Michael Bucknor, it still created some difficulty. The problem was solved by initiating, for the very first time, a cross-departmental collaboration with St. Augustine's Department of Modern Languages and Literatures via Zoom. St. Augustine was extremely collegial and supportive and the students enjoyed the course on the Testimonial Novel. Hopefully we will be able to repeat this collaboration, even as we resume that arrangement with the Department of Literatures in English.
- Failure to repair the AC Units in the Language Laboratory severely affected the teaching of language courses. The lab was hot and uncomfortable, the repairs began late and to date, some matters have not been given attention.

## **QAR – ASSESSMENT AND REPORT**

- The Department has finished all actions and activities in response to the QAR Review of the Asian Languages related to:
  - Curriculum – Minors completed for Chinese and Japanese
  - Staffing matters – One (1) new Instructor employed
  - Study Abroad – On-going promotion of Study Abroad
- The QAR Report for Romance Languages will be finalised at Academic Board this June.

**NUMBERS IN THE DEPARTMENT**

<b>PRELIMINARY SPANISH COURSES</b>			
<b>Course Codes</b>	<b>Number of Students enrolled</b>		
	<b>Semester I</b>	<b>Semester II</b>	<b>TOTAL</b>
SPAN0101/Beginner's	178 + 25 WJC* (7 groups)	79 (3 groups)	<b>282</b>
SPAN1000/Intermediate	80 (4 groups)	77 + 8 WJC* (4 groups)	<b>165</b>

\* WJC = UWI Mona Western Jamaica Campus

**TOTAL PRELIMINARY SPANISH COURSES → 282 + 165 = 447**

<b>HOSPITALITY SPANISH COURSES</b>			
<b>Course Codes</b>	<b>Number of Students enrolled</b>		
	<b>Semester I</b>	<b>Semester II</b>	<b>TOTAL</b>
SPAN 2008	26	–	<b>26</b>
SPAN 2108	–	29	<b>29</b>

**TOTAL HOSPITALITY SPANISH COURSES → 26 + 29 = 55**

<b>SPANISH LEVELS I, II AND III</b>	
Level I Language = 130	Level I Literature = 41
Level II Language = 42	Level II Literature = 10
Level III Language = 61	Level III Literature = 29
<b>TOTAL = 233</b>	<b>TOTAL = 80</b>

**SPANISH COURSES → GRAND TOTAL = 447 + 55 + 233 + 80 = 815**

## Department of Modern Languages and Literatures

PRELIMINARY FRENCH COURSES			
Course Codes	Number of Students enrolled		
	Semester I	Semester II	TOTAL
FREN0001/Basic			95
FREN0101/Beginner's			117
FREN1000/Intermediate			100

**TOTAL PRELIMINARY FRENCH COURSES → 95 + 117 + 100 = 312**

FRENCH LEVELS I, II AND III	
Level I Language = 55	Level I Literature = 26
Level II Language = 28	Level II Literature = 17
Level III Language = 32	Level III Literature = 7
<b>TOTAL = 115</b>	<b>TOTAL = 50</b>

**FRENCH COURSES → GRAND TOTAL = 312 + 115 + 50 = 477**

The numbers indicate that literature consistently has lower numbers than language. Several strategies are being devised to improve the numbers in literature. Similarly, there is need for more students, especially in French to move into Levels I, II and II from the Intermediate Courses.

PRELIMINARY PORTUGUESE PROGRAMMES		
Course Codes	Number of Students enrolled	TOTAL
PORTO 0101/Beginner's	45	45

JAPANESE LEVELS I, II AND III	
Level I Language = 109	
Level II Language = 55	Level II Japanese History Course = 16
Level III Language = 29	
<b>TOTAL = 193</b>	<b>TOTAL = 16</b>

CHINESE LEVELS I, II AND III	
Level I Language = 105 + 18 (WJC) = 123	
Level II Language = 42	Level II Chinese Culture Course = 19
Level III Language = 22	
<b>TOTAL = 187</b>	<b>TOTAL = 19</b>

**GRAND TOTAL → ALL LANGUAGE COURSES = 1,720**

The numbers indicate that literature consistently has lower numbers than language courses, even though these numbers continue to improve. Several strategies are being devised to continue improving the numbers in literature.

## **SPECIAL EVENTS**

### **Spanish Language Immersion Trip to Cuba**

A group of students and two members of Academic staff will be participating in a Spanish Language Immersion/Cultural Programme from June 2–June 16, 2017, as part of an exchange between the University of Guantanamo, Cuba and the Department of Modern Languages & Literatures.

### **Graduate Research Seminars**

In response to requests from a number of Graduate Students, the Department with the assistance of Research Assistant, Miss Dejon Lingo, arranged a number of special seminars for our Graduate Students. These were aimed at responding to some of the questions that some students still have regarding their theses. These seminars were facilitated by a number of lecturers – Dr. Marie-José N'zengou-Tayo and Dr. Nina Bruni. Students expressed positive comments about the Seminars. Topics discussed included:

- (i) “The Literature Review” – Thursday, March 9 from 5–7 p.m. – Postgraduate Learning Commons (PGLC) Seminar Room, Main Library. Facilitators – Dr. Marie-José N’zengou-Tayo and Dr. Nina Bruni.
- (ii) “Information Literacy” including Database Searching, Plagiarism and Endnote – Wednesday, March 22 from 5:00–7:00 p.m. – Postgraduate Learning Commons (PGLC) Computer Lab, Main Library. Facilitator – Mrs. Frances Salmon.

### **Distinguished Lecture**

On April 12, 2017, the Department established a Distinguished Lecture series in honour of two past members of the Departments of French and Spanish respectively. The special Guest Speaker was Dr. Elizabeth Wilson who spoke very engagingly on the topic: “Literature and Activism, Literature as Activism: Case Studies from Caribbean Women’s Writing in French.” The event was well attended by persons from inside and outside of the campus and also included the participation of Undergraduate students from the Department of Modern Languages and Literatures.

### **Book Launch – *Dewdrop* by Dr. Courtney Hogarth**

On the 23rd of March 2017 at 6:30 p.m., the Department launched the debut book *Dewdrop* of Dr. Courtney Hogarth in the Multifunctional Room, Main Library. Guest Speaker, Dr. Velma Pollard launched the book and Professor Paulette Ramsay chaired the event that was well attended and commended by those in attendance.

### **Japan Foundation Visit**

The Department received and facilitated representatives of the Japan Foundation who conducted workshops on difficult grammatical areas with students in January in the Language laboratory in late January. Their contribution is highly appreciated.

**Book Launch – Professor Paulette Ramsay’s book: *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation* (UWI, 2016)**

The Department of Modern Languages & Literatures launched Professor Paulette Ramsay’s book: *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation*, in collaboration with the Embassy of Mexico and the UWI Press, on Friday, October 14th, 2016. The launch was well-attended and well-received by those in attendance.

**Symposium on Afro-Mexico (October 2016)**

The Department of Modern Languages & Literatures in collaboration with the Embassy of Mexico hosted a Symposium on Afro-Mexico on October 14th, 2016 in N1. Father Glyn-Jemmott-Nelson, Dr. María Elisa Velázquez Gutiérrez, President, International Scientific Committee of the Slave Route Project, UNESCO and Mr. Pedro Sergio Peñalosa Perez, President of México Negro were specially invited guest speakers for the Symposium.

**Afro-Mexican Photographic Exhibition (Month of October 2016)**

The Department mounted a Photographic Exhibition on Afro-Mexico from October 14th–October 30th in the Main Library and N1 respectively. The Photographic Exhibition was officially launched by the Mexican Ambassador, H.E. Martha Cecilia Jaber on October 14 and the Exhibition ran until the end of October.

**SPECIAL VISITS**

**Visit of Team from University of Guantanamo, Cuba**

Dr. Eliezer Brooks visited the Department for two weeks in September 2016. Dr. Brooks spoke to students and investigated the possibility of collaboration with the Department.

Following the signing of an MOU for students and faculty exchange with the International Students’ Office (ISO), Dr. Eliezer Brooks, Dr.

Gilberto Ramirez and Dr. Alberto Biggerstaff, Lecturers from the University of Guantanamo, Cuba, were invited by the International Students' Office to visit the UWI in February for two weeks, through a Special Collaboration between the International Students' Office and the Office of Students' Services regarding the development of a student mobility programme and other joint projects. They participated in Spanish Conversation classes and visited with different persons in the Sports Section, ISO and the Department of MLL.

**Representative from the Organisation of American States (OAS)  
Visit to the UWI**

Professor Paulette Ramsay met with the OAS Region Representative, Mrs. Jeanelle van GlaanenWeygel, on Thursday, May 4 at 11:00 am to discuss future collaborations with the Department.

**Visit with Counsellor from Embassy of Japan**

Visit of Mr. Shinichi Yamanaka from the Embassy of Japan to discuss the Japanese Language Programme on Thursday, May 4 at 2:00 pm.

**ANNUAL EVENTS**

**Modern Languages and Literatures Day – Thursday, March 23, 2017**

This was supported by more than thirty-five (35) High Schools and four (4) Prep and Primary schools. Three hundred and fifty students (350) were in attendance at the event. Members of the Diplomatic Corps provided the usual support with representatives from the Embassy of the Dominican Republic and the Embassy of Japan participating by delivery of words. Activities included: CXC practice sessions, Salsa demonstrations, Prep School Children's Corner, French/Spanish/Chinese Online Games, Chinese Calligraphy demonstrations, Spanish Sing Along and a Mega Concert that showcased the foreign language talents of our UWI students across the five languages (Chinese, French, Japanese, Portuguese, Spanish) being offered in the Department.

The event was very successful. The Department also received financial support in the amount of JMD\$700,000 from the Culture, Health, Arts, Sports and Education (CHASE) Fund to offset costs for the event.

### **Final Year Sensitization – Tuesday, November 15, 2016**

This has been established in the last 6 years through the instrumentality of Dr. Lindy Jones. This year's programme was entitled "Final Year Sensitization: My Next Move". Topics presented to students included Graduate Studies and You, Graduate Scholarships – Study Abroad Programmes, Job Opportunities, Foreign Service and the Graduate Student Experience. Presentations were done by persons from different areas of the University such as Ms. Hermine Tyrell from the International Students' Office.

### **Staff / Student Liaison Meeting**

This is usually done towards the end of the semester. There was one for each semester.

1. Students praised Lecturers' / Instructors' delivery across most courses. They also spoke favourably of some Lecturers' / Instructors' availability and helpfulness.
2. Students across the Department expressed dissatisfaction with a number of matters:
  - i. Some headphones in the labs that do not function.
  - ii. Classes that begin at 8 o'clock present difficulties for the students who live off-campus.
  - iii. Students in some Spanish Language Courses complained about the heavy workload in their courses and the frequency of testing.

All of these matters will be addressed in our July 2017 retreat.

### **CAPE Foreign Languages Workshop – Saturday, April 8, 2017**

The Department of Modern Languages and Literatures held its annual

CAPE Workshop on 8th April 2017. Fifty-six Sixth-form students from eleven schools across the island participated. The Department is seriously using this as a dual-purpose project – important outreach/drive for recruiting new students.

**Staff/Post-Graduate Seminar Series**

**Friday, November 11, 2016 – 4:00 p.m.**

Chinese Director of the Confucius Institute: Dr. Yu Wansuo – “Topic-marking Words and Discourse Interpretation in the Teaching of Reading Comprehension.”

**Friday, November 25, 2016 – 4:00 p.m.**

M.Phil. Spanish student: Mr. Aldean Ellis – “Resistance or Revolution: A Critical Analysis of Marronage in Selected Poems by the Afro-Cuban Poet, Jesús Cos Causse.”

**Thursday, February 2, 2017 – 4:00 p.m.**

M.Phil. French student: Ms. Dejon Lingo – “Listening: The Cinderella Skill”

**Friday, February 17, 2017 – 4:00 p.m.**

Head of Department: Professor Paulette Ramsay – “Verbal Mutiny: Cultural Identity, Memory, Formation and Resistance in *Ramillete pacífico* by the Afro-Columbian Angela Castro Garcés.”

**Thursday, March 2, 2017 – 4:00 p.m.**

M.Phil. Spanish student: Mr. Darrelstan Ferguson – “Of Resistance and Transgression in the Dramatic Works of Gerardo Fullea León.”

**Mexican Film Series**

The Department’s collaboration with the Mexican Embassy continued with the resumption of the Mexican Film Series which ran from February 27–March 7, 2017 in the Multifunctional Room, Main Library.

Monday, February 27, 2017 – **En el ombligo del cielo**

Tuesday, February 28, 2017 – **Burros**

Thursday, March 2, 2017 – **Café**

Monday, March 6, 2017 – **Ramona**

Tuesday, March 7, 2017 – **El Comienzo del tiempo**

The Department thanks the Mexican Embassy for its commitment to the cultural series.

### **Alliance Française Film Series**

The Department's collaboration with the Embassy of France and the Alliance Française resumed with a Film Festival in March.

### **SPECIAL ACHIEVEMENTS**

- Dr. Paulette Ramsay, Senior Lecturer and Head in the Department of Modern Languages & Literatures, Faculty of Humanities & Education, was promoted to the rank of Professor in March 2017 for her academic accomplishments and contribution to her field.
- Ms. Trudy-Paule Khan (M.A. Translation Studies student) was granted a remote internship with the UN Regional Centre for Peace, Disarmament and Development (UNRILEC), based in Peru. The internship (translation from Spanish into English) will run from May 1–October 30, 2017. This is the first time a UWI student will be pursuing a translation internship with this organisation.

### **SPECIAL COLLABORATIONS AND ACTIVITIES**

#### **Professor Paulette Ramsay**

- was invited to participate in the first Conference on islands and their literatures entitled, "The Tower at the End of the World" held by The Nordic House in the Faroe Islands, May 11–15. She was one of twelve scholars invited from island regions of the world to present on

island literature. She presented on a Cuban poet and compared aspects of his writing to that of Caribbean Nobel Laureate Derek Walcott.

- was invited to present a lecture on Afro-Mexico and her groundbreaking book: *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation* at the Sonja Haynes Stone Center for Black Culture and History at the University of North Carolina, Chapel Hill in North Carolina. April 19–21, 2017.
- was invited to speak on Afro-Mexico and her recently-published book: *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation* at the Translators' and Interpreters' Association (TIA) of Jamaica Quarterly Meeting on Friday, March 31.
- represented the Department at the Annual *Agence Universitaire de la Francophonie* (AUF) – Association of French Departments in the Caribbean Conference in Santo Domingo from March 19–22.
- was invited to be a panellist at the Seminar to Commemorate Fifty Years of Mexico — Jamaica Diplomatic Relations in October 2016 at the Regional Headquarters, UWI Mona Campus. She presented a paper on “Afro-Mexico in the Context of the Caribbean”.
- The Department of Modern Languages and Literatures in collaboration with the UWI Bookshop, hosted a Book Signing at the UWI Bookshop on April 6, 2017 for Professor Paulette Ramsay's latest anthology of poems entitled: *Star Apple Blue and Avocado Green* (2016) with Ian Randle Publishers.

**The 5th MoU Conference: “UN Language Professionals Today and Tomorrow”** took place on April 20–21, 2017 at the United Nations Headquarters, NY. The Department was represented by Ms. Sandra Hamilton.

The Fifth MoU Conference brought together UN language professionals and universities, members of the MoU network as well as invited observers, including the University of the West Indies. Conference participants were also given presentations of the tools used by UN language professionals, including hands-on demonstrations in small

groups. The Secretariat is to provide UWI with information on how to become a member of the network and other possibilities for partnership.

On January 19, 2017, our students received a presentation from a team of language professionals from the Economic Commission for Latin America and the Caribbean (ECLAC) and the United Nations Office in New York on the content of and application process for Language Competitive Examinations (LCE) for Language Professionals of the United Nations, ahead of an LCE that was scheduled for April 2017. ECLAC made initial contact with UWI through Ms. Sally Shaw, Chief, English Unit, Publications and Web Services Division at ECLAC who led the presentation, accompanied by other colleagues including Amirh Venner (alumna of UWI, Mona) of ECLAC and Janine Lissandre (alumna of UWI, St. Augustine) of UN headquarters. There were about 20 attendees at UWI, Mona, one of whom actually sat the exam in April.

## **INTERPRETATION AND TRANSLATION SERVICES**

The Department offers interpretation and translation services to the public at a fee. Some of our clients include:

- Agrocælum Ltd.
- The Development Bank of Jamaica
- AG CHEM Plant Ltd.
- Island Routes Caribbean Adventure Tours
- British Council
- PAHO
- Registrar General's Department

Services include interpreting and translating at conferences and other official functions as well as birth certificates, transcripts, scientific and other documents.

## PUBLICATIONS

### Professor Paulette Ramsay

#### Books

- *Star Apple Blue and Avocado Green: Poems by Paulette A. Ramsay*. Ian Randle Publishers, 2016.
- *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation*. UWI Press, 2016.

#### Articles and Reviews

- “Routes and Roots: Solomon’s Grandpa did go to Ecuador: Representations of Jamaican Migration to Ecuador in Luz Argentina Chiriboga’s *La nariz del Diablo*.” *PALARA (Publication of the Afro-Latin American Research Association)*. 20 (Fall 2016): 74–89. Print.
- Review: *Oshun’s Daughters: The Search for Womanhood in the Americas*. Vanessa K. Valdés. *Caribbean Journal of Education*. 38:1 (2016). 130–133. Print.
- Commissioned Book Chapter: Volume IX of the *General History of Africa*. “African Communities in Mexico”. Ed. Hilary Beckles. UNESCO Project.

### Dr Nina Bruni

- Critical Appendix: “De la duda a la liberación: Apócrifo de Judas Izcarote”. Apéndice crítico a la novela “Apócrifo de Judas Izcarote” (Ensayos). San Juan, Puerto Rico/Santo Domingo, República Dominicana: Isla Negra Editores, 2017. 9–14.
- Foreword to the novel: *Apócrifo de Judas Izcarote* by Jit Manuel Castillo de la Cruz. 2a ed. San Juan, Puerto Rico: Editorial Isla Negra, 2017. 7–9.
- “Integración y cultura en América Latina y el Caribe: perspectivas desde el Caribe anglófono.” *Historia comparada de las Américas: perspectivas de la integración cultural*. Coord. Liliana Weinberg.

Centro de Investigaciones sobre América Latina y el Caribe, Universidad Nacional Autónoma de México; Comité de Historia Cultural y Comisión de Historia del Instituto Panamericano de Geografía e Historia (IPGH México), México, 2016. 461–484.

**Dr. Marie-José Nzengou-Tayo**

- Review of Celucien L. Joseph and Nixon S. Cléophat. *Vodou in Haitian Memory: The Idea and Representation of Vodou in Haitian Imagination*. Lanham: Lexington Books, 2016. 228 pages.
- Bibliography. Index. *Journal of Caribbean History*. Vol. 50, No. 2. Special Issue Commemorating the 150th Anniversary of the 1865 Morant Bay Rebellion, Jamaica. Kingston: Department of History. The UWI Press, 2016, pp. 225–228.

**Dr. Courtney Hogarth**

- Publication – *Dewdrop*. Arawak Publications, Kingston Jamaica (2016)

**Conferences**

- The Asian Conference on Arts and Humanities, Kobe, Japan, March – April, 2017. Paper: ‘Kofi Kayiga – The Construction of an Identity’. Organized by the International Academic Forum.
- Inaugural Meeting of Caribbean Confucius Institutes, Cave Hill Campus, Barbados, The University of the West Indies. Paper: Summary of Achievements of the Confucius Institute, Mona. (May 2017)
- Panel Chair: “Integrating Chinese Learning and vocational training, boosting local social and economic development.” (Invited)

**Dr. Yu Wansuo**

- Research article: “Negative Effects of the Chinese Cultural Aphasia on the Cultivation of English Majors’ Intercultural Communicative Competence and their Contributing Factors and Solutions”. *Journal of North University of China*, (Social Science Edition) Vol. 32 No. 4, 2016, pp: 93–96.

**Dr. Teresa Villoria Nolla**

**Conferences**

- Villoria Nolla, Maite, "Working toward Autonomy in Second Language Acquisition: Shifting Roles, Learning to Learn, and Learning by Doing at UWI," MLA Convention: Boundaries of Cultures, Philadelphia, January 4–7 2017.

**PUBLIC SERVICE**

**Professor Paulette Ramsay**

- CAPE Modern Languages Examining Committee – Spanish
- Member of JAMCOPY Committee Board

**Dr. Marie-José Nzengou-Tayo**

- Member of the Selection Panel. Interviews of Candidates for the French Assistantship Programme. Shortwood Teacher's College. January, 2017.
- External Examiner for French Literature course for Shortwood Teachers' College.
- Examiner for DELF/DALF Oral and Written examinations at the Alliance Française de la Jamaïque.
- Judge. Vocabulary Competition organized by the Jamaica Association of French Teachers (JAFT), St. Andrew High School, June 2, 2017.

**PROFESSIONAL DEVELOPMENT**

**Dr. Marie-José Nzengou-Tayo**

- Online Training. TEF Examiner. Chambre de Commerce de Paris – Alliance Française. (October 2016–May 2017)
- Online Training. PROZ Translator. Webinars
- Contribution to Consultancy Fund (2015–2016): JMD 48,406.31

## **AWARDS AND HONOURS**

The Department received a Certificate of Commendation from the Government of Japan for its role in promoting Japanese culture and language. The presentation was made by the Ambassador, His Excellency Masanori Nakano, at a special function on July 16, 2017.

### **Professor Paulette A. Ramsay**

- Principal's Research Award for Best Book – *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation*. January 2017.
- Distinguished Alumni Award 2017, Rusea's High School (alma mater).

## **GRADUATE STUDENTS**

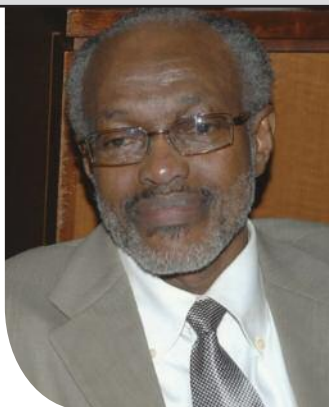
In total, there are eight (8) M.Phil. students, eleven (11) M.A. students and two (2) students enrolled in the Ph.D. programme.

## **EQUIPMENT ACQUISITION**

The Department has acquired the following for the period 2012–2016:

- a Language Learning system including a new PC and audio and recording equipment in the Nippon Room at the Language Lab (JICA Donation)
- two laptops
- two projectors
- a binding machine
- a new projector screen in the Nippon Room (JICA Donation)
- a shredder.

## SCHOOL OF EDUCATION



**Professor Stafford Griffith, BA *UG*, MEd *UG*, PhD *UWI*, LL.B *Lond*  
Director**

### OVERVIEW

The repositioning of the School of Education (SOE) continued in the academic year 2016/2017. Specifically there was an emphasis on curriculum renewal, active pursuit of multi-modal delivery of courses and programmes, efforts to increase research and publications output and measures for the strategic recruitment and deployment of staff to support the development and change defined in the repositioning plan of the School.

The SOE Advisory Board that was established had two meetings during the 2016/2017 academic year. This meeting updated the Advisory Board members on the activities of the SOE and provided information on the progress of the Caribbean Centre for Educational Planning (CCEP) and the proposed Doctorate of Education, the B.Ed. 66-credit Multimodal Programme and the updated Practicum.

## TEACHING AND LEARNING

The School of Education recruited two lecturers, one for Mathematics Education; and the other for Science Instruction. The SOE produced a document titled *Guidance for a Cohesive Approach to the Development of Courses and Programmes*. This short, three-page document is intended to provide a common orientation to the design and development of courses and programmes at both graduate and undergraduate levels in the SOE.

One member of faculty was elevated to the position of senior lecturer.

Table 1 provides a summary of the number of students who were awarded First Class Honours, Second Class Honours and Pass Degrees for 2016–2017 in the Bachelor of Education programme.

**Table 1:** Bachelor of Education Awards 2016–2017

First Class Honours	Second Class Honours		Pass	Total
	Upper	Lower		
4	15	22	5	46

In 2016/2017, 110 student completed the requirements for award of the Master of Education/Master of Arts degree – Nineteen (19) students completed Part 1 of the MA in Teaching and 4 completed Part 2 during the year under review.

At the Faculty Awards Ceremony held on November 3, 2016 the Madge Hall Prize was awarded to Anodia Bell for the most outstanding performance in Level I of the B.Ed. 90 credit programme. The SOE prize for most outstanding academic performance in Level II was awarded to Oral Llewellyn while the Professor Aubrey Phillips Prize for the most outstanding academic performance in the final year was awarded to Jade Tingling. The Professor John Figueroa prize for the most outstanding academic performance in the Postgraduate Diploma in Education was awarded to Nicolía Nelson.

## **STRENGTHENING NATIONAL ENGAGEMENT AND INTERNATIONAL COLLABORATION**

The School of Education invited the Minister of Education, Youth and Information to the School in December 2016 to share the projects and initiatives being executed by the SOE. A briefing booklet of Projects and Special Initiatives being undertaken by the SOE in support of the Ministry of Education and schools in Jamaica was prepared for the Minister's visit.

The School of Education and the Jamaican Ministry of Education collaborated in staging the Grade 9 Mathematics Problem-Solving competition which was held on Thursday April 6, 2017. The purpose of the Problem Solving Competition was to help Grade Nine students develop the problem solving skills they need to function effectively in society. Students from over forty high and junior high schools across Jamaica participated in the competition. Three schools were awarded: Meadowbrook High School placed first, Ardenne High School came in second and Jamaica College placed third.

The Mixed Methods Research Conference was held from March 15 to 17, 2017 at the Iberostar Rose Hall Suites Hotel, Montego Bay. The keynote speakers were internationally renowned mixed methods researchers: Professor John Creswell, Professor Jennifer Greene and Professor Anthony Onwuegbuzie. The conference aimed to facilitate reflection and visionary discourse on the theoretical and practical evolution of mixed methods research as a tool for societal development. The conference also provided coaching sessions for doctoral students who were able to meet with experts in the field of MMR and discuss their research.

The School of Education, in partnership with the Ministry of Education, Youth and Information; the University of Technology, Jamaica; the HEART Trust/NTA; UNESCO (Kingston Cluster and Paris offices); Inter American Development Bank (IADB), British Council and PETROTRIN, hosted the event at the Hilton Rose Hall Resort and Spa in Montego Bay, from May 10 to 12, 2017. The conference theme was *TVET for Sustainable Regional Development*.

The recently approved Caribbean Centre for Educational Planning (CCEP) was launched in Barbados in June 2017 as part of a UNESCO/IIEP Educational Planning workshop. It was decided to have the Centre's launch during this workshop to convey the Centre's commitment to providing educational planning services across the Caribbean. UNESCO, IIEP and the CDB pledged their support for the newly established Centre.

The 2017 UWI Schools of Education Biennial Conference was held from June 20–23, 2017 the theme of *Envisioning Future Education: Cross-disciplinary Synergy, Imperatives and Perspectives*. The Conference was held at the Hilton Rose Hall Resort and Spa, Montego Bay. The theme of the conference was *Envisioning Future Education: Cross-disciplinary Synergy, Imperatives and Perspectives*.

## PROJECTS AND AWARDS

The Research Days activities provided an opportunity to raise the profile of the SOE. The School showcased quite a large range of displays in the Village. In addition, the Research Days publications highlighted the School's accomplishments. The publication titled "Research for Development 2017" highlighted the work of Dr. Paulette Feraria in using technology to support teaching and learning improvement, particularly in English. The work of Dr. Marcia Rainford, Dr. Sharon Bramwell-Lalor and Mr. Miguel Ison in improving science assessment in schools was also highlighted. Dr. Saran Stewart's research work on conditions underlying extra lessons was also featured. The SOE, therefore, had three research activities cited for the Faculty of Humanities and Education.

In addition, the SOE received five Principal's Awards which were, presented at the special Awards Ceremony to mark the end of Research Days. Our accomplishments in this respect are well documented in the publication "Recognizing Outstanding Researchers 2017".

## PUBLICATIONS UNIT

The Publications Unit progressed with making the SOE's journals available online. The Unit also continued to market and sell its publications, notably at the UWI Research Days and at local symposia and conferences.

## UPGRADING EFFORTS

Significant efforts have been made to increase the capacity and technological resources and enhance the aesthetics of the SOE. New computers were procured and deployed to areas of greatest need. We are continuing our efforts to obtain additional computers to improve the efficiency of work in the SOE. Smartboards have also been procured for classrooms and classrooms have been upgraded to facilitate the delivery of lectures via videoconferencing.

## PAPERS PRESENTED

- **Anderson, S.** (2017, March). The Impact of Parental Involvement on the Cognitive and Social Skills of Grade One Students Attending Inner City Schools. The Second Mixed Methods International Research Association Conference in the Caribbean, – Looking Backwards and Forward: the Evolution of Mixed Methods Research Communities
- **Anderson, S.** (2017, May). *The Effects of Integrating Conflict Resolution in Mathematics Classes*. Annual American Educational Research Association (AERA) conference held in San Antonio, Texas, USA.
- **Berry, C.** (2016). Lecturers' Pedagogic Beliefs on the Educational Value of Videos, International Council on Education For Teaching (ICET) Conference, July 18–21, 2016
- **Berry, C.** (2016). *Performance of Jamaican CSEC Information Technology Students: Post Syllabus Revision (2010–2014)*
- **Bramwell-Lalor, S., & Rainford, M.** (2016). Advanced level biology teachers' attitudes towards assessment and their engagement in assessment for learning. *European Journal of Science and Mathematics Education*, 4(3), 380–396.

- **Bramwell-Lalor, S.**, Rainford, M., & Ison, M. (2017). *Enhancing science teacher development through authentic learning experiences*. The UWI Mona Research Days 2017: Driving Development through Research and Innovation. pp. 5
- **Bramwell-Lalor, S.**, & Rainford, M. (2016, July). *Assessment for learning: An investigation into biology teachers' assessment views and practices*. Paper presented at the International Council on Education for teaching ICET); 60th World Assembly, Kingston, Jamaica. pp. 8.
- **Bramwell-Lalor, S.**, & Rainford, M. & Ison, M. (2017, April). *Pre-service science teachers' conceptions of teaching: Reflections on the field experience and their collaborations with cooperating teachers*. Paper presented at the Caribbean Science Education and Technology Conference, Kingston, Jamaica.
- **Cook, L.**, Moore, S., Haynes-Brown, T. McCalla, R., Thwaites, K., Thomas, O., Weaver, L., Williams, C., Weaver, S., Waller, L., & McCarthy, A. (2017). *Methodological Review of Mixed Methods Studies in the Caribbean*. The Second Mixed Methods International Research Association Regional Conference in the Caribbean, The University of the West Indies, Mona (March 15–17, 2017) (Presenter Ms. Olivene Thomas).
- **Cook, L.** & Jennings Craig, Z. (June 20–23, 2017). *Social Class and Gender differences in Jamaican Secondary School Students' Value of Education*. Biennial Conference on Education (The University of the West Indies, School of Education, Mona) (pp.1–22).
- **Cook, L.** & Lipps, G. (June 20–23, 2017). *INSIGHTS in Jamaica Programme: Evaluating a Behaviour Management Programme*. Biennial Conference on Education (The University of the West Indies, School of Education, Mona) (pp.1–35).
- **Davis-Morrison, V.** & Lambert, C. (2017, March). Exploring the State of Health and Family Life Education in the Jamaican Teachers Colleges through Mixed Methods. Mixed Methods Conference, Jamaica.
- **Feraria, P.J.**, (2017, June). "The Montage: Re-defining Print Rich

- Environments for Second Language Learners.” Lilly Conference. Hyatt Regency Hotel. Bethesda Maryland.
- **Feraria, P.J.** (2017, June). *The Radio Active Classroom: A Cross-disciplinary innovation for future university-based curriculum enterprising.* Schools of Education, The University of the West Indies, Biennial Conference. Hilton Rose Hall Hotel, Montego Bay Jamaica. June 21–23. 2017.
  - **Feraria, P.J.** & McCallum D. Roundtable Presentation: “*The School of Education Internal Professional Development Series: Fostering and Modelling Professional Growth from Within in Response to the Imperatives of Future Education*” Schools of Education, The University of the West Indies, Biennial Conference. Hilton Rose Hall Hotel, Montego Bay Jamaica. June 21–23. 2017.
  - **Ferguson, T.** & Chevannes, P. (2017). The change from within programme in Jamaica – supporting leadership development in schools, supporting sustainable development. International Conference on Educational Leadership and Management, March 2–3, 2017, Kingston, Jamaica.
  - **Griffith, S.A.** (2017). Responsiveness to TVET at the Secondary Level in the Caribbean: Assessing a Decade of CXC CSEC Subject Entries. Paper presented at Third International Conference on TVET in the Caribbean: TVET for Sustainable Regional Development, Hilton Rose Hall Resort & Spa, Montego Bay, Jamaica, May 10–12, pp. 30.
  - **Griffith, S.A.** (2017). Voices from the Field: Stakeholder Views of the CXC CAPE Science and ICT Syllabuses in Preparing Caribbean Students for their Probable Destinations. Paper presented at 2017 Biennial Schools of Education Conference, Hilton Rose Hall Resort & Spa, Montego Bay, Jamaica, June 20–23, pp. 30.
  - **Griffith, S.A.** (2017). The Critical Contributions of the School of Education, Mona, to Jamaica and the rest of the Caribbean. Presentation at a round table/panel discussion at the 2017 Biennial Schools of Education Conference, Hilton Rose Hall Resort & Spa, Montego Bay, Jamaica, June 20–23, pp. 10.

- **Hordatt Gentles, C.,** & Davis-Morrison. *The Usefulness of Mixed Methods Research for investigating a culturally sensitive topic.* Mixed Methods Research Regional Conference in the Caribbean. Looking Backward & Forward: The Evolution of Mixed Methods Research Communities. Iberostar, Montego Bay. March 15–17, 2016.
- **Hordatt Gentles, C.,** & Davis-Morrison. V. *Jamaican Teacher Educators' View on the Role of Teacher education in facilitating Inclusion of LGBT Students* Beyond Homophobia: Centering LGBT Experiences in the Caribbean. University of the West Indies, Mona, Jamaica. January 26–28, 2017.
- **Hordatt-Gentles, C.,** Ferguson, T., Bramwell-Lalor, S., Roofe-Bowen, C., & Davis-Morrison, V. (2017) Changing Institutional Cultures through Education for Sustainable Development Initiations: 2000 and Beyond. SOE Biennial Conference. June 20–23 2017. Hilton Rose Hall Resort & Spa. Montego-Bay Jamaica.
- **Hordatt-Gentles, C.,** & Davis-Morrison, V. (2017). Exploring Possibilities for Inclusion of LGBT Students in Jamaica Teacher Education; religiosity, Respectability and Resistance. SOE Biennial Conference. June 20–23 2017. Hilton Rose Hall Resort & Spa. Montego-Bay Jamaica.
- **Hutton, D.** (2017). Leadership model for effective school leadership. Conference theme: Envisioning Future Education: Cross-disciplinary Synergy, Imperatives and Perspectives, June 20–23, 2017. Hilton Rose Hall Resort & Spa, Montego Bay, Jamaica.
- **Hutton, D.** (2017). School constituents' ratings of the performance dimensions of male and female high-performing principals. Conference theme: *Educational leadership for sustainability: current realities, future possibilities.* International Conference on Educational Leadership and Management delivered by the Institute for Educational Administration and Leadership, Jamaica (IEAL-J), March 23, 2017, Kingston, Jamaica
- **Ison, M.** & Bramwell-Lalor, S. (2017). *Students' perceptions on science investigations: A preliminary study.* The University of the West Indies, School of Education, Biennial Conference, (2017, June). Envisioning

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- **Kinkead-Clark, Z.** (2017, July). Engaging parents as partners in early literacy development. Presentation at Annual Early Childhood Conference, East Tennessee State University, Kingsport, Tennessee.
- **Kinkead-Clark, Z.** (2017, July). Supporting Local Needs and Meeting Global Dictates: Global Influences on Jamaica's Early Childhood Policies. Presentation at the 2017 UWI Schools of Education, Biennial Conference, Montego-Bay, Jamaica.
- **Kinkead-Clark, Z.** (2017, May). *Early childhood education for sustainable development (16 pages.)* Keynote address presented at the Second Biennial Early Childhood Development Conference, Belize City, Belize.
- **Kinkead-Clark, Z.** (2016, November). *"Acting up in the classroom". Teachers' linking childhood trauma to behavioural challenges in the early childhood classroom. (13 pages).* Paper presented at Caribbean Child Research Conference. Mandeville; Jamaica.
- **Kinkead-Clark, Z.** (2016, October). *Supporting children's' transitions from pre-primary to primary school; A collaborative approach.* Presentation at Saint Lucia Country Conference, Gros Islet; St. Lucia.
- **Lambert, C. & Davis-Morrison, V.** (2017) *Exploring the state of Health and Family Life Education in Jamaican Teachers Colleges through a Mixed Methods Approach.* Presented at the 2nd Mixed Methods International Research Association Regional Conference. Montego Bay, Jamaica.
- **Lewis-Fokum, Y., Kennedy, M., & Kouwenberg, S.** (2016, December). *The Professional Development of Primary School Teachers Project in Jamaica: Pockets of Change and Resistance.* Paper presented at the meeting of the Literacy Research Association 66th Annual Conference, Nashville, USA.
- **Lewis-Fokum, Y., Kennedy, M., Kouwenberg, S.** (2016, November). *The Professional Development of Primary School Teachers Initiative: One way forward!* Paper presented at the meeting of the Biennial International Conference on Urban Education, Puerto Rico.

- **McCallum, D.,** & Davis-Morrison, V. (2017). Building Bridges and Mending Disciplinary Fences in History, Social Studies and Geography Education. A Case Study of the Revision of One Course. SOE Biennial Conference. June 20–23 2017. Hilton Rose Hall Resort & Spa. Montego-Bay Jamaica.
- **Moore, S.** (2017). “Grown up Digital: Writing Development of Creole-Influenced Adult Learners within a Virtual Learning Environment.” The UWI Schools of Education Biennial Conference, Montego Bay, June 20–23, 2017.
- **Mundle, O.** (2017). Drum talk: the experiences of high school drummers in drumming ensembles. *The School of Education Biennial Conference*. The University of the West Indies, Mona. June 2017
- **Newman, M., Berry, C., Bramwell-Lalor, S., Moore, S.,** McCarthy-Curvin, A., Lambert, C. (2017). *Do teachers transfer MOOC learning to classroom practice? Results from an online survey of a teacher development activity*. SOE Biennial Conference, June 20–23, 2017 – Montego Bay, St. James
- **Newman, M.** (2017, June 29) *From classroom teacher to college lecturer: Initial findings from photo- elicited interviews exploring how novice college lecturers in Jamaica understand and describe their role as teacher educators*. Paper presented at the ICET 61st World Assembly 2017 International Council on Education for Teaching Conference, Masaryck University Brno, Czech Republic
- Hordatt Gentles, C., **Newman, M.,** Down, L., Collins-Figueroa, M (2017 June 22) *How Beginning Teachers in Jamaica develop and modify their concepts of professionalism and professional practice*. Paper presented at the ICET 61st World Assembly 2017 International Council on Education for Teaching Conference, Masaryck University Brno, Czech Republic
- **Rainford, M. & Figueroa, M.** (2017, April 12). *What do Jamaican Primary Students Think about Learning Science?* Paper presented at the Caribbean Science Education and Technology Conference. Kingston, Jamaica.

- **Rainford, M.** (2017, June, 22). *Teachers' Sense of Efficacy before and after the Practicum: A Comparison of Participants from Blended and Face-to-Face teacher certification programmes*. Paper presented at The University of the West Indies SOE Biennial Conference. Montego Bay, Jamaica.
- **Newman, M., Lewis-Fokum, Y., Roofe, C.** Watch Your Language: How TVET Professionals Represent TVET through Discourse. Paper presented at the third International Conference on TVET in the Caribbean. Held May 10–12, 2017. pp. 15
- **Roofe, C.** Knowledge Mobilization in Student Teacher Development. Paper presented at symposium of the American Educational Research Association (AERA) conference April 30, 2017 held at the Convention Centre San Antonio, Texas April 27–May 1, 2017. pp. 25
- **Roofe, C.** The Internationalization of Curriculum Studies: Preparing Teachers in Jamaica as Agents of Nationalism. Paper presented at the American Association for the Advancement of Curriculum Studies held April 24–27, 2017 at the University of San Antonio, Texas. pp.20
- **Roofe, C.** Returning to forgotten Ideologies: Exploring the Teachings of an Indigenous Jamaican Philosopher. Paper presented at the American Association for the Advancement of Curriculum Studies held April 24–27, 2017 at the University of San Antonio, Texas. pp.15
- **Roofe, C.** and Fuller, K., Torrence, D., McNae, R., Arshad, R. Exploring the Experiences of Women in School Leadership from a Social Justice Perspective at the international conference on Educational Leadership and Management held March 2–3, 2017 at the Knutsford Court Hotel Kingston, Jamaica. pp. 15
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- **Roofe, C.** (2016). Managing Change: Striving for Excellence. Special presentation made at the Jamaica Independent School Association Annual General Meeting September 29, 2016. pp16

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- Ferguson, T., Lalor, S., **Roofe, C.**, Gentles, C. The Change from Within Programme in Jamaica: Utilising Circles for Conflict Resolution in Schools. Paper presented at the Third UNESCO Forum on Global Citizenship Education held March 8–10, 2017 in Ottawa, Canada. pp.10
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- **Roofe, C.** & Cook, L. (2016). Co-operating Teachers, School Placement and the Implications for Teacher Quality. Paper presented at the International Council on Education and Teaching held July 18–21 at the Jamaica Pegasus Hotel, Kingston.
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- **Roofe, C.** (2016). Paper presented at the *American Educational Research Association* conference 2016 entitled *Why can't everyone pass? Purposeful curriculum practices inside a Jamaican Classroom*. Conference was held April 11, 2016 at the Washington DC conference Centre, Washington DC USA. pp. 20
- **Spencer, A.** (2016, August). Bibac International Conference. Cambridge University, July 30–August 1, 2016. 2nd International Conference on 'Building Interdisciplinary Bridges Across Cultures'. 'Embodying the Word': Spoken Word Poetry and the (Intercultural) English Classroom.
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  - **Spencer-Ernandez, J. J.** (2016, November). *An Analysis of Students' Errors in Mathematics on the Wide Range Achievement Test*. Paper presented at the Regional Workshop to Develop a Framework of Action and Results on Mathematics Education, Caribbean Development Bank, Barbados
  - **Spencer-Ernandez, J.** (2016, October). *Using Assessment Data to Drive Instruction*. UWI School of Education Early Childhood Education Project Staff Development Workshop, Kingston, Jamaica.
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  - **Stewart, S.** (2017, June). Navigating power and privilege in higher education from a plantation politics lens (pp. 1–8). In F. Tuitt (Chair), *Reframing Racial Equity: Plantation Politics and the Contemporary University*. Symposium conducted at the meeting of the National Conference on Race and Ethnicity in American Higher Education, Fort Worth, TX, USA.
  - **Stewart, S.** (2017, March). Structure and overview of supporting chief diversity officers in the Netherlands (pp. 1–4). F. Tuitt (Chair) *Success through Leadership and Advocacy in the Netherlands: The Emergence of the CDO Position in an International Context*. Symposium conducted at the meeting of the 2017 National Association of Diversity Officers in Higher Education conference, Washington, DC, USA.
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  - **Stewart, S.** (2016, November). *Call for institutional action: Bridging the gap between access and persistence in higher education in the Caribbean* (pp. 1–21). Paper presented at the meeting of the 41st Association for the Study of Higher Education, Columbus, Ohio, USA.
  - Kennedy, D., & **Stewart, S.** (2016, July). *Structural segregation, disproportionate representation and disabling assumptions in special education: A black educator's narrative* (pp. 1–21). Paper presented at the meeting of the 60th Annual International Council on Education for Teaching, Kingston, Jamaica.
  - **Thompson, C. S.** (2016). An exploration of faculty involvement in and attitudes towards, strategic planning in their institutions. New Orleans, October 22.
- \_\_\_\_\_. (2017). Leadership strategies for turning around underperforming schools: The experience of two Jamaican schools. *Institute for Educational Administration and Leadership*. Kingston, March 3.
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- \_\_\_\_\_. (2017). Students' perspectives on listening and its relationship to their perceptions of leadership: Exploring dimensions of ethics of care and sustainable development". *Schools of Education Biennial Conference*. Montego Bay, June 22.

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- **Anderson, S. & Cole, S.** (2017). The Relationship between Adolescent Aggression, Parenting Style and Family Structure in Urban Inner City Jamaica. *Journal of Education Development in the Caribbean*. 16(2), 2–19.
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- **Feraria, P. J.** (2016, December). Engendering Curriculum Pedagogy for Alternative Pathways to Secondary Education in Jamaica. The Caribbean Teaching Scholar: Education Research for Best Practice, Best Policy. Vol. 6 : 81–99.
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- **Griffith, S.A.** (2017). Lessons from CXC for Caribbean higher education institutions. *Quality Assurance in Education*, 25 (2).
- **Griffith, S.A.** (2017). Reforming a national university to meet the development needs of a smaller developing country: Lessons from the international community. *International Journal of Higher Education and Sustainability*.
- **Hutton, D.M.** (2017). School Constituents' Rating of the Performance Dimensions of Male and Female High Performing Principals *Journal of Teacher Education and Educators (JTEE)*, Vol 6, No. 1, 69–88
- **Hutton, D.M.** (2016). Education from Emancipation to The Morant Bay Rebellion: Some Lessons for Today's Jamaica, *Jamaica Journal*, Vol 36, No. 3, 56–63

- **Hutton, D.M.** (2016). Gender Differences of School Constituents and their Ratings of the Performance Dimensions of High Performing Principals, *Power and Education*, Vol. 8, No. 3, 237–250.
- **Hutton, D. M. & Dixon, R.** (2016). Technical and Vocational Education and Training (TVET) and its Integration into General Education, *Caribbean Curriculum*, Vol. 24, 100–126.
- **Hutton, D. M.** (2016). Critical Factors Explaining the Leadership Performance of High-performing Principals. *International Journal of Leadership in Education Theory and Practice*, 1–21. <http://www.tandfonline.com/doi/pdf/10.1080/13603124.2016.1142118>
- **Dixon, R. & Hutton, D.M.** (2016). STEM and TVET in the Caribbean: A Framework for Integration at the Primary, Secondary and Tertiary Levels, *Caribbean Curriculum*, Vol. 24, 1–26
- **Hutton, D. M.** (2016). The Rating of High Performing Principals' Performance on their Leadership Dimensions by Senior Administrators, Middle Managers and Classroom Teachers, *Research in Comparative and International Education*, Vol. 11, No. 2, 194–207. <http://rci.sagepub.com/content/11/2/194.full.pdf?ijkey=TzBHDQQs6PrCzs9&keytype=finite>
- **Hutton, D. M.** (2012). (published 2016), Special Issue: School Constituents' Ratings of the Performance Dimensions of High Performing Principals Based on School Types. *Journal of Education and Development in the Caribbean (JEDC)*, Vol. 14, No. 2, 97–114
- **Kinkead-Clark, Z.** (2017). “Early readers’ perceptions of the value of literacy in their lives “. *Texas Journal of Literacy*. 5(1), 57–70.
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  - **Lewis-Fokum, Y.**, & Colvin, C. (2017). Tracing the Discourses of Accountability and Equity: The Case of the Grade 4 Literacy Test in Jamaica. *Changing English*, 24(1), 11–23.
  - **Morris, Halden** (2017) Strategies to Incorporate STEM in TVET Education. *Journal of Education and Development in the Caribbean* 16(1)
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  - **Roofe, C. G., & Cook, L. D.** (2017). Co-operating Teachers, School Placement and the Implications for Quality. *Australian Journal of Teacher Education*, 42(6). Retrieved from <http://ro.ecu.edu.au/ajte/vol42/iss6/3>
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  - Haynes, C., **Stewart, S.**, Allen, E. (2016). Three paths, one struggle: Black women and girls battling invisibility in U.S. classroom. *The Journal of Negro Education*, 85(3), 380–391.
  - **Stewart, S.** & Kennedy, D. (2016). Speaking from the margins: Recounting the experiences of a special educator and his culturally and linguistically diverse students. *Wisconsin English Journal*, 58(2), 176–188.

- **Thompson, C. S.,** Burke, T., King, K., Wong, S. (2017). Leadership strategies for turning around underperforming schools: Lessons from two Jamaican schools. *Journal of Education and Development in the Caribbean*, 16 (2).
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- \_\_\_\_\_. C.S. (2017). Preparing Caribbean teachers for the 21st century: Whither the place of ethics. *Journal of Teacher Education and Educational Leadership*.

#### **JOURNAL ISSUE EDITED**

- Kinkead-Clark, Z. Guest Editor, *Early Child Development and Care*. Special Caribbean Edition “Quality ECED; A Caribbean priority” 2016–2017 .
- Morris, Halden A. (2017) STEM Education in TVET: Imperative to National and Regional Development. Editor, *Journal of Education and Development in the Caribbean* 16(1).
- Scafe, Suzanne and Aisha Spencer (Guest Editors). 2016. *Journal of Short Fiction in Theory and Practice*, Vol. 6 Number 1, Bristol: Intellect Ltd.

#### **Books**

- **Anderson, S.** (2017) Jamaica in M. Wehmyer & J. Patton (Eds.), *Praeger International Handbook of Special Education*. (pp. 32–42). Santa Barbara, CA: Praeger <http://www.abc-clio.com/ABC-CLIOCorporate/product.aspx?pc=A4262C>
- **In** “M.L. Wehmeyer & J.R. Patton (Eds.)”, *The Praeger International Handbook of Special Education, Volume 1: The Americas – New York*

(pp. 32–42). Santa Barbara, CA: Praeger (Chapter on Jamaica in press for publication in June 2017. *The Praeger International Handbook of Special Education* presents a concise and clear overview of special education services in more than 70 countries across the world using the Article on Education in the United Nations Convention on the Rights of Persons with disabilities as the analytical frame.

- **Hutton, D. M.** (2017). Introduction. In D. M. Hutton & B. Johnson (Eds.), *Leadership for success: the Jamaican school experience* (pp. 1–8). Kingston, Jamaica: UWI Press

### Book Chapters

- Edwards-Kerr, D., & **Spencer-Ernandez, J.** (2017). Inclusive Education, In Z. Craig and D. Edwards-Kerr (Eds.), *Issues in Education in the Commonwealth Caribbean* (57–76). Kingston: Ian Randle Publishers
- **Hordatt Gentles, C.,** & Newman, M., Educating Teacher Educators: Towards a Curriculum for Preparing and Developing Teacher Educators in the Caribbean. In Maria Assuncao Flores & T. Al Barwani (Eds.), (2016) *Redefining teacher education for the 21st century: Global Challenges and Best Practices* . Chapter XII. Nova.
- **Hutton, D. M.** (2017). Introduction. In D. M. Hutton & B. Johnson (Eds.), *Leadership for success: the Jamaican school experience* (pp. 1–8). Kingston, Jamaica: UWI Press.
- **Hutton, D. M.** (2017). Leadership Role in Education Transformation. In D. M. Hutton & B. Johnson (Eds.), *Leadership for success: the Jamaican school experience* (pp. 9–22). Kingston, Jamaica: UWI Press.
- **Hutton, D. M.** & Johnson, B. (2017). Issues of Importance: Analysis, Reflection and Action. In D. M. Hutton & B. Johnson (Eds.), *Leadership for success: the Jamaican school experience* (pp. 228–245). Kingston, Jamaica: UWI Press.
- **Hutton, D. M.** (2017). Strengthening Structures and Systems for Successful School Leadership in Jamaica. In D. M. Hutton & B. Johnson (Eds.), *Leadership for success: the Jamaican school experience* (pp. 246–262). Kingston, Jamaica: UWI Press.

- **Hutton, D. M.** (2017) Caribbean Perspectives: Practicing Successful and Effective School leadership. In P. Pashiardis and O. Johansson (Eds.), *Successful School Leadership: International Perspectives* (pp. 165–177). London, UK: Bloomsbury Academic
- **Thomas, E., & Moore, S.** (2017). "Considering stakeholders' voices: Transforming delivery modalities for inclusivity and sustainability of a graduate teacher certification programme." *ICT-Supported Innovations in Small Countries and Developing Regions: Perspectives and Recommendations for International Education*. Series Editors: J. Michael Spector, M. J. Bishop, and Dirk Ifenthaler).
- **Roofe, C., Bezzina, and Holness, M.** (2017). Social Justice and the Teacher Preparation Curriculum: A Cross Cultural Analysis. In C. Roofe and C. Bezzina, *Intercultural Studies in Curriculum: Theory, Policy and Practice* (pp. 17–41). Basingstoke, UK Palgrave MacMillan
- **Roofe, C. and Bezzina, C.** (2017). The Emerging Curriculum Agenda. In C. Roofe and Bezzina, *Intercultural Studies in Curriculum: Theory, Policy and Practice* (pp. 250–275). Basingstoke, UK Palgrave MacMillan
- **Torrance, D., McNae, R., Fuller, K., Roofe, C., Arshad, R.** (2016). A social justice perspective on women in educational leadership In P. Miller, *Cultures of Educational leadership: Global and intercultural perspectives* (pp. 25–52). Basingstoke, UK Palgrave MacMillan.
- **Roofe, C. and Bezzina, C.** (Eds). (2017). Introductory chapter in *Intercultural Studies in Curriculum: Theory, Policy and Practice* (pp. 3–11). Basingstoke, UK Palgrave MacMillan
- **Patton, L., Haynes, C., Stewart, S., & Ivery, S.** (2017). Enhancing classroom learning environments for students of color. In J. Jackson (Ed.), *Advancing equity and diversity in student affairs: A festschrift in honor of Melvin C. Terrell* (pp. 149–165). North Carolina: Information Age Publishing, Inc

### Abstract for Book Chapter

**Moore, S.** (2017). "Grown up Digital: Writing Development of Creole-

Influenced Adult Learners within a Virtual Learning Environment”. Response to Call for Papers for Edited Book Volume: ***Creole Composition: Academic Writing and Rhetoric in the Anglophone Caribbean***. Series Editors: Vivette Milson-Whyte, Raymond Oenbring, and Brianne Jaquette.

### **Non-Refereed Research-Based Scholarly Publication**

- **Hordatt Gentles, C.**, (Ed.) *ICET 60th Yearbook of Teacher Education*. (2016). School of Education, UWI. Mona.
- **Davis-Morrison, V. & Lambert, C.** (2016). Rapid Assessment of Health and Family Life Programme in Teachers College; Fieldwork Report (pp. 62) Ministry of Education Guidance and Counseling Unit.
- **Ferguson, T.** (2017) Education for sustainable development to engender societal change: Innovative initiatives by a School of Education at a regional higher education institution. Presented at The University of the West Indies Research Day, February 1–3. Kingston, Jamaica.
- Carby, B., **Ferguson, T.**, Maiyaki, Z., & Steele, S.(2017) An exploration of disaster management planning and preparedness for persons with disabilities in Jamaica. Presented at The University of the West Indies Research Day, February 1–3. Kingston, Jamaica.
- **Ferguson, T.** & Bramwell-Lalor, S. (2016) Climate change education for sustainable development: Curricula development and capacity-building initiatives of the School of Education of The University of the West Indies. Presented at the Intergovernmental Panel on Climate Change and Ministry of Economic Growth and Job Creation Outreach Event, November 29–December 1. Kingston, Jamaica.
- **Ferguson, T.** & Bramwell-Lalor, S. (2016) Climate change education for sustainable development in the School of Education of The University of the West Indies: Technical assistance and support. Presented at the Intergovernmental Panel on Climate Change and Ministry of Economic Growth and Job Creation Outreach Event, November 29–December 1. Kingston, Jamaica.

- **Lambert, C.** (2016). Viewing Aspiring Literacy Education Researchers' Journey through Electronic Learning Logs. In G. Chamblee & L. Langub (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2016* (pp. 706–711). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- **Lambert, C.** (2017). *Legacy of Literacy: Passport to the World*, Keynote Address to Jamaica Reading Association. Sweet Sop: Magazine of the Jamaica Reading Association. pp. 4–7
- Bramwell-Lalor, S.; **Rainford, M.** & Ison, M. (2017). Enhancing Science Teacher Development through Authentic Learning Experiences. In J. Cheesman (Ed.), *Research for Development 2017* (17–19). Kingston: Mona Office for Research and Innovation.
- **Spencer, A.**, (2016). *Dancing in the Rain by John Lyons*. (<http://www.anansesem.com/2016/12/book-review-dancing-in-rain-by-john.html>)
- **Spencer-Ernandez, J.**, (2017) Framework for Action on Mathematics Education (FAME) in the Caribbean. *The Caribbean Development Bank* (26 pages)
- **Spencer-Ernandez, J.**, (2016). Report on the consultative meeting for special needs teacher educators from Barbados, Belize, Dominica, Guyana, Jamaica and Trinidad & Tobago. *Commonwealth of Learning* (28 pages)

### Book Reviews in Journals

- **Ferguson, T.** (2017) Review of Lowan-Trudeau, G. From bricolage to métissage: Rethinking intercultural approaches to indigenous environmental education and research. *Australian Journal of Environmental Education*. Advance online publication: doi: <https://doi.org/10.1017/ae.2017.10>
- **Ferguson, T.** (2017) Review of McCaulay, D. Gone to drift. *Caribbean Quarterly*, 63(1), 155–157.
- **Stewart, S.** (2016, November 30). [Review of the book *Child advocacy and early childhood education policies in the Caribbean* by

Ilene Berson and Michael Berson]. *Teachers College Record (Columbia University)*. ID Number: 21752. Retrieved from <http://www.crecord.org.du.idm.oclc.org>

## Poster

- **Stewart, S.& Stephenson, N.** (2017, April). *Harvesting the Sun's Energy, Learning by Doing: Increasing Undergraduate Students' Confidence, Motivation and Knowledge Gains*. Poster presented at the 2017 American Education Research Association Annual Meeting, San Antonio, TX, USA.

## Technical Reports

- **Griffith, S. A.** (2016). *Beta Test of CAPE Biology, CAPE Physics and CAPE Chemistry to Inform Syllabus Finalization by the Caribbean Examinations Council*, pp. 227.
- **Griffith, S. A.** (2016). *Needs Assessment to Inform Syllabus Revision for CAPE Computer Science and CAPE Information Technology by the Caribbean Examinations Council*, pp. 124.

## Field Report

- **Davis-Morrison, V. & Lambert, C.** (2016). Rapid Assessment of Health and Family Life Programme in Teachers College; Field Report (pp.62) Ministry of Education Guidance and Counseling Unit.

## PUBLIC SERVICE

### Dr. Susan Anderson

- Member, National College for Educational Leadership
- Member, WERA group (sub-group of AERA);
- Member, American Psychological Association;
- Coordinator and group member for project: Dealing with violence and aggression in the classroom: model for Papine High School;

- Coordinator Summer camp for at-risk youth – Papine High School students;
- Member, Board of Management, the Sir John Golding Institute;
- External Examiner, JBTE (Special Education);
- Member, Schoolwide Positive Intervention and Support Committee (McCam);
- Coordinated offering of manual communication to university community as well as service clubs in an effort to foster greater awareness and sensitivity between non-disabled students and students with hearing disabilities;

**Dr. Sharon Bramwell Lalor**

- Examiner, Caribbean Examinations Council (CXC) – CAPE Biology
- Journal article reviewer, CBE – *Life Sciences Education*
- Journal article reviewer, *Educational Research*
- Member – Mixed Methods International Research Association (MMIRA)

**Dr. Camella Buddo**

- Served on the Mathematics Consortium Committee, Ministry of Education, Youth & Information.

**Dr. Loraine Cook**

- Member of Operation Save Jamaica Board
- Advisor to Operation Restoration Christian School
- External Examiner for University of Technology (UTech)
- Organized workshop for teachers from Operation Restoration Christian School, October 2016.

**Mrs. Vileitha Davis-Morrison**

- Awareness raising workshops: How to Answer CSEC Social Studies Questions on Caribbean Integration – Grade 11 Students at St. Catherine High (April 19, 2017).

- Social Studies/ History Field trip Workshop on Tourism for Teachers Preparing Students for SBA – participated in activities to guide the formulation of research questions, collection and analyzing data Feb.16, 2017. Ministry of Education Core Curriculum Unit.

**Dr. Paulette Feraria**

- Produced and hosted The Radio Active Classroom on News Talk 93 FM, Saturdays 2:00 p.m.–3:00 p.m. The programme engaged schools and the general public in debates, discussions on matters of national interest that impact schooling, teaching and learning and social and national development. May 2016–present.
- Produced and hosted The UWI English Olympiad on News Talk 93 FM, Sundays 3:00 p.m.–5:00 p.m. The programme co-hosted by Anthony Perry engaged schools and the general public as well as listeners on Newstalk.com in matters related to English proficiency and use, language identity and schooling and best practices in English Language teaching and learning. May 2016–Present

**Dr. Therese Ferguson**

- Programme Leader, Change from Within – an intervention to address violence and antisocial behaviours in schools.
- Contributor to Education Matters Forum in the *Jamaica Observer*, December 2016 and February 2017.
- Judge, Scientific Research Council Oratory Competition, February 2017.

**Dr. Carol Hordatt Gentles**

- Member of University of Technology FELS Undergraduate Advisory Board
- Member of JTA Professional Conference 2017 Program Committee
- Hordatt Gentles, C. *Workshop – Educators as Researchers: Connecting the dots in 21st century classrooms*. JTA Professional Conference. Connecting the dots in 21st century classrooms. Hilton Rose Hall Hotel, Montego Bay. April 19, 2017

- Professional Development Workshop. *Differentiated Instruction*. Westwood High School. August 26, 2016
- Guest Speaker, Teachers' Day May 2017: St Andrew's High School. *The Challenges of being a teacher*.

**Professor Stafford Griffith**

- Chairman/Team Leader of the Technical Advisory Committee of the Caribbean Examinations Council for the January and May/June sittings of examinations which include CAPE, CSEC, CCSLC and CPEA.
- Member, Senior Policy and Management Group (SPMG), Minister of Education, Jamaica.

**Dr. Disraeli Hutton**

- National Council on Education (NCE) University of the West Indies Representative
- Public Lecture – Main Presenter at the 8th Public Lecture on – 'The Jamaican high-performing principal: Evidence of effective school leadership'. Institute of Educational Administration and Leadership, Jamaica (IEAL-J). University of Technology, Jamaica, February 23, 2017

**Dr. Zoyah Kinkead-Clark**

- Chair of the Training of Trainers Early Childhood Workshop. 2016 - present
- The National Early Childhood Development Oversight Committee: 2017
- The Early Childhood Commission Board; Training and Human Resource Sub-Committee 2016–present

**Dr. Clement Lambert**

- Member CONFINTEA VI Sub-Regional Planning Committee follow-up meeting for the Caribbean.

- Presenter on behalf of Civil Society CONFINTEA VI Sub-Regional Planning Committee follow-up meeting for the Caribbean. Paper title “Progress and Challenges in Implementing the Belem Framework for Action in the Caribbean.
- Chair –Technical Programme Committee of the Seventh Media and Information Literacy and Intercultural Dialogue Conference “**Media and Information Literacy: Re-imagining Ways of Learning in Information Environments.** 24–27 October 2017, in Kingston, Jamaica.
- Participant, Edith Dalton James High Reading Week activities.

**Dr. Dian McCallum**

- McCallum, D. Invited Guest Speaker for Sixth Form School Leaving Ceremony at Holy Childhood High School. Theme of Ceremony: ‘*Achieving Excellence through God’s Grace*’. (2017, April 6)
- SOE Representation on Ministry of Education, Youth and Information, Proficiency Pathway Committee (2017, January–June)
- Chief Examiner for Cape History face to face Marking Exercise and e-marking of E-SBA (2016, June/July/August).
- Member of Paper Setting Team for CAPE History 2018 Examination. (2017, June).

**Mrs. Avalloy-McCarthy-Curvin**

- Chair of the University of Technology M.Sc. Mathematics Board

**Ms. Schontal Moore**

- Chief Examiner for CAPE Literatures in English [2016–2018]
- Panel Reviewer for CAPE Literatures in English Syllabus [for 2018 – 2023]
- Coordinator for *Talk the Poem National Poetry Recitation* Project [2015–present] 4.MOOC – ITEN/SOE Panel Member: Massive Open Online Course (MOOC) by The Inter-American Teacher Education

- Network (ITEN) and The School of Education, UWI – Researcher and Working Group
- Member (January, 2016–Present)

**Professor Halden Morris**

- Council Member, National Council on TVET (NCTVET)
- Member, National Qualifications Framework Committee
- Member, Jamaica Bureau of Standards – Electrical Practices Committee
- Member, Caribbean Knowledge and Learning Network (CKLN) *Advisory Committee*
- Guest Speaker: University of Technology, Jamaica Graduate Students Conference (May 25, 2017)
- Seminar Presentation: Technical writing for Engineers. Presented to Dairies Industries (May 21, 2017)
- Team Member: *UTech Septennial Review*
- Public Lecture: Technical and Vocational Education and Training in the Caribbean: Retrospects and Prospects. UWI Regional Headquarters, Mona. (March 7, 2017)
- Member: IEEE Jamaica Section
- Chair: Education Society – IEEE Jamaica Section

**Dr. O’Neal Mundle**

- Trainer of Music Trainers and General Teachers: National Standards Curriculum. Ministry of Education. Jamaica

**Dr. Mairette Newman**

- Member of the Board of Management, Campion College
- Member, Caribbean Examinations Council (CXC) National Committee

**Dr. Marcia Rainford**

- Member of the steering committee for “Improving Innovation Capacity in the Caribbean (INVOCAB) Project”. The project is

managed by the Scientific Research Council and funded by the European Union.

**Dr. Carmel Roofe**

- Conference Chair for the planning and hosting of the second international conference on educational leadership and management. The conference was held March 2–3, 2017 under the theme *Educational Leadership for Sustainability: Current Realities and Future Possibilities*. Conference being held at the Knutsford Court Hotel, Kingston Jamaica.
- Representative on the Ministry of Education’s Curriculum Quality Assurance Committee, January 2017–present
- Participated as advisor during Curriculum implementation retreat with members of the Core Curriculum Development Unit within the Ministry of Education Youth and Information January 18–19, 2017. Retreat was held at the Medallion Hall Hotel Kingston
- Participated in special consultation session with Assistant Chief Education Officer for Curriculum Development in the Core Curriculum Unit of the Ministry of Education Youth and Information November 29, 2016

**Dr. Aisha Spencer**

- **McGrath High School, September 2016.** Interactive Session on Response-based Learning in the Literature Classroom. Conducting tests and creating lessons for research on how to improve student responses in the Literature Classroom. (Still in progress).
- **Change From Within Principals’ Workshop on Teaching Methodologies (Use of the Arts), January 2017** – Workshop session on “The Transforming Power of Poetry” (pp. 1–15)
- **Wolmers Trust High School for Girls, January 2017** – “The Benefits of Reading Poetry Aloud”: Understanding Talk the Poem (pp.1–5)
- **The Cedar Grove Academy, February 2017** – “How to Connect with a Poem”, (pp.1–10)

- **Talk the Poem All-Island Poetry Workshop, November 11, 2016** – “Moments with Poetry: Power, Possibility and the Poem” (pp. 1–22)
- **JCDC, December 2016** – Full Day Seminar on Learning the Art of Editing a Written Creative Piece (pp.1–39)
- **St. Georges College, April 2017** – CXC Workshop session on “What Happens when Things Fall Apart” (pp.1–45)

**Dr. Joan Spencer-Ernandez**

- Appointed by the Minister of Education, Youth and Information to sit on the Board of the HEART Trust (February 2016–March 2017)
- Chairman of the Board of the Trench Town Polytechnic College (2016–Present)
- Chairman of the National Literacy Steering Committee which has been given oversight on matters concerning policy and programme development and implementation in literacy development. (March 2014–Present)
- Deputy Chairman of the Board of Boys’ Town All Age School (2014–Present)

**Dr. Saran Stewart**

- Lead Researcher, [policy paper in preparation] for the Honourable, Minister of Education, titled *Meeting the Demands for Vision 2030: Developing a Framework and Appropriate Methodologies for All Jamaican Youth, Ages 0–8*. Paper presented to the Minister of Education during his visit to the School of Education, December 2016.
- Founding Member, Teach. Learn. Love. Jamaica 2015–Present
- Global Access to Postsecondary Education (GAPS)
- Ambassador Hague, The Netherlands 2015–Present
- Board Member, MRC Family School Board of Directors 2015–Present
- Donor/Contributor/Workshop Presenter, Jonathan Grant High School, Jamaica, 2014–Present

**Dr. Aldrin Sweeney**

- Board of Governors, Montserrat Community College

**Dr. Canute Thompson**

- Staged public forum on “Re-imagining Jamaica’s Justice System”.  
Forum held under the auspices of the Caribbean Leadership  
Re-Imagination Initiative

# FACULTY OF LAW



# FACULTY OF LAW

## Mona

Year ending July 31, 2017



**DR. LEIGHTON JACKSON**

**LLB UWI, LLM Sydney., D.JUR Barry, Osgoode**

**Dean**

# – *Dean’s Overview* –

## **HIGHLIGHTS OF THE WORK OF THE DEPARTMENT**

The first Dean appointed in the Faculty of Law at Mona, Dr Derrick McKoy, passed the baton to his successor, Dr Leighton Jackson, at the end of the 2016/2017 academic year. This is an important time in the history of the Faculty as work continues to be done to build on the foundation set more than 40 years ago when Mona functioned as a “feeder” to the LLB programme at Cave Hill.

The Faculty hosted its Third Annual Weekend Symposium on Law, Governance and Society under the theme “Security and Justice: Global Priorities” from June 9–11, 2017. Papers presented at the 2 previous symposia were published in the *Journal of Law, Governance and Society* which was launched on June 9, 2017.

## **TEACHING, LEARNING, STUDENT DEVELOPMENT AND ACHIEVEMENT**

299 students were welcomed into the Faculty for the 2016/2017 academic year, with 29 of these students completing year one at the Western Jamaica Campus. During the year, the Faculty continued to identify and implement strategies aimed at improving the students’ experience and equipping them to perform at their optimum. These initiatives included providing additional tutoring and revision sessions for students who

were identified as being 'at-risk'. The graduation class of 2017 comprised 110 females and 35 males. Of these 145 students, 38 were awarded the LLB with First Class Honours.

In an effort to provide greater support for students, the Faculty sanctioned the award of Mona Law Bursaries valued at approximately twenty-nine million dollars during 2016/2017.

The Faculty continued to work closely with the executive body of the Mona Law Society (Law Faculty students' association) to effect changes in the best interest of the students and to ensure the best opportunity is created to produce a well-rounded graduate. From this partnership, a breakfast programme was implemented; funds were raised for a needy student fund through various initiatives such as an OpenEar Concert, the hosting of a drama production by Mr and Ms Law 2016 and other activities. The students lounge was equipped with a microwave and refrigerator, in response to the students' requests.

The Faculty prepared teams to participate in international and regional mooted competitions. This initiative started under the leadership of the former Dean and has continued. This exposure allows for greater exposure and development of the team members and wider recognition for the University. In 2016/2017 the Faculty participated in the Frankfurt Investment Arbitration Mooting Competition with a team of students (Dexter Mears, Samuel Bailey and Ashley Innis) coached by Mrs Caprice McFarlane-Morrison. The team performed well placing 5th out of 38 teams. The Team also received awards for Best Latin American/Caribbean Team with a cash prize of 500 Euros; Best non-OECD (Organisation for Economic Co-operation and Development) team; Both Ashley Innis and Samuel Bailey were nominated for "Best Orator" of the competition. The team was also given an exclusive invitation to a cross examination workshop for finalists.

A second team comprising of 2 First Year students and 1 Final Year student as the resource persons – Benjamin Fraser, Tahir Thompson and Shajoe Lake (Researcher) – represented the Faculty and University at the Caribbean Court of Justice (CCJ) Mooting Competition. The team

successfully competed mainly with Third Year students from other Campuses and also graduates in training for certification by the Council of Legal Education. Overall, the MonaLaw team placed 3rd in the competition. The team was coached by Drs Emir Crowne and Jason Haynes.

## NATIONAL, REGIONAL AND INTERNATIONAL ENGAGEMENT

### Papers Presented

- **Blake, C.**, “Language and Credibility in the Judicial Process: A Jamaican Case Study”, presented at the 13th Biennial Conference of the International Association of Forensic Linguists, University of Porto, Portugal, 10–14 July 2017 (3000 words).
- **Ffolkes-Goldson, S.**, “Status Report on Company Law in the Region”, Chair: IMPACT Justice Project, Caribbean Law Institute, University of the West Indies, Cave Hill Campus, Barbados, 4 July 2017 (10 pages).
- **Robinson, T.**, “Saving Law: Crime, Constitutions and Decolonisation in the Anglophone Caribbean”. Paper presented at the British Academy Research Network’s Conference on “Crime and its Representation in the Anglophone Caribbean, 1834–2018”, UWI Regional Headquarters, Mona, Jamaica, 14–15 June 2017 (9 pages).
- **Robinson, T.**, “Legalizing Norms Related to Sexual, Gender and Bodily Diversity in the Inter-American Human Rights System”. Paper presented at the Yale Law School, Seminario en Latinoamérica de Teoría Constitucional y Política/Seminar in Latin America on Constitutional and Political Theory, (SELA) 2017, “The Constitutional Dilemmas of Social Democracy” Quito, Ecuador, 8–11 June 2017 (23 pages).
- **Haynes, J.**, “Revenge Porn: A Caribbean Perspective”, Paper presented at the Jamaican Bar Association Mid-Year Conference, UWI Regional Headquarters, Kingston, Jamaica, June 2017.
- **Haynes, J.**, “Contested Developments in Sports Law: Ambush Marketing and Ticket Touting”, 3rd Annual Symposium on Law,

Governance and Society, UWI Mona Faculty of Law, Annual Symposium, Melia Braco Hotel, Trelawny, Jamaica, June 2017.

- **E. Crowne** “Sports Dispute Resolution in the Caribbean: The Urgent Need for Reform”, 3rd Annual Symposium on Law, Governance and Society, UWI Mona Faculty of Law, Annual Symposium, Melia Braco Hotel, Trelawny, Jamaica, June 2017.
- **Robinson, T.**, “New-old Law in the Postcolony: Regulating Sex in the Anglophone Caribbean”, Paper presented at The Penn Program on Democracy, Constitutionalism, And Citizenship (DCC), The Tenth Annual Conference, “Citizenship on the Edge: Sex/Gender/Race”, University of Pennsylvania, Philadelphia, 5 May 2017 (23 pages).
- **Robinson, T.**, “Soft legalising in a polarized world: LGBTI persons, human rights and the inter-American human rights system”, Transnational Law Seminar at Rutgers Law School, Newark, New Jersey, 28 March 2017 (PowerPoint presentation with 38 slides).
- **Robinson, T.**, “Criminalized Sex in the Anglo-Caribbean: Loved Law”. Lunchtime lecture presented at the Rutgers Center for Gender, Sexuality, Law and Policy (CGSLP), Newark New Jersey, 28 March 2017 (PowerPoint presentation with 19 slides).
- **Ffolkes-Goldson, S.**, “Corporate Governance: Emerging Trends”, Mayberry Investments Ltd. Board of Directors, March 2017 (15 pages).
- **Blake, C.**, “Disenfranchisement of Caribbean Vernacular Speakers in the Legal System” presented at the Stanford Humanities Center, Stanford University, 14 February 2017 (5,500 words).
- **Blake, C.**, “Blind Justice: Caribbean Vernacular Speakers in the Legal System” Stanford University Department of Linguistics Seminar, 8 February 2017 (4500 words).
- **N. Corthesy** Faculty of Law Mona Law Series on Copyright – Use and Abuse, “Copyright Term – Balancing Exclusive Rights and the Public Domain”, The UWI Mona, Kingston, Jamaica, February 2017 (28 pages).
- **Haynes, J.**, “Sports and the Law: Implications for the Economic

Landscape of Jamaica” presented and served as a panellist at the Annual Norman Manley Lecture, Norman Manley Law School, Jamaica, 2017.

- **Haynes, J.,** “Combatting ‘Revenge Porn: A Comparative Approach”, presented at the CPE British Pacific Conference, London, United Kingdom, 2017.
- **Robinson, T.,** “Committee Jurisprudence and General Comments 32 and 35 on Fair Trial, Liberty and Security of the Person”. Presented at the International Human Rights Seminar for the Judiciary, convened by the Office of the Chief Justice and supported by the UN in Jamaica, Kingston, 1 October 2016 (PowerPoint presentation with 47 slides).
- **Robinson, T.,** “Without Fear or Favour: Judicial Independence, Separation of Powers and the Power of the Purse in Small States in the 21st Century”. Feature Address presented at the OECS Bar Association’s 13th Regional Law Conference, St. Lucia, 16 September 2016 (20 pages).
- **Robinson, T.,** “Universality, the Caribbean and the Inter-American Human Rights System”, Paper presented at 1<sup>st</sup> Encuentro Internacional de Especialistas y Redes del SIDH, “Retos del Sistema Interamericano de Derechos Humanos”, organised by the Instituto de Investigaciones Juridicas de la UNAM, Mexico City, 18 August 2016 (5 pages).
- **Matthews, J.,** “What’s Past is Prologue: Crime and Gender in Post-Colonial Antigua and Barbuda.” Presentation at “Gender Equality in Antigua and Barbuda”, sponsored by The University of the West Indies, Open Campus Antigua and Barbuda, The Antigua and Barbuda Studies Association and the Antigua and Barbuda Youth Enlightenment Academy, St. John’s Antigua, 11–12 August 2016.

## RESEARCH OUTPUT

### Referred Journal Articles

- **Cameron, R.,** “An Analysis of the Property Rights of Spouses Act: Rights Holders Perspectives”, *JLGS*, Vol. 1, 2, 2017

- **Corthesy, N.**, “Trademarks, country names and misappropriation of national identity”, accepted for publication, *Oxford Journal of Intellectual Property Law and Practice*, 2017, Vol 4 (10 Pages)
- **Crowne, E.**, “‘Mice Ate My Licence Agreement’: Claims Applicant before Federal Court of Canada”, *Journal of Intellectual Property Law & Practice* (Oxford), Vol. 12, No. 7, 2017.
- **Crowne, E.**, “Federal Court Interprets Canada’s Technological Protection Measures For The First Time”, *Journal of Intellectual Property Law & Practice* (Oxford), Vol. 12, No. 6, 2017.
- **Crowne, E.**, “Trinidad High Court Allows Defendant to ‘Win(e) With No Worries’”, *Journal of Intellectual Property Law & Practice* (Oxford), Vol. 12, No. 5, 2017.
- **Crowne, E.**, “No Need To Consider All Potential Uses of a Mark in Opposition Proceedings: Canadian Federal Court of Appeal”, *Journal of Intellectual Property Law & Practice* (Oxford), Vol. 12, No. 2, 2017.
- **Ali, S.**, “Law, Governance and Society – the ‘Holy Trinity’ of Civilization” (2016) Vol. 1 and 2 *Journal of Law, Governance and Society* p.iv (editorial)
- **Haynes, J.**, ‘Legislative Approaches to combating Revenge Porn’ *Statute Law Review*, published 5 March 2017
- **Robinson, T.**, Arif Bulkan, “Constitutional Comparisons by a Supranational Court in Flux: The Privy Council and Caribbean Bills of Rights” (2017) 80 *Modern Law Review* 379–411 (32 pages).
- **Haynes, J.**, “Northern Ireland’s Human Trafficking and Exploitation Act (2015): A Preliminary Assessment” (2016) 42(2) *Commonwealth Law Bulletin* 181–211, 2016.
- **Haynes, J.**, “The right to Free Movement of Persons in Caribbean Community (CARICOM) Law: Towards Juridification?” *Journal of Human Rights in the Commonwealth* 57–66, 2016.

## INCOME GENERATION

The Faculty of Law, UWI, Rights Advocacy Project (U-RAP) coordinated by Arif Bulkan (STA) and **Tracy Robinson** (Mona), received a sub-grant from the Robert Carr Network Fund of \$105,456.64 USD and from the Global Fund of \$198,675.00 USD through the Caribbean Coalition of Vulnerable Communities (CVC). This project aimed to undertake the training of lawyers and judges, to provide support for the development of a regional pro bono litigation group and to undertake legal and environmental assessments related to HIV/AIDS. The output of which is the production of legal literacy resources.

## PUBLIC SERVICE

### **Rose Cameron**

- Member, Jamaican Bar Association
- Member, Jamaican Bar Association, Continuing Legal Education Committee
- Member, Executive of the UWI Alumni Association, Jamaica Chapter
- Member, Advisory Council, University College of the Caribbean
- Moderator, The Jamaican Bar Association, *“Revenge Porn: Judicial and Legislative Perspectives”*, 3 June 2017, UWI, Regional Headquarters.

### **Emir Crowne**

- Editorial Board, *Journal of Intellectual Property Law & Practice* (Oxford), 2015–Present
- Founder, Donald G. Bowman National Tax Moot, Co-Chair, Donald G. Bowman Moot National Tax Moot Committee, 2010–Present
- Justices of the Peace Review Council, Ministry of the Attorney General, Ontario, Appointed Member (Handles matters concerning accommodation of needs, education, training, and alleged misconduct of Justices of the Peace in Ontario), 2007–Present

**Natalie Corthesy**

- Facilitator, Legal Retreat of the Entertainment Policy & Monitoring Division, Ministry of Culture, Gender, Entertainment and Sports, Melia Braco, Trelawny, Jamaica, June 21–23, 2017.
- Specially invited participant, National Consultations on the Introduction of Subsidiary Legislation to the Copyright Act of Jamaica to Regulate the Activities of Collective Management Societies, Jamaica Intellectual Property Office, January 30, 2017.
- Member of the International Trademark Association (INTA), 2017

**Suzanne Ffolkes-Goldson**

- Ministry of Finance and Planning Implementation Oversight Committee to Monitor Implementation of Strategic Priorities of the Corporate Governance Framework for Public Bodies
- Private Sector Organization of Jamaica (PSOJ) Corporate Governance Committee Member and Chair of the Corporate Governance Code Sub-Committee

**Jason Haynes**

- Reviewer, *Commonwealth Law Bulletin and Journal of International Dispute Settlement*, 2012–Present
- Member, Chevening Eastern Caribbean Alumni Association
- Member, Commonwealth Scholarship Alumni Association
- Fellow, UK Higher Education Authority (UKHEA)
- Member, Socio-Legal Studies Association, United Kingdom
- Volunteer, Norman Manley Law School Legal Aid Clinic, Jamaica, 2016–2017

**Janeille Matthews**

- Moderator of Roundtable and Small-Table Discussion, “Why Pro Bono and Social Justice Lawyering/Legal Services Matter in the Caribbean.” held at “Caribbean Social Justice & Pro Bono Lawyering Meeting: Everybody is Somebody“ Sponsored by The UWI Mona,

Faculty of Law Rights Advocacy Project (URAP), Port-of-Spain,  
Trinidad, 1–2 December 2016

**Tracy Robinson**

- Member, “Committee on Judicial Appointments in Trinidad and Tobago”, chaired by Justice Desiree Bernard and established by the Law Association of Trinidad and Tobago to examine the constitutional and other arrangements pertaining to the selection and appointment of judges of the High Court and the Court of Appeal and to make recommendations.
- Commissioner, “Independent Review of Equity and Health inequalities in the Americas”, a two-year review which is the first large-scale effort to gather evidence on health inequities in the Region of the Americas, is overseen by a panel of expert commissioners and chaired by Professor Sir Michael Marmot, UCL Institute of Health Equity, and commissioned by PAHO/WHO.

**Shazeeda Ali**

- Assisted in the design and implementation of the Financial Investigation Course 2017, (Financial Investigations Division, Jamaica)
- Member, International Association of Prosecutors (IAP), 2016–Present,
- Chair, *Countering Cybercrime through Money Laundering Regimes*, 4th International Association of Prosecutors (IAP) North American and Caribbean Regional Conference, Montego Bay, JAMAICA, November 3, 2016.

**OUTREACH**

**Emir Crowne**

March– August 2017 Successful defense of Riker Hylton against allegations that he refused to submit to a doping control test. Decision is reported as *JADCO v. Hylton*, 2017 IADP 0002. This type of outreach not only serves an under-served community (namely, amateur athletes), it is also an important advocacy initiative that contributes to our national and

regional development and post-colonial identity. This was undertaken entirely without charge to the athlete.

### **Tracy Robinson and Janeille Matthews**

*U-RAP* – The Faculty of Law The UWI Rights Advocacy Project (U-RAP) established in 2009 has three main pillars of work – strategic litigation, socio-legal research and legal education – aimed at generating greater respect for and understanding of human rights in the Caribbean. Its administrative base is Mona but public law teachers at Mona, Cave Hill and St. Augustine undertake the work of the Project which is coordinated by Arif Bulkan (STA) and **Tracy Robinson** (Mona).

In August 2016, the Supreme Court of Belize gave judgment in favour of Caleb Orozco in Belize, litigation initiated by U-RAP in 2010 with partners. The ground-breaking decision ruled that the offence of carnal intercourse against the order of nature is unconstitutional to the extent that it criminalises sex between consenting adults in that it violates the rights to dignity, privacy, equality and non-discrimination and freedom of expression. A very limited appeal against this decision has been filed by the Government of Belize and a more extensive appeal has been filed by the Roman Catholic Church which is an interested party to the litigation.

In December 2016, U-RAP hosted a meeting of approximately 35 lawyers from 12 Caribbean countries on pro bono and social justice lawyering in Port of Spain, Trinidad, and in January 2017 established the Caribbean Pro Bono and Social Justice Lawyering Group, which now comprises about 60 lawyers. The aim of the group is to strengthen access to justice for groups and persons who are often marginalised in the justice system and have limited access to legal services. Bulkan and **Robinson** edited the first newsletter for the Group which was published in January 2017.

In March 2017, an appeal against the February 2017 Guyana Court of Appeal decision to the Caribbean Court of Justice was filed in U-RAP led litigation in Guyana. This case, *McEwan v AG* challenges the constitutionality of a colonial vagrancy law that criminalises cross-

dressings for an improper purpose. The principal clients in this litigation are transgender women who were arrested and convicted of this offence. This case raises very important legal issues about the operation of savings law clauses, the application of the rules of legal certainty and the meaning of the reformed constitutional provisions in the Guyana Constitution on equality.

**Caribbean Ombudspersons, Citizen Security and the Inter-American Human Rights System** – Tracy Robinson organised the two-day seminar, “Caribbean Ombudspersons, Citizen Security and the Inter-American Human Rights System”, a collaboration of the Faculty of Law, The UWI Mona and the Inter-American Commission on Human Rights (IACHR) at The UWI Mona, funded by the European Union (€20,000 Euros) in May 2016.

Under Robinson’s supervision, in April 2017 the Faculty of Law, The UWI Mona published the booklet, *Caribbean Ombudspersons, Citizen Security and the Inter-American Human Rights System* (2017) which explains the Inter-American Human Rights System (IAHRS), discusses standards in the IAHRS related to citizen security and summarises the good practices for ombudspersons identified in the seminar, provides guidance on the tools of the IACHR and includes the Joint Statement of the Caribbean Ombudspersons produced at the Seminar.

## **DISTINGUISHED VISITORS**

The Faculty hosted Fulbright Scholar Inga Laurent, Associate Professor and the Director of the Externship Program at the Gonzaga University School of Law. Professor Laurent received her J.D. from Cleveland-Marshall College of Law and her B.A. from Westminster College. Her research focus during the period was on Restorative Justice and included a Panel Discussion entitled: ‘From Retributive to Restorative Justice and Practices’ which formed part of the Faculty’s UWI Research Days Signature Events on February 2, 2017. The other members of the panel were Mrs Kahilah Whyte, Coordinator of Restorative Justice in the Ministry of Justice and Mr Kevel Campbell, Trainer, Coach and Supreme Court Mediator also gave presentations.

# FACULTY OF MEDICAL SCIENCES

## Mona

Year ending July 31, 2017



PROFESSOR HORACE FLETCHER

MB, BS, DM (O&G), FRCOG, FACOG

Dean

# – *Dean's Overview* –

## HIGHLIGHTS OF THE WORK IN THE FACULTY

The Faculty had an eventful 2016/17 academic year. In order to respond to the concerns and responses from the Caribbean Accreditation Authority for Medicine and Allied Health Profession (CAAM-HP) for the 2016 accreditation report, a senior cross campus Compliance Committee was established, led by the Pro Vice-Chancellor, Board for Undergraduate Studies. The Director of Medical Education (DME) at Mona coordinated the work of the cross-campus teams in preparing an action plan which sought to address the concerns expressed by CAAM-HP. Additionally annual progress reports were prepared for both the MBBS and DDS programmes and submitted to CAAM-HP in June 2017. The MBBS report included a comprehensive appendix of documents as evidence of compliance with accreditation standards. These included an honour code for students and new policy documents on student assessment, entry criteria, technical standards for the study of Medicine and Diversity in the FMS. These reports were accepted at the meeting of the CAAM-HP Accreditation Board in July 2017 and the UWI was informed of an extension of the accreditation for both programmes up to 2019.

Accreditation was also received for the Microbiology laboratory by the

Jamaica National Agency for Accreditation (JANAAC) effective, May 10, 2017 for 4 years. In addition, the Hugh Wynter Fertility Management Unit, at its 27th International Conference held March 2017 in Jamaica, was awarded the Centre of Excellence for Minimally Invasive Surgery, which meant that the Unit could be used for general surgical procedures.

Approval was granted by the relevant UWI Committees for the DDS programme to transition into a school. The transition to the School of Dentistry involved the revision of the structure of the Unit and staff requirement. Additional administrative staff in the position of storekeeper and senior secretary were secured. The academic workload guidelines for academic staff in part-time and full-time employment were also finalized.

There have been improvements to the clinical training of undergraduate students. The Savanna-La-Mar Hospital became the newest site for clinical rotations in the MBBS programme. Rotations commenced on April 11, 2017 with Surgery, Obstetrics and Gynaecology and Child Health. Currently a total of 12 students rotate at that site. Additional Associate Lecturers were also engaged to support the teaching and learning exercise for the students. Housing accommodation for the students had been arranged with CRM Limited where 10 rooms were secured to accommodate 20 students per rotation. Additionally, there was the completion of the dental polyclinic treatment cubicles, resulting in an increase in the number of treatment cubicles from 15 to 24. The increased treatment cubicle and the installation of the air and water lines to the dental chairs have significantly improved the clinical operations at the second clinical site.

Improvements were made to the programme offerings in the Faculty. The DDS programme introduced a Year 1 Summer Semester in order to introduce dental specific courses earlier in the programme and reduce the workload on students in Year 3. There was also the introduction of dental related courses in Semester 1 of Year 1 of the programme, to expose new students to clinical dentistry. Over the course of last year the DDS programme has further improved the student-led research by engaging the final year students. This led to the requirement for the students to prepare a clinical year case of significance and present their

research and then defend their findings to a panel, which comprised staff across multiple disciplines in the Faculty. One student had already published in an international journal and the programme aims to continue this trend. The BScN programme was re-sequenced to include the summer period and to ensure quality as recommended by the Nursing Council of Jamaica.

At the graduate level the Faculty made programme and system changes to aid in the efficient delivery and content improvement. The development and introduction of an Electronic Submission of Clinical Research Projects/Case Books to internal and External Examiners – ESPRO became the prime feature, and was scheduled to be launched on August 14, 2017. The system was developed and implemented to both re-engineer the academic process and promote a culture of greater efficiency and accountability; improve security of the documents; reduce costs; facilitate quicker turnaround time of responses from external examiners, so that students can be advised early of their eligibility to sit final examinations. The Department of Community Health and Psychiatry has also taken steps to improve and merge their programmes, as the first seminal step to the establishment of the School of Public Health. These programmes include: MPhil/PhD (Public Health); the Doctorate in Public Health (DrPH) and a Master of Public Health. Additionally, efforts were made to strengthen linkage and collaboration in the Family Medicine programmes.

## **TEACHING, LEARNING AND STUDENT DEVELOPMENT**

Technology continues to play a critical role in the delivery of the programmes in the Faculty. In the School of Medical Radiation Technology, ‘Clicker’ was being used to enhance the teaching and learning process for the students. The use of Skype and videos were also used to deliver lectures. For the MBBS programme, the Faculty acquired a digital microscope used primarily to support the teaching in Anatomy (Histology). This instrument has allowed for greater clarity of the histology slides and complements the video conferencing streaming to Western Jamaica Campus. This has positively impacted the learning experience for students

through the delivery of lectures to the WJC. The digital microscope has the capability of creating a bank of slides that can improve the teaching to students in that area. Clicker is also used to support the teaching in Anatomy (Gross and Histology). With the Clicker technology we can gauge students' understanding of what is being taught before the end of each lecture.

In November 2016 the Faculty opened its computer lab at the FMS Teaching and Research Complex. This has resulted in greater efficiency in the delivery of computer-based classes, and scheduling and staging of examinations. The lab has the capacity to accommodate 88 students, but currently is outfitted with only 50 computers.

Several workshops were held for graduate students, supervisors and coordinators in the Faculty. The Office of Graduate Studies and Research in collaboration with the Faculty held the Graduate supervisors' workshop which was aimed at lecturers who supervised residents of the various DM programmes and was held October 4 and 6, 2016. Coordinators, through their workshop held on November 2–3, 2016, were instructed on how to develop/review curriculum for new and existing programmes; while the DM residents underwent a two day workshop, which was hosted by the Faculty in collaboration with the Centre of Excellence for Teaching and Learning on January 18 and 20, 2017, to develop their teaching skills while reviewing the MBBS curriculum.

The Faculty has maintained an active avenue of communication with the students. A DM survey was conducted in June 2017, to identify weaknesses and areas for improvement in the programmes, as well as to ascertain the efficiency of the programme delivery; it was completed by 19 of the twenty one programmes. A staff student liaison was introduced for the graduate students in the Faculty in order to provide a platform through which students could voice their concerns on matters affecting them and the faculty could have a chance to discuss/address these issues. Additionally, the Clinical Fellowship in Gynaecological Oncology commenced on July 1, 2017.

The Faculty has always been concerned with the level of professionalism

that is instilled in our students, and the DM Code of Conduct was created to ensure that our graduate students were both mindful of this expectation and that they maintained it. All DM candidates are expected to sign this form upon entry into their respective programmes, and it is used as a monitoring tool throughout their studies.

## **RESEARCH AND INNOVATION**

Two major research initiatives began in the Faculty during the period under review:

### **The SUNY/UWI Initiative**

The UWI and SUNY worked to move forward the research initiative which was established under the overarching agreement signed between the UWI and SUNY University Systems. The FMS research initiative was forged principally with the University at Buffalo campus of SUNY, and includes five main areas of research development – Center for Infectious Diseases Research; Antimicrobial Resistance and Stewardship Program; Liver and Metabolic Disease; Cannabinoid Sciences Clinical Applications Research Program; and Cancer Research in Natural Products and Nanomedicine.

In order to facilitate the collaboration, Dr Tyler Mullen was appointed Global Research Implementation Fellow with an office on the Mona campus and with responsibility for aiding the implementation of the various projects. The collaboration resulted in the submission of two major grant applications:

1. Global Infectious Diseases Research Training Program – National Institutes of Health, Forgarty Center
2. Viral Hepatitis, HIV and Arbovirus Epidemiology and Treatment in Jamaica – Gilead Sciences Inc

In addition, the SUNY/University at Buffalo team participated in the 2016 FMS Annual Research Conference and Workshop.

### **The Mosquito Control and Research Unit (MCRU)**

The Mosquito Control and Research Unit was launched jointly by the Principal of the Mona campus and the Honourable Minister of Health, Jamaica. The MCRU is a collaborative effort between the MOH and the UWI Mona campus to coordinate best practices in Integrated Vector Management and research for the health and wellbeing of Jamaicans. The purpose of the MCRU is to bring the scientific research of the Mona campus to bear on the vector control programmatic work of the Ministry of Health. It integrates several partners including Faculty of Medical Sciences; USAID; ICENS; Natural Products Institute; and Ministry of Health.

### **Publications by Department (2016/2017)**

<b>Department</b>	<b>Publications</b>	<b>Presentations - Conferences/ Scientific Meetings</b>	<b>Books &amp; Monographs, Book Chapter</b>	<b>Technical Reports</b>
Basic Medical Sciences	25	10	1(b/m); 9(bc)	4
Child & Adolescent Health	29	12	2(b/m)	3
Community Health & Psychiatry	31	21	2(b/m)	1
Medicine	14	25	1(bc)	–
Microbiology	15	–	–	3
Obstetrics & Gynaecology	9	–	–	–
Pathology	14	13	2 (b/m)	–
Surgery, Radiology, Anaesthesia & Intensive Care	14	44	–	–
Mona Ageing & Wellness Centre	6	9	–	–
CaIHR	36	20	2 (bc)	1
Units/Sections under the Dean's Office	1	3	1 (bc)	–
UWI School of Nursing	7	5	–	–
<b>Total</b>	<b>201</b>	<b>162</b>	<b>7(b/m); 13(bc)</b>	<b>12</b>

## Research Awards

In February 2017, several members of staff received the Principal's Research Awards for their outstanding work done (with their collaborators), as follows:

### The Best Research Publications

- **M Asnani, T Royal-Thomas, M Reid.** “Predictors of renal function progression in adults with homozygous sickle cell disease.” *British Journal of Haematology*. 173, 3 (2016):461–468. **(IF 5.812)**
- **Davis, R. and Brown, P.D.** (2016). Multiple antibiotic resistance, fitness and virulence potential in respiratory isolates of *Pseudomonas aeruginosa* from Jamaica. *J Med Microbiol* 65 (4): 261–271. 10.1099/jmm.0.000229. **(IF 3.631)**

### The Most Outstanding Researcher/Research Activity

- **Dr. Monika Asnani**, Caribbean Institute of Health Research, awarded **Most Outstanding Researcher** for producing 1 book chapter, 1 book chapter and 4 articles (3 as first author) with IF ranging from 0.72 to 5.812.

**Book:** *Sickle Cell Disease: The Clinical Care Guidelines of the Sickle Cell Unit*. 2nd edition, 2015. Kingston, Jamaica: Sickle Cell Unit, University of the West Indies.

**Book Chapter:** “Pain, Sexual Activity and Partner Support in Jamaicans with Sickle Cell Disease.” In *Sickle Cell Disease: Genetics, Management and Prognosis*. 103 pages. Nova Science Publishers. September 2015.

**Articles:** “Exploring Antecedents of Quality of Life of Sickle Cell Patients Using a Knowledge Discovery and Data Mining Process Model based Framework.” *Health Systems*. 5, 1 (2016): 52–65. (IF 0.72) “Predictors of renal function progression in adults with homozygous sickle cell disease”. *British Journal of Haematology*. 173, 3 (2016):461–468. (IF 5.812) “Increased rates of body dissatisfaction,

depressive symptoms and suicide attempts in Jamaican teens with sickle cell disease". *Pediatric Blood & Cancer*. (2016). doi: 10.1002/pbc.26091. [Epub ahead of print]. (IF 2.634) "Utility of paediatric quality of life and revised illness perception questionnaires in adolescents with sickle cell disease". *Vulnerable Children and Youth Studies*. 11, 1 (2016):1–12 (IF 1.24).

- **Dr. Chukwemeka Nwokocha**, Department of Basic Medical Sciences, awarded **Most Outstanding Researcher** for producing 2 book chapters and 6 articles which focuses on "Biological activity, phytochemical exploration and mechanisms of action of natural products (plants and metals) in the management and signalling pathways of experimental hypertension".

**Book Chapters:** "Inhibition of cytochrome P450 1 enzymes by apocynin and other Jamaican natural products: Assessing potential for chemoprevention and drug-herb interactions. In-vitro Bioassays and Chromatographic Analyses used to screen natural Products from Jamaica in the 21st century", 2015; 49–61 *Bioactive Plant Molecules, Sources and Mechanism of Action in the Treatment of Cardiovascular Disease*. McCreath, Elsevier Publications.

**Articles:** "Hydroalcoholic extract and pure compounds from *Senecio nutans* Sch. Bip (Compositae) induce vasodilation in rat aorta through endothelium-dependent and independent mechanisms". *Journal of Ethnopharmacology*. 2016 Jul 5. Pii: S0378-8741(16)30431-7. Doi: 10.1016/j.jep.2016.07.008. [Epub ahead of print] PMID: 27392595 "Treatment of Rats with Apocynin Has Considerable Inhibitory Effects on Arylamine N-Acetyltransferase Activity in the Liver". *Scientific Reports*. 2016 May 31; 6:26906. Doi: 10.1038/srep26906. PMID: 27242013 "Hypotensive and antihypertensive effects of a hydroalcoholic extract from *Senecio nutans* Sch. Bip. (Compositae) in mice: Chronotropic and negative inotropic effect, a nifedipine-like action". *Journal of Ethnopharmacology*. 2016 Feb 17; 179:367-74. Doi: 10.1016/j.jep.2015.12.048. Epub 2015 Dec 25. PMID: 26724424. "Synchronization in the Heart Rate and the Vasomotion in Rat Aorta: Effect of Arsenic Trioxide. *Cardiovascular Toxicology*".

2016 Jan; 16(1):79-88. Doi: 10.1007/s12012-015-9312-4. PMID: 25666560. "Single Adult human Equivalent Dose of Intramuscular Chloroquine did not Lower Blood Glucose Level in Fasted Wistar Rats" *Clin Exp Pharmacol* 2016, 6(213), 2161-1459. "Effect of Vitamin C Supplementation on Platelet Aggregation and Serum Electrolytes Levels in Streptozotocin-Induced Diabetes Mellitus in Rats". *Nigerian journal of physiological sciences: official publication of the Physiological Society of Nigeria*, 31(1), 55.

### **The Research Project Attracting the Most Research Funds**

- **Dr. Tamara Thompson**, Department of Medicine, for grant funding in the amount of Ja\$6,388,842 for the period under review, for work done on "Adherence to Highly Active Anti-Retroviral Therapy (HAART): A Trans-Caribbean Study".

### **Research Project with the Greatest Business/Economic/Development Impact**

- JS Hankins, MB McCarville, **AE Rankine-Mullings**, **ME Reid**, CL Lobo, PG Moura, S Ali, **DP Soares**, **K Aldred**, DW Jay, B Aygun, J Bennett, G Kang, JC Goldsmith, MP Smeltzer, RE Ware. "Prevention of conversion to abnormal transcranial Doppler with hydroxyurea in sickle cell anemia: A Phase III international randomized clinical trial." *American Journal of Hematology* 90, 12 (2015): 1099–1105.

**STUDENT ACHIEVEMENTS****Undergraduate enrollment for the academic year 2016/2017**

<b>Programme</b>	<b>Majors and Minors</b>	<b>No. of Students 2015/2016</b>	<b>No. of Students 2016/2017</b>
<b>Associate Degree</b>	Child Development Therapy	3	–
<b>BBMedSci</b>	Anatomy	37	48
	Biochemistry	8	2
	Pharmacology	125	111
	Physiology	15	24
	<b>Subtotal</b>	<b>185</b>	<b>185</b>
<b>BSc</b>	Nursing (Post RN) Online Delivery	197	145
	Nursing (Generic)	1221	1271
	Physical Therapy	202	178
	Diagnostic Imaging	96	97
	<b>Subtotal</b>	<b>1716</b>	<b>1691</b>
<b>DDS</b>	Doctor of Dental Surgeon	89	100
<b>PharmD</b>	Doctor of Pharmacy	n/a	23
<b>MBBS</b>	Bachelor of Medicine & Surgery	1654	1652
<b>Total</b>		<b>3647</b>	<b>3651</b>

Specially Admitted students from overseas institutions who registered for clinical rotations/electives in various specialties for the period is 39.

**The MBBS Examination Results – Academic Year 2016/2017**

<b>Subjects</b>	<b>Pass</b>	<b>Honours</b>	<b>Distinction</b>	<b>Fail/FA</b>	<b>Total</b>
Medicine (MDSC553)	225	9	–	24	258
Obstetrics and Gynaecology (MDSC554)	216	23	–	13	252
Surgery (MDSC555)	205	9	–	39	253
<b>Total no. of student who sat the exams</b>					<b>270</b>

**Graduated – Undergraduate Students – Academic Year 2016/2017**

<b>Programmes</b>	<b>No. of Students</b>
MBBS	281
DDS	20
BSc Nursing (Generic)	247
BSc Nursing (Post RN)	54
BSc Physical Therapy	52
BBMedSci	49
BSc Diagnostic Imaging (Radiography)	33
<b>Total</b>	<b>736</b>

**Undergraduate Student Awards – 2016/2017****DDS**

- Dean's List: 2 students
- Honour Society: 2 students

**MBBS**

- Dean's List: 32 students

- Honour Society: 6 students
- Outstanding Graduands: 2 students

### **Nursing**

- Dean's List: 17 students
- Honour Society: 2 students
- Outstanding Graduands: 2 students

### **Physical Therapy**

- Honour Society: 1 student
- Outstanding Graduands: 2 students

### **BBMedSci**

- Dean's List: 7 students
- Honour Society: 2 students
- Outstanding Graduands: 2 students

### **Diagnostic Imaging**

- Dean's List: 22 students
- Honour Society: 4 students
- Outstanding Graduands: 2 students

### **Prizes/Medals**

The following students were awarded prizes in the final MBBS examinations held in May/June 2017:

#### **Subject Medals (All Campuses)**

Medicine	–	Aundre Roberts
Obstetrics and Gynaecology	–	Givana Witter
Overall Clinical Medal	–	Aundre Roberts
<b>Pathology/Microbiology Medal</b>	–	Timothy Henry

## Prizes/Bursaries

The General Surgery Prize/Aubrey McFarlane Bursary	– Victoria Green
The General Surgery Prize (Theory)	– Aundre Roberts
Professor Owen Morgan Prize in Medicine and Therapeutic	– Aundre Roberts
Allenbury Prize in Medicine	– Aundre Roberts
Dr. The Hon. John Hall Book Prize	– Shanese Bennett
	– Nathan Crawford
	– Chantal Garner
	– Annya Gordon-Whyte
	– Victoria Green
	– Timothy Henry
	– Damion Hunter
	– Adam Lee
	– Kem-Maria Cook
	– Jabari Munroe
	– Wai Ng
	– O’Danielle O’Sullivan
	– Anna-Kay Palmer
	– Aundre Roberts
	– Tremar Samuels
	– Givana Witter
Astley Karl Bambury Foundation Prize in Medicine	– Aundre Roberts

Professor Louis Grant Book Prize	– Timothy Henry
Professor S.E.H. Brooks Memorial Prize	– Timothy Henry
Medical Council of Jamaica Prize	– Aundre Roberts
Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecolog	– Givana Witter
Sagicor Life Jamaica Limited Award	– Kem-Maria McCook
Guardian Life Jamaica Limited Prize	– Mesounie Taylor
Medical Protection Society Prize	– Timothy Henry

**Prizes awarded in the BSc Physical Therapy Programme, 2016/17**

Best Performance in Anatomy	– Bakhita Johnston
Best Performance in Physiology	– Bakhita Johnston
Best Performance in Rehabilitation 1	– Bakhita Johnston
Best Performance in Rehabilitation 2	– Bakhita Johnston
Best Performance in Rehabilitation 3	– Bakhita Johnston, Kamile Lootawan, Shadae McGrowder
Outstanding Performance in Clinical Practice	– Bakhita Johnston
Best Performance in Medical Science 1	– Bakhita Johnston
Best Performance in Medical Science 2	– Bakhita Johnston
Best Performance in Medical Science 3	– Bakhita Johnston

**Registered Graduate Students, 2016–2017**

<b>Programmes</b>	<b>No. of Students 2015/2016</b>	<b>No. of Students 2016/2017</b>
Diploma	29	40
DM	405	418
MD	1	1
DrPH	29	31
MPH	64	64
Taught Masters	160	174
MPhil	49	40
PhD	35	40
Clinical Fellowship	11	6
<b>Total</b>	<b>743</b>	<b>814</b>

**Graduated – Postgraduate Students, 2016–2017**

<b>Programmes</b>	<b>No. of Students 2015/2016</b>	<b>No. of Students 2016/2017</b>
Diploma	5	4
DM	37	68
DrPH	3	2
MPH	16	28
Taught Masters	31	57
MPhil	4	–
PhD	2	2
Clinical Fellowship	–	2
<b>Total</b>	<b>98</b>	<b>163</b>

## **NATIONAL ENAGEMENT AND OUTREACH**

### **Dean's Office**

The FMS hosted a delegation from the Government of the Republic of South Africa on Monday, May 15 and Tuesday, May 16, 2017 to discuss partnership in the training of students in programmes in our Faculty. Their primary interest is in the MB BS programme. The delegation consisted of Dr. Andrew Robinson, Director of the Clinical Services for the Region in South Africa, who has a background in public health and family medicine; Dr. Binu Luke – an internist who sits on the Health Professions Council of South Africa, which regulates all of the health professions in that country; Ms. Sue Mohube, Personal Assistant to Dr. Masike; and Mrs. Ntombi Thula, an Official supporting the visit/team.

The delegation was impressed not only with our facilities but by our professionalism and commitment. The presentations by our Programme Directors were well received and Dean Fletcher's presentation on the Botswana's experience also made a solid impact. The visit to our University Hospital went very well and they were delighted to make a courtesy call on the Vice-Chancellor. Therefore, our programme offerings and cultural linkages were well presented and received.

They were also keen to see the range of training programmes offered by the FMS and were also intrigued by our many DM offerings in which they had expressed interest. Going forward, there would be discussions not only on student enrolment but also collaboration between the FMS, their health system in the province and with NW University Faculty of Health Sciences in South Africa. There would also be further discussions towards the development of a plan for deeper engagement.

Additionally, Dr. Jasneeth Mullings served as member, Planning Institute of Jamaica Core Group for the Social Determinants of Health Project since September 2016. The Director of Medical Education, Professor Joseph Branday, also represented the UWI at the annual meetings of the CAAM-HP Board in July 2016 (Jamaica) and July 2017 (Barbados) and led a CAAM-HP accreditation team for site visits to the All Saints

University (Dominica and St. Vincent) and to the St. James School of Medicine, St. Vincent (June 2017)

### **SMRT**

The SMRT Student Body Association launched the **Give-it Initiative**. This arose from the assignment of the third year group to Hope Institute, National Children's Home, and Mustard Seed Communities [Gordon Town] for the Community Project [DIMA 3002]. Part of the initiative included the drive to collect/purchase needed items for the clients housed in these sites. The handing-over ceremonies were held at the culmination of semester 3 examinations. The Give-It Initiative would be an annual event.

Big Brother/ Big Sister Initiative. This was re-introduced in the 2016–2017 academic year. This involved the assignment of year 1 students to a Big Brother/Big Sister in year 2 or 3 of the programme, who helped them to adjust to University life, to develop effective study techniques, and to keep focused.

### **Dentistry**

The DDS programme continued to attract interest in its undergraduate programme and in post-graduate training even though no post-graduate programmes have been advertised. Interests have been expressed by potential students from the United States.

Members of the academic staff visited with their colleagues at Howard University College of Dentistry and to the Creighton University College of Dentistry, as well as the College of Dentistry at the University of Nebraska-Lincoln. Also, efforts were being made to formalize student and faculty exchange with the Zahnmedizinische Fakultät of the Freie Universität Berlin, Germany through the existing MOU between both universities.

## **STAFF MATTERS**

### **Promotion**

#### ***Professorship***

The following members of staff were promoted to the level of Professor:

- Dr. Jean-Pierre Loubouton, Department of Basic Medical Sciences
- Dr. Paul Brown, Head, Department of Basic Medical Sciences

#### ***Senior Lecturer***

- Dr. Joshua Anzinger, Department of Microbiology
- Dr. Colette Cunningham-Myrie, Department of Community Health & Psychiatry
- Dr. Mohammed Ali, Department of Basic Medical Sciences

### **Resignation**

The following members of staff resigned from their positions as follows:

- Dr. Allie Martin; Department of Surgery, Radiology, Anaesthesia and Intensive Care
- Ms. Omar Anderson, Basic Medical Sciences
- Mr. Richard Smith, Basic Medical Sciences
- Dr. Arkene Levy, Basic Medical Sciences
- Dr. Michael Rowe, Lecturer, Department of Basic Medical Sciences (Physiology) – July 9, 2017

### **Awards**

- Professor Shearer received the Order of Jamaica, for outstanding advocacy for Senior citizens. She also received the Legacy Award for Contribution to Elderly from the Ministry of Labour and Social Security.
- Dr. Kenneth Vaughan received the Order of Distinction in the Rank

of Commander for excellence in Orthopedic Surgery and Voluntary Community Service in the Caribbean.

- Dr. Ian Titus received the Order of Distinction in the Rank of Officer for Outstanding contribution to Medicine.

### **Obituaries**

- The Faculty mourned the passing of the following members of staff:
- Dr. Vary Jones-Leslie, retired Associate Lecturer, Department of Obstetrics & Gynaecology – July 18, 2017.
- Dr. Winston Noel Chen, retired Senior Lecturer, Department of Obstetrics and Gynaecology – December 26, 2016.
- Mrs. Yvonne Pryce, retired Office Manager, Department of Surgery, Radiology, Anaesthesia & Intensive Care – December 25, 2016.
- Dr. Kathryn Mitchell-Fearon, Lecturer Department of Community Health & Psychiatry – November 20, 2016.
- Dr. Joseph St. Elmo Hall, retired Senior Lecturer, Department of Obstetrics & Gynaecology – October 15, 2016
- Dr. Harold Chan, Senior Lecturer, Department of Pathology – November 16, 2016.

### **CONCLUSION**

It has been an eventful year especially in relation to the accreditation of our programmes. We have already started the process for two additional departments and press ahead this upcoming year to ensure these are completed. There have been challenges with infrastructure and finance, however, the Faculty is still enthused to continue working hard to overcome these hurdles. Congratulations to the students and staff for their hard work which has borne fruit as we continue to strive for greater success in the years to come.

## DEPARTMENT OF BASIC MEDICAL SCIENCES



**Professor Paul D. Brown, BSc, MPhil, PhD *UWI***  
**Head of Department**

### **WORK OF THE DEPARTMENT**

**T**his academic year started with a change in Headship of the Department as a result of Dr. Andrew Pearson completing his three-year term of office. With the Departmental QA Review and CAAM-HP Accreditation Review completed, the task of formalizing and initiating the action items began in earnest with the re-institution of the governance structure to oversee the work of the Department. Professor Jean-Pierre Louboutin (Anatomy), Dr. R. Lisa Lindo (Biochemistry), Dr. Maxine Gossell-Williams (Pharmacology), Dr. Carron Gordon (Physical Therapy), and Dr. Lauriann Young-Martin (Physiology) were appointed as Section Heads as we sought to establish a succession plan for the Department. The Management Committee comprised the Section Heads, Programme Directors, Chief Lab Technologist, Laboratory Manager and the Senior Administrative Assistant.

To assist with the forward move of the department, we formulated a 5-year strategic plan which covered 5 basic areas: Curriculum, Research, Staff, Postgraduate programmes, and Infrastructure. We continue to host large numbers of students in discipline-specific courses in the Faculty of Science and Technology (BSc degree) and in the Faculty of Medical Sciences (MBBS/DDS, BBMedSci, Physical Therapy and the new PharmD programme). Coupled with these are heavy teaching responsibilities by staff and engaged student supervision, particularly for undergraduate research projects. We have considered that to assist the process, there must be more focus on technology to enhance discipline-specific teaching with establishment of a Multimedia Technology Unit, and possibly the introduction of short/modular courses. It must be considered that with such a varied programme base, there will be diverse and highly specialized research within the disciplines. In fact, we have to redefine what makes Basic Sciences distinctive in the 21st century context. Consequently, we encourage the formation of research groups, with emphasis on cross-disciplinary research projects, which might have greater success for attracting funding.

## STAFF AWARDS AND PROMOTIONS

- **Dr. Jean-Pierre Louboutin** was promoted to Professor in September 2016.
- **Dr. Paul Brown** was promoted to Professor effective May 31, 2017.
- **Dr. Paul Brown** was elected to the inaugural Council on Microbial Sciences (COMS) of the American Society for Microbiology (ASM).
- **Professor Paul Brown** achieved the following between August 1, 2016 and March 31, 2017
  - Appointed Head of Department (August 1, 2016)
  - Appointed Deputy Dean, Allied Health (August 1, 2016)
  - Principal's Research Award for Best Research Publication (article), Faculty of Medical Sciences for 2015, UWI, Mona [Multiple antibiotic resistance, fitness and virulence potential in respiratory isolates of *Pseudomonas aeruginosa* from Jamaica. *J Med Microbiol* 65 (4), 261–271]

## Department of Basic Medical Sciences

- Elected as International Member (at Large), Council on Microbial Sciences (COMS), American Society for Microbiology (ASM) (March 1, 2017)
- Elected as Vice-Chair of ASM COMS (March 31, 2017)
- **Dr. Stacy Stephenson** completed her Doctor of Philosophy degree in Molecular Biology with High Commendation and graduated in November 2016.
- **Professor Dalip Ragoobirsingh** was joint recipient of the 2017 CARICOM Science Award. The CARICOM Science Award is a joint effort between CARISCIENCE and the CARICOM Secretariat and is meant to give recognition and visibility to outstanding scientific achievements made by individuals from the CARICOM countries.

The Department of Basic Medical Sciences would like to congratulate **Dr. Simone Badal** on the publication of her text book *Pharmacognosy: Fundamentals, Applications and Strategies*. Contributors from the Department of Basic Medical Sciences are as follows: Drs. Icolyn Amarakoon, Jacqueline Campbell, Denise Daley, Lowell Dilworth, Chukwuemeka Nwokocha, Marcia Roye, Dewayne Stennett and Sophie Turfus.

- **Dr. Stacy Stephenson-Clarke** on her recent appointment as American Society for Microbiology (ASM) Young Ambassador of Science.
- **Mrs. Monique Reboe-Benjamin** was appointed to the post of Scientific Officer effective May 1, 2017.
- **Dr. Rachael Irving** submitted a proposal to host a seminar on “Sport Meet Science in London: Jamaica’s Pursuit for Greatness”. The University of the West Indies with the support of the Centre for Global Affairs, UWI and the University of Manchester, UK will be hosting “Sports, Wellbeing and Commerce: A London 2017 Forum for Academics, Athletes, their Handlers, the Caribbean Diaspora, Investors and Students” to be held at the University of East London, UK on July 29–30, 2017. The Dean, FMS gave US\$1,000.00 towards this initiative.

- **Dr. Sharmella Roopchand-Martin** pursued a MSc. Degree in Biomedical Ethics, Clarkson University, New York in June 2017.
- **Dr. Sharmella Roopchand-Martin** did an internship in Bioethics at The Centre for Bioethics, The National Institute of Health, Bethesda, Maryland, USA. She was the first candidate from the region to have been accepted for this internship.
- **Dr. Chukwuemeka Nwokocha** received the following awards:  
Principal's Award for Best Research Publication, for the publication titled, "Treatment of Rats with Apocynin has Considerable inhibitory effects on Arylamine N-Acetyltransferase activity in the Liver"  
Principal's Award for Most Outstanding Research Activity for the period under review, 2015/2016"
- **Dr. Cameil Wilson-Clarke** received the following training  
May 2017: Caribbean Research Ethics Education Initiative Proseminar, NIH and Fogarty Grant, Clarkson University, USA and St. George's University, Grenada  
May 2017: "Effective Project Planning and Evaluation in Health Research Train the Trainer Course" – UWI-Clinical Epidemiology Unit, Epidemiology Research Unit, Caribbean Institute for Health Research University of the West Indies with CIDEIM/TDR/UNICEF/UNDP/World Bank/WHO/PAHO  
November 2016: Ethical and Regulatory Aspects of Clinical Research Course, at the Department of Bioethics, National Institute of Health (NIH) Clinical Center, Bethesda, Maryland  
October 2016: "Innovative Teaching Techniques: Lessons from a Basement Studio" Workshop – Centre for Excellence in Teaching and Learning, UWI, Mona.
- **Ms. Peta-Gaye Thomas** won the Professor Manley West Award for research project in Pharmacology. Title: Cannabis withdrawal lowers sleep efficiency and motor activity in schizophrenia patients prescribed risperidone.
- **Dr. Lisa Lindo** – UWI/Guardian Group Premium Teaching Award, 2016 Outstanding Nominee

## PAPERS PRESENTED AT SCIENTIFIC MEETINGS

- Taite, D.R. and Ali, M.K. (2016). E-cigarette (EC) induced Zebrafish embryo toxicity at conference. Health is a Relay: Traditional & non-traditional tracks held on, November 24–25, 2016 at Jamaica Conference Center, Kingston, Jamaica.
- Stephenson S., Brown P.D. (2016). Effect of Dam methylation on gene regulation and mammalian cell attachment in uropathogenic *Escherichia coli*. 7th Clinical Diagnostics & Research online conference, November 2–3 2016. <http://www.labroots.com/virtual-event/clinical-Diagnostics-2016>.
- Gordon, C., Porter R, Thomas, S, Dawes M, Newell C. (2016). Neighbourhood walkability and physical activity in Harbour View Community, Kingston, Jamaica. *Presented at the Faculty of Medical Sciences Annual Research Conference, November 2016*.
- Thomas-Brown, P, Martin, J., Sewell, C., Abel, W., Gossell-Williams, M. (2016). Cannabis withdrawal lowers sleep efficiency and motor activity in schizophrenia patients prescribed risperidone. *In: Proceedings of the 25th Annual Research Conference held November 10th, 2016 University of the West Indies, Mona Campus. West Indian Medical Journal* 65 (Suppl): 29, ABSTRACT O-13.
- Kennedy-Dixon, T., Gossell-Williams, M., Cooper, M., Trabelsi, M., and Vinjamuri, S. (2017). Evaluation of radiopharmaceutical adverse reaction reports to the British Nuclear Medicine Society for the period 2007 to 2016: United Kingdom Radiopharmacy Group Workshop, Bourneville, Birmingham, England held May 11, 2017 at The Beeches Management Centre, Bournville, Birmingham.

## SPECIAL PRESENTATIONS AND INVITED LECTURES

- **Dr. Sophie Turfus** attended the London Toxicology Group summer lectures on June 16, 2017 which were held at the UK Chamber of Shipping in London, UK.

- Dr. Simone Sandiford was invited to present “How studying the immune system of mosquitoes can help combat diseases” to colleagues at SODECO on June 2nd, 2017.
- **Dr. Sophie Turfus** was invited to present “Pharmacogenetics: Opportunities and Challenges”. Continuing Education Seminar for Pharmacists (theme: Optimizing Pharmacy Practice-The New Era). Jamaica Pegasus Hotel, Kingston, Jamaica, October 30th 2016.
- **Dr. Sophie Turfus** was invited to serve the Faculty of Humanities and Education, Department of Language, Linguistics and Philosophy (DLLP) as a panelist in the UWI/UNESCO Philosophy Day: “Ethics as a Guide to Right Action: The Case of Doping.” The University of the West Indies. Thursday November 17th 2016.

#### **Dr. Sharmella Roopchand-Martin**

- December 2016 – Webinar for Clarkson University. Topic: Using The Code of Ethics to Solve Ethical Dilemmas in Physical Therapy Practice. December 2016 – Served as faculty for the Caribbean Public Health Agency (CARPHA) for 3-day training workshop on research ethics conducted in Suriname. April 2017 – Served as faculty for Clarkson University in a one week training programme in Research Ethics held at St. George’s University, Grenada.

#### **Dr. Sonja Williams**

- September 6, 2016 – “Preserving Functional Independence in Older Adults: The Caregiver’s Contribution”. Short presentation to care-givers participating in the a training course for caregivers of older adults that is offered by the Mona Ageing Centre, UWI, Mona.
- **Dr. C Gordon** presented at the Ministry of Health Research Conference, November 2017 held in Kingston. “Physical Activity and Health across the Lifespan”.
- **Dr. C Gordon** presented at the Ministry of Education, Monitoring and Evaluation Unit, Staff Development Seminar held in Kingston, June 2, 2017. “Sampling Methods for Mixed Methods Evaluation”.

## POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Valentine, H, Aiken, W, Coard, K, Chin, W. and Badal, S. (2016). Jamaican prostate cell line development: challenges involved. Presented at the 25th Annual Research Conference and Workshop on One Health, One Caribbean. *West Indian Med. J. supplement* 6, 2016, vol 65, Pg 48. November 6th & 9th–11th, Faculty of Medical Sciences, UWI, Mona.
- Delgoda, R, Kandagatla, SK, Ranor, G, Brantley E, Badal S, Francis S, Jacobs H. (2016). Novel quassinoid from Jamaican *Castela macrophylla* blocks induction of cytochrome P450 1 enzymes and luciferase genes. *Planta Medica*, 81:11 Pg x85.
- Young, L.E, Chin-Quee, KP (2016). A comparison between delta-9-tetrahydrocannabinol and a Jamaican marijuana tea extract in an animal model of addiction, *SfN Abstract Viewer*; 77.07; 2016-S-1272-SfN.
- Turfus, S. C, Mansingh, Roopchand-Martin, S. (2016). Supplement-taking habits and knowledge about anti-doping among teenage athletes: a case study of a Kingston inner-city boys' school. 25th Annual Research Conference and Workshop: "One Health, One Caribbean". The University of the West Indies, Jamaica, 6th and 9th–11th November 2016. *West Indian Medical Journal Supplement* 65 (Suppl 6): 1–53 (P-13).
- Katz, N, Hinderer, C, Louboutin, J.P, Bell, P, Tolar, J, Orchard, P.J, Nayal, M, Weng, L, Mesaros, C, de Souza, C.F.M, Dalla Corte, A, Giugliani, R, Wilson, JM. Elevated C.S.F spermine in the neuropathic forms of mucopolysaccharidosis. American Society for Gene and Cell Therapy, 20th Annual Meeting, May 10–13, 2017. Washington, DC, USA.
- Cawich, S. O, Gardner, M.T, Sinanan, A, Naraynsingh, V. Liver surface anatomy: new association with Chilaiditi's syndrome. 16th Annual Symposium of the American Hepatopancreatobiliary Association. March 29–April 2, 2017. Miami, USA.
- Cawich, SO, Gardner, MT, Sinanan, A, Naraynsingh, V (2017).

Liver surface anatomy: new association with Chilaiditi's Syndrome. HPB (Oxford). S1:P187.

- Cawich, SO, Thornton, A, Gardner, MT, Shetty, R, Pearce, NW, Naraynsingh, V. Cadaveric study of accessory sulci on the visceral surface of the liver. Annual Symposium of the American Hepatopancreatobiliary Association March 29—April 2, 2017. Miami, USA.
- Cawich, SO, Thornton, A, Gardner, MT, Shetty, R, Pearce, NW, Naraynsingh, V (2017). Cadaveric study of accessory sulci on the visceral surface of the liver. HPB (Oxford). S1:P164.
- Cawich, SO, Thornton, A, Gardner, MT, Shetty, R, Pearce, NW, Naraynsingh, V (2017). An anatomic study of accessory sulci on the visceral surface of the liver. JCCS. 1(S1): 48.
- Cawich, SO, Thornton, A, Gardner, MT, Shetty, R, Pearce, NW, Naraynsingh, V. An anatomic study of accessory sulci on the visceral surface of the liver. Annual Symposium of the Caribbean College of Surgeons. June 14–7, 2017. Montego Bay, Jamaica.
- Francis, L, Edwards, T, Dennie, D, Louboutin, JP. Use of Socratic in tutorials of gross and microscopic anatomy. Research Days UWI Mona Campus, February 1–3, 2017. Kingston, Jamaica.
- Riley, M, Francis, L, Thomas, R, Miguel, D, Lodenquai, P, BARNED, H, Shetty, R, Brown, PL, Gardner, MT, Louboutin, JP. Student response systems (clickers) in Anatomy. Research Days UWI Mona Campus, February 1–3, 2017. Kingston, Jamaica.
- Dennie, D, Louboutin, JP. Inhibition of the chemokine receptor CCR5 in the control of kainic acid-induced neurotoxic injury. Immunity and Inflammation in Epilepsy, 2nd Meeting, October 13–15, 2016, Milano, Italy.
- Louboutin, JP, Dennie, D, Chekmasova, E, Marusich, E, Agrawal, L, Strayer, DS. Targeting CCR5 for neuroprotection and regeneration in experimental seizures. Immunity and Inflammation in Epilepsy, 2nd Meeting, October 13–15, 2016, Milano, Italy.

- Cawich, SO, Gardner, MT, Shetty, R, Naraynsingh, V. Venous drainage patterns of the liver: is it different in the Caribbean population? Annual Symposium of the Caribbean Association of Endoscopic Surgeons. June 15, 2016.
- Garvey-Ramocan, KS, Gardner, MT. The foramen magnum as a determinant of sex in a series of Jamaican crania. Inaugural Conference of the Caribbean Association of Forensic Sciences. Oral Presentation. July 20–22, 2016. Caribbean Association of Forensic Sciences, Supplemental 2016. Kingston, Jamaica.
- Gordon, C., Porter R, Thomas, S, Dawes M, Newell C (2017). Neighbourhood walkability and physical activity in urban communities in Jamaica. Presented at The World Confederation for Physical Therapy Congress, July 2017, Cape Town, South Africa.
- Thompson T., Salmon D., Brown P.D., Ali M. (2016). The Effect of Nicotine on Biofilm Formation and Growth in *Pseudomonas aeruginosa*. UWI Faculty of Medical Sciences 25th Annual Research Conference, Kingston, Jamaica, November 9–11, 2016. *West Indian Med. J.* 65 (Suppl. 6): 27 (Abstract).
- Stephenson S., Brown P.D. (2017). Dam methylation and antibiotic resistance in uropathogenic *Escherichia coli*. 2nd International Caparica Conference in Antibiotic Resistance, Caparica (Lisbon), Portugal. June 12–15, 2017. (Abstract)
- Nelson, A Lewis, C Golding, M McKoy. Investigation of the laxative effects of extracts of the *Spathodea campanulata* plant. In: Proceedings of the 25th Annual Research Conference held November 9–11, 2016, University of the West Indies, Mona Campus. *West Indian Medical Journal* 65 (Suppl 6): 39 Abstract P-8.
- Richards, J, Gibson, R, Richards, N, Thomas-Brown, P, Gossell-Williams, M. Preliminary assessment of the Geriatric Anxiety Scale in the Jamaican population: case study. In: Proceedings of the 25th Annual Research Conference held November 10–11th, 2016 University of the West Indies, Mona Campus. *West Indian Medical Journal* 65 (Suppl 6): 36 Abstract P-2.

- McKenzie, K, Langott, E, Campbell, J, Elliott, V, Gossell-Williams, M. (2016). Prevalence of potential interactions with warfarin use at the University Hospital of the West Indies Cardiology Clinic. In: Proceedings of the 25th Annual Research Conference held November 10-11th, 2016 University of the West Indies, Mona Campus. *West Indian Medical Journal* 65 (Suppl 6): 37 Abstract P-5.
- Turfus, S.C, Delgoda, R, McKenzie, J, Lindsay C, Nelson, R, Ricketts, S, Malcolm, C, Pavy, Mansingh, A and S Roopchand-Martin, S. (2017). An investigation into the use of supplements consumed by Jamaican student athletes: A multi-faceted approach. Caribbean Poison Information Network (CARPIN) 8th Scientific Conference. College of Health Sciences, University of Technology, Jamaica, 25–26 March 2017.
- Malcolm, S, Pavy, C, Lindsay, C and Turfus, S.C. (2017). Screening for the presence of banned and undeclared substances in dietary supplements available in Jamaica. Forensic Science exhibit. UWI Research Days 2017. The University of the West Indies, Mona campus, 1–3 February 2017.
- Scarlett, M, Foote, L and Turfus, S.C. (2017). Analysis of 9-tetrahydrocannabinol (THC) effects on larvae development of the hairy blow flies (*Chrysomya rufifacies*, diptera:Calliphoridae) and flesh flies (diptera: Sarcophagidae). Forensic Science exhibit. UWI Research Days. The University of the West Indies, Mona campus, 1st–3rd February 2017.
- Wilson, T, Gossell-Williams, M, Gordon-Strachan, G, Dasgupta, S, Williams, E, Wilks, R, Goldberg, E.M, Williams-Johnson, J. (2016). Elevated blood pressure in Jamaican patients: an evaluation in the emergency department at the University of the West Indies. In: Proceedings of the 25th Annual Research Conference held November 10-11th, 2016 University of the West Indies, Mona Campus. *West Indian Medical Journal* 65 (Suppl 6): 47 ABSTRACT P-28.
- Dougan, S, Wilson-Clarke, C, Kerr, J, Gossell-Williams, M. (2016). Innovator Biopharmaceuticals and Biosimilars in the Jamaican Healthcare System. In: Proceedings of the 25th Annual Research

Conference held November 10-11th, 2016 University of the West Indies, Mona Campus. *West Indian Medical Journal* 65 (Suppl 6): 47 ABSTRACT P-29.

- Daley, D; Yee, T, Reese, P and Lindo, R.L. (2016). The potential functional foods and nutraceutical products from hypoglycaemic compounds isolated from *Eucalyptus camaldulensis*. The Joint Meeting 16th Annual International Conference on the Science of Botanicals (ICSB) and the American Society of Pharmacognosy (ASP).
- Foster, S.R, Alexander-Lindo, R.L, Dilworth, L.L, Bustamante, J, Omoruyi, F.O (2016). Anti-diabetic properties of combined inositol hexakisphosphate and inositol in streptozotocin-induced type 2 diabetes mellitus Sprague-Dawley Rats. 68th American Association for Clinical Chemistry (AACC) Annual Meeting, Scientific Meeting & Clinical Lab Expo, Pennsylvania Convention Center of Philadelphia, Pennsylvania. July 31–August 4, 2016
- Bartley, T, Reese, P and Lindo, R.L. (2016). Hexane Extract of *Salvia serotina* (Chicken Weed) Displays the Hypoglycaemic Role in Normal Sprague-Dawley Rats. The University of the West Indies, Faculty of Medical Sciences, 25th Annual Research Conference & Workshop. One Health, One Caribbean, Faculty of Medical Sciences Teaching & Research Complex, November, 2016.
- Peddie, DA, Bryan, SJ and Alexander-Lindo, RL. (2017). Hypoglycaemic Potential of *Smilax balbisiana* (Chainy Root) Extracts in Normal, Healthy Sprague-Dawley Rats. University Diabetes Outreach Programme (UDOP). The 23rd Annual International Conference, Diabetes and the Skin: Be Aware April 20–22, 2017. **First Place Prize For Best Poster**
- Lattibeaudiere, K.G, Porter, R.B.R, Alexander-Lindo, R.L (2017). The Effects of Extracts from *Desmodium canum* (Strong Back Weed) on Blood Glucose Concentration and Haemodynamic Parameters in Sprague-Dawley Rats. University Diabetes Outreach Programme (UDOP). The 23rd Annual International Conference, Diabetes and the Skin: Be Aware April 20–22, 2017. **2nd Place Prize For Best Poster**

## WORKSHOPS/TRAINING COMPLETED

### Dr. Lauriann Young-Martin

- Received the Certificate of Participation for completing workshop on “Using OurVLE to Create Classroom Assessment” organized by CETL, UWI, January 26, 2017.
- Received the Certificate of Participation for completing workshop on “Prezi – Presentations Have Never Been this Good” organized by CETL, UWI, February 2, 2017.
- Completed the “Blackboard Collaborate (BBC) Training for Faculty Trainers, May 8–16, 2017, organized by the UWI Open Campus.

## ABSTRACTS

- Dawes M, Newell C, Gordon, C., Hudson G (2016) Neighbourhood walkability and physical activity in the Harbour View Community, Kingston, Jamaica. *West Indian Medical Journal*, vol 65, Suppl 6, pg. 32.
- Foster S R., Omororuyi F O., Dilworth L L., Bustamante J and Alexander-Lindo R L.(2016). The Effect of Inositol Hexakisphosphate and Inositol Combination on Renal and Hepatic Function and Antioxidant Status in Streptozotocin-induced Type 2 Diabetes Mellitus Sprague-Dawley Rats. 6 *West Indian Medical Journal*, 65 (1): 34
- Daley, D; Yee, T, Reese, P and Lindo, RL. The potential functional foods and nutraceutical products from hypoglycaemic compounds isolated from *Eucalyptus camaldulensis*. The Joint Meeting 16<sup>th</sup> Annual International Conference on the Science of Botanicals (ICSB) and the American Society of Pharmacognosy (ASP). (2016)
- Foster, S.R, Alexander-Lindo, S.R, Dilworth, L.L, Bustamante, J, Omoruyi, F.O. (2016). Anti-diabetic properties of combined inositol hexakisphosphate and inositol in streptozotocin-induced type 2 diabetes mellitus Sprague-Dawley Rats (2016) *Clinical Chemistry* 62 (10): 28 (B003).
- Bartley, T, Reese, P and Lindo, R.L. Hexane Extract of *Salvia serotina*

- (Chicken Weed) Displays the Hypoglycaemic Role in Normal Sprague-Dawley Rats. *West Indian Medical Journal* 65 (Suppl 6): 49
- Lattibeaudiere KG, Porter RBR, Alexander-Lindo R. The Effects of Extracts from *Desmodium canum* (Strong Back Weed) on Blood Glucose Concentration and Haemodynamic Parameters in Sprague-Dawley Rats. *Jamaica Journal of Science & Technology* 27 (2): 36 (2017)
  - Peddie DA., Bryan SJ., and Alexander-Lindo RL. Hypoglycaemic Potential of *Smilax balbisiana* (Chainy Root) Extracts in Normal, Healthy Sprague-Dawley Rats. *Jamaica Journal of Science & Technology* 27 (2): 35 (2017)

## PUBLICATIONS

### Book

Badal, S, and Delgoda, R, (2016). *An Introduction to Pharmacognosy: Fundamentals, Applications and Future Strategies*, Pgs 738. ISBN-13: 978-0128021040. Copyright © 2017 Elsevier Inc.

### Book Chapters

- Amarakoon, I I, Hamilton, C-L, Mitchell, S A, Tennant, P F and Roye, M E (2017). Biotechnology In: Simone Badal and Rupika Delgoda (Eds) *Pharmacognosy: Fundamentals, Applications and Strategy*. Chap 28: 549–564. Elsevier Academic Press, UK.
- Elufioye, TO, and Badal, S, (2016). Background to Pharmacognosy in *An Introduction to Pharmacognosy: Fundamentals, Applications and Future Strategies*, Badal S (Ed.) and Delgoda R, p4–12. ISBN 13: 978-0128021040.
- Badal, S, Byfield, G, Brown, MC, Lawrence, Y, Hartley, S, Daley, DK, and Smith, KN., (2016). Areas of science embraced by Pharmacognosy in *An Introduction to Pharmacognosy: Fundamentals, Applications and Future Strategies*, Badal S (Ed.) and Delgoda R (Ed.), p31–42. ISBN 13: 978-0128021040.

- Badal, S, (2016). Plant metabolites and more treating various ailments: Natural products treating diseases in *An Introduction to Pharmacognosy: Fundamentals, Applications and Future Strategies*, Badal S (Ed.) and Delgoda R (Ed.), p337–357. ISBN 13: 978-0128021040.
- Daley, DK, Brown, KJ and Badal, S, (2016). Fungal metabolites in *An Introduction to Pharmacognosy: Fundamentals, Applications and Future Strategies*, Badal S (Ed.) and Delgoda R (Ed.), 2016, p. 413–420. ISBN 13: 978-0128021040.
- Marusich, E, Louboutin, J.P, Strayer, D.S. (2017). Expression of GluR6, a kainate receptor, in human lymphocytes. In Walker, JT and Jones, CM (Eds.). *Biochemistry Research Summaries*, Vol. 2. Nova Science Publishers, Hauppauge, NY. Hardcover and ebook. Chapter 89.
- Louboutin, J.P, Reyes, B.A.S, Agrawal, L, van Bockstaele, E.J, Strayer, D.S (2016). Assessment of apoptosis and neuronal loss in animal models of HIV-1-Associated Neurocognitive Disorder. In E.J. van Bockstaele (Ed.). *Neuromethods 115. Transmission Electron Microscopy Methods for Understanding the Brain*. Humana Press, Springer Verlag, New York, NY, (pp. 217–243).
- Turfus, S.C, Delgoda, R, Picking, D, Gurley. B. (2016). Pharmacokinetics. In Badal, S and Delgoda, R (ed.) *Pharmacognosy: Fundamentals, Applications and Strategy*. Academic Press (Published November 29th 2016).

## TECHNICAL REPORTS

- Brown, S, Randle, M., Motilal, L, Amarakoon, I, Tennant, P, Asemota, H (2016). Ed. H. Asemota & P. Guevera. DNA Fingerprinting of Plants: Approaches, Applications and Relevance to the Agricultural Sector in the Caribbean and Latin America. Laboratory Manual for the 2016 UWI-United Nations University Training Programme for Latin American & Caribbean Countries. Submitted to United Nations University BIOLAC November 2016.
- Ragoobirsingh, D. (2016). WHO Guideline Development Group

Nutrition Action 2013–14 et al, WHO Guideline: Fortification of maize flour and corn meal with vitamins and minerals. WHO Press, Geneva: World Health Organization, 5 December 2016. <http://www.who.int/nutrition/publications/guidelines/en/>

- Ragoobirsingh, D. (2016). WHO Guideline Development Group Nutrition Action 2013-14 et al, WHO Guideline: Use of multiple micronutrient powders for point-of-use (home) fortification of foods consumed by infants, young children aged 6–23 months and children aged 2–12 years. WHO Press, Geneva: World Health Organization, 12 December 2016. <http://www.who.int/nutrition/publications/guidelines/en/>

#### PEER-REVIEWED JOURNAL ARTICLES

- Anglero-Rodriguez YI, Blumberg BJ, Dong Y, Sandiford SL, Pike A, Clayton AM, Dimopoulos G, (2016). A natural Anopheles-associated *Penicillium chrysogenum* enhances mosquito susceptibility to *Plasmodium* infection. *Scientific Reports*.
- Badal, S, Valenzuela, AMM, Zylstrac, D, Huang, G, Vendantam, P, Francis, S, Quitugua, A, Amis LH, Davis, W, Tzeng, TJ, Jacobs, H, Gangemi, GJ, Raner, G, Rowland, L, Wooten, J, Campbell, P, Brantley E, and Delgoda, R, (2017). Glaucarubulone glucoside from *Castela macrophylla* suppresses MCF-7 breast cancer cell growth and attenuates benzo[a]pyrene-mediated CYP1A gene induction. *Journal of Applied Toxicology*, 37(7):873-883, doi: 10.1002/jat.3436.
- Salmon, D and Ali, MK (2017). An Assessment of Zebrafish Natural Color Preference and its Modification by Stimuli. *Scientific Pages Mood Disord* 2017, 1(1):17–23.
- Nwokocha C, Palacios J, Simirgiotis MJ, Thomas J, Nwokocha, M, Young L, Thompson R, Cifuentes F, Paredes A, Delgoda R (2017). Aqueous extract from leaf of *Artocarpus altilis* provides cardio-protection from isoproterenol induced myocardial damage in rats: Negative chronotropic and ionotropic effects. *Journal of Ethnopharmacology* 2017; 203, doi: 10.1016/j.jep.2017.03.037.

- Gardner NS, Luke KSJ, Wheatley AO, De La Haye W, Bahado-Singh P, Dilworth D, McGrowder DA, Barton E, Young LE, Salako-Akande A, Morrison E, Eldemire-Shearer D, Lowe H., Asemota H, (2015). Plasma cocaine metabolite and liver CYP450 3A4 isoenzyme levels as indicators of cocaine dependence in rats treated with nutritional supplements. *International Journal of Measurement Technologies and Instrumentation Engineering*, 2015 (July–December); 5(2):29–43.
- Roopchand-Martin, S, Mason, G, Gibson, R (2016). Compliance with Dance Video Gaming: Facilitating and Inhibiting Factors among Jamaican University Students. *Caribbean Journal of Psychology*. 8:1, 38–53.
- D. Ragoobirsingh, E.Morrison and L.Less (2017). Decreased Prevalence of Diabetes Mellitus in Jamaica. *J. National Medical Association*, DOI:<http://dx.doi.org/10.1016/j.jnma.2017.01.008>
- Aronica, E, Bauer, S, Bozzi, Y, Caleo, M, Dingledine, R, Gorter, JA, Henshall, DC, Kaufer, D, Koh, S, Loscher, W, Louboutin, JP, Mishto, M, Norwood, BA, Palma, E, Poulter, MO, Terrone, G, Vezzani, A, Kaminski, RM (2017). Neuroinflammatory targets and treatments for epilepsy validated in experimental models. *Epilepsia*. 58: 27-38.doi: 10.1111/epi.13783
- Francis, L, Lodenquai, P, Gardner, MT (2017) Arteria lusoria, truncus bicaroticus and variant left vertebral artery. *International Journal of Anatomical Variations*. 10: 24–25.
- Cawich, SO, Gardner, MT, Pearce, NW, Shetty, R, Naraynsingh, V (2017). Association between hepatic surface grooves and diaphragmatic slips. *Italian Journal of Anatomy and Embryology*. 122: 64–66.
- Hinderer, C, Katz, N, Louboutin, JP, Bell, P, Yu, H, Nayal, M, Kozarsky, K, O'Brien, WT, Goode, T, Wilson, JM (2016). Delivery of an adeno-associated virus vector into cerebrospinal fluid attenuates central nervous system disease in mucopolysaccharidosis type II mice. *Human Gene Therapy*. 27: 906–915.
- Hinderer, C, Bell, P, Louboutin, JP, Katz, N, Zhu, Y, Lin, G, Choa, R, Bagel, J, O'Donnell, P, Fitzgerald, CA, Langan, T, Wang, P, Casal,

- ML, Haskins, ME, Wilson, JM (2016). Neonatal tolerance induction enables accurate evaluation of gene therapy for MPS I in a canine model. *Molecular Genetics and Metabolism*. 119: 124–30. doi: 10.1016/j.ymgme.2016.06.006.
- Dennie, D, Louboutin, JP, Strayer, DS (2016). Migration of bone marrow progenitor cells in the adult brain of rats and rabbits. *World Journal of Stem Cells*. 8:136-57. doi: 10.4252/wjsc.v8.i4.136.
  - Francis, L (2016). Medial plantar artery arising from popliteal artery. *International Journal of Anatomical Variations*. 9: 79–81.
  - Cawich, SO, Gardner, MT, Shetty, R, Pearce, NW, Naraynsingh, V (2016). Accessory inferior sulci of the liver in Afro-Caribbean populations. *International Journal of Biomedical Sciences*. 12: 58–64.
  - Wright S, Gordon C, Lee M (2017). Exercise behavior in persons with chronic diseases. *West Indian Medical Journal Vol. 66 (2)*, DOI: 10.7727/wimj.2015.232.
  - Stephenson S., Brown P.D. (2016). Distribution of virulence determinants among antimicrobial-resistant and susceptible uropathogenic *Escherichia coli*. *Indian J Med Microbiol* 34(4): 1–9.
  - Fraser T and Brown P.D. (2017) Temperature and oxidative stress as triggers for virulence gene expression in pathogenic *Leptospira* spp. *Front. Microbiol.* 8:783. doi: 10.3389/fmicb.2017.00783
  - Sastry S., Masroor N., Bearman G., Hajjeh R., Holmes A., Memish Z., Lassmann B., Pittet D., Mendelson M., Macnab F., Kamau R., Wesangula E., Pokharel P., Brown P.D., Daily F., Amer F., Torres J., O’Ryan M., Gunturu R., Bulabula A., Mehtar S. (2017). The 17th International Congress on Infectious Diseases Workshop on Developing Infection Prevention and Control Resources for Low to Middle Income Countries. *Int J Infect Dis*. 57: 138–143.
  - Thompson T., Brown P.D. (2017). Association between the *agr* locus and the presence of virulence genes and pathogenesis in *S. aureus* using a *Caenorhabditis elegans* model. *Int J Infect Dis* 54: 72–76. <http://dx.doi.org/10.1016/j.ijid.2016.11.411>
  - Anglero-Rodriguez YI, Blumberg BJ, Dong Y, Sandiford SL, Pike A,

Clayton AM, Dimopoulos G (2016) A natural *Anopheles*-associated *Penicillium chrysogenum* enhances mosquito susceptibility to *Plasmodium* infection. *Sci Rep*. Sep 28;6:34084

- Tracia-Gay Kennedy-Dixon, Maxine Gossell-Williams, Maggie Cooper, Moez Trabelsi, Sobhan Vinjamuri (2017). Evaluation of radiopharmaceutical adverse reaction reports to the British Nuclear Medicine Society for the period 2007–2016. *J Nucl Med* jnumed.117.194092 published ahead of print May 18, 2017
- Foster SR, Omoruyi, FO, Bustamante J, Alexander Lindo RL and Dilworth LL (2016). The Effect of Combined Inositol Hexakisphosphate and Inositol Supplement in Streptozotocin-induced Type 2 Diabetic Rats. *International Journal of Experimental Pathology* 97(5): 397–407 [DOI 10.1111/iep.12210] [IJEP- 2016-04-2328]
- Foster SR, Dilworth L .L, Dilworth, Thompson R, Alexander-Lindo RL and Omoruyi. FO (2017). Effects of Combined Inositol Hexakisphosphate and Inositol Supplement on Antioxidant Activity and Metabolic Enzymes in the Liver of Streptozotocin-induced Type 2 Diabetic Rats. *Chemico-Biological Interactions* (309-R1)
- Oshi D. C, Omeje J. C, Oshi S. N, Alobu I. N, Chukwu N. E, Nwokocha C, Emelumadu O. F, Ogbudebe C. L, Meka A. O, Ukwaja K. N. (2017) An evaluation of innovative community-based approaches and systematic tuberculosis screening to improve tuberculosis case detection in Ebonyi State, Nigeria. *Int J Mycobacteriol*. 2017 Jul-Sep;6(3):246-252. doi: 10.4103/ijmy.ijmy\_91\_17.

## **WORKSHOPS, SEMINARS TRAINING ACTIVITIES**

### **HOSTED BY THE SECTION**

- Presentation by Dr Radcliff Goulbourne, Registrar, Pharmacy Council of Jamaica on the laws which will govern the profession as part of Pharmacy Week activities on November 21, 2016.
- Presentation by Ms Shari-Lee Johnson, Assistant Secretary, Pharmaceutical Society of Jamaica on becoming student members of the society and the benefits to be gained on November 21, 2016.

- Presentation by Dr. Remi Ojo, PharmD, R.Ph. (of Corporate Pharmacy & Compounding Centre) and Professor Alexander MacGregor, PhD (of Toronto Institute of Pharmaceutical Technology) on “Pharmaceutical Intellectual Property: Enabling a Knowledge Based Industry” on January 19, 2017.
- Doctor of Pharmacy Programme in collaboration with Roche Pharmaceuticals hosted a presentation: Critical Safety Considerations in Pharmaceutical Biotechnology. Dr Christain De Ford Biological Strategy Lead, Roche Central America & Caribbean; Mr Ricard Estrada, Legal Affairs & Compliance Officer, Roche Central America & Caribbean on January 24, 2017.
- Presentation by Mr Shomari Dillon, Medical Representative of IPCA on the role of a Medical Representative held February 18, 2017
- The Section hosted four students from the School of Pharmacy and Pharmaceutical Sciences in a one week Introductory Pharmacy Practice Experience focused on Global Health. The activities included pharmacy practice training at the University Hospital of the West Indies and the UWI Health Centre Pharmacy June 26–July 3, 2017.
- Presentation by Dr. Gina Prescott, Clinical Associate Professor & Director of Global Outreach, University at Buffalo, to members of the Pharmacy Council of Jamaica and Pharmaceutical Society of Jamaica in Immunization on June 27, 2017.
- Presentation by Dr Gina Prescott, Clinical Associate Professor & Director of Global Outreach, University at Buffalo, to the Pharm D students on Careers in Pharmacy: International Perspective on June 27, 2017.

## **INCOME GENERATION/FUNDING**

### **Research Grants**

#### **Dr. Simone Sandiford**

Principal's New Initiative Award - \$JMD 1.5 million – “Establishment of a mosquito surveillance programme for the detection of viruses and other pathogens in various mosquito species in Jamaica”.

**Professor Dalip Ragoobirsingh**

US\$6945.46 – Post Graduate Research Award for Ms Allison Sugrim project, University of the West Indies, Cave Hill Campus, entitled: Diabetes distress and its relationship to adherence to Medical regimens in Type 2 Diabetes Mellitus in a Caribbean population.

**Professor Paul Brown**

- Campus Research and Publication Fund (CRPF), UWI, Mona  
Role: PI (Awarded to Rochell Davis)  
Investigation of the role of the stringent response in stress tolerance and antimicrobial resistance in *Klebsiella pneumoniae* and its contribution to *in vivo* pathogenesis US\$2902
- American Society for Microbiology (ASM) Ambassador Project Fund  
Role: PI  
ASM activities in Jamaica  
US\$550.00

**Dr. Chukwuemeka Nwokocha**

- 50 Sphygmomanometers valued at Five hundred Thousand Dollars (\$500,000) from the International Society of Hypertension for the “Cadmium and hypertension in Jamaica: any correlation?”

**Dr. Simone Sandiford** – Principal’s New Initiative – \$JMD 1.5 million

**Dr. Cameil Wilson-Clarke** – Lasco funding to cover the cost of white coat for the Doctor of Pharmacy students – \$JMD 100,000.00.

**Dr. Cameil Wilson-Clarke** – Initiation of the Clinical Trials Phase 2 study of Sevuparin: A Multi-Centre, Phase II, Randomized, Double-Blind, Placebo-Controlled Study to investigate Efficacy and Safety of Sevuparin Infusion for the Management of Acute Vaso-Occlusive Crisis (VOC) in Subjects with Sick-Cell Disease (SCD).

- Phase 2 study of EXTEND: Expanding Treatment for Existing Neurological Disease (EXTEND) The primary goal of the Phase II EXTEND trial is to investigate the effects of open-label hydroxyurea treatment, escalated to maximum tolerated dose, for children with

Sickle Cell Anemia and either conditional (170–199 cm/sec) or abnormal ( $\geq 200$  cm/sec) Transcranial Doppler velocities. The primary endpoint will be measured after 18 months of hydroxyurea but treatment will continue until a common study termination date.

**Dr. Lisa Lindo**

- Investigating the Effects of *Salvia serotina* (Chicken Weed) on the Blood Glucose Concentration and Haemodynamic Parameters in Normal Sprague–Dawley Rats

Amount: US \$1,668.00 (2016)

US\$2,321.42 (2017)

**Total US\$3,998.42**

- Investigating the Effects of *Smilax balbisiana* on the Blood Glucose Concentration and Haemodynamic Parameters in Normoglycaemic Rats”

Amount: US \$ 1500.00 (Ja \$ 193,757.12; March, 2016)

US\$ 3000.00

**Total US\$4500.00**

- Investigating the Effects of extracts on Testosterone Levels, Blood Glucose Concentration and Penile Erection in Sprague-Dawley Rats

Amount: US \$1938.96

**GRAND TOTAL: US \$10,437.38**

**PUBLIC SERVICE**

**Professor Paul Brown**

- President, WIGUT (Jamaica).
- Chief Judge, Secondary Schools division, JPS Science and Technology Expo for Schools, National Finals. March 2016
- Adjudicator, American International School of Kingston (AISK) Middle School Science Fair. April 2017

- Country Ambassador to Jamaica, American Society for Microbiology (ASM).
- Member, Research Subcommittee, International Society of Infectious Diseases. Terms: Oversight of ISID's research grants & awards and fellowship programs.
- Member, American Society for Microbiology (ASM) Leadership Circle.

**Professor Wayne McLaughlin**

- Board Member, Coconut Industry Board
- Board member, Seprod Limited

**Dr. Andrew G. M. Pearson**

- Chair of the International Standards Organisation Technical Committee 93: Starch & its Derivatives 15th. Plenary Meeting 21–22nd March, 2017.
- Appointed member of the Private Sector Organisation of Jamaica Innovation Committee

**Dr. Chukwuemeka R. Nwokocha**

- Country Co-ordinator, International society of Hypertension May Month measurement for blood pressure awareness and management.
- Global health Initiative and Henry Ford Hospital, Detroit, Michigan Hypertension and Vascular research invitation.
- Chairman, FMS Research Conference Abstract Committee

**Dr. Kerith Golden**

- Vice President, Stock Farm Road Citizens Association, Golden Spring, St Andrew.
- Member of the Board (Vice President) for Jamaica Association for Children with Learning Disabilities.

**Dr. Rachael Irving**

- Committee Member: National Sports Museum

**Professor Dalip Ragoobirsingh**

- Director UWI (Mona) Diabetes Education Programme
- Diabetes Association of Jamaica (DAJ) – Consultant Diabetes Educator
- The University Diabetes Outreach Programme (UDOP) – Director Research
- University Hospital of the West Indies (UHWI) – Consultant Diabetes Educator
- Ministry of Health, Jamaica (MOH) – Panel member on Technical Advisory Committee, The Chronic Diseases and Injuries Unit updating the National Guidelines for the management of diabetes.
- Pan American Health Organization Special Technical Committee to revise and update the nutrient requirements and recommended dietary allowances (RDAs) for the populations in the English speaking Caribbean.
- World Health Organization Guideline Development Group.

**Dr. Cameil Wilson-Clarke**

- Anti-Cancer Research Jamaica Foundation (ACRJ)
- American Association of Colleges of Pharmacy (AACP)
- International Pharmaceutical Federation of (FIP)
- American College of Clinical Pharmacists (ACCP)
- Bioethics Society of the English-Speaking Caribbean (BSEC)
- American Society of Health System Pharmacist (ASHP), USA
- Mentor, Future Leaders of Jamaica Foundation
- Member, Future Leaders of Jamaica Mentorship and Outreach Committee
- Coordinator of the Pharmaceutical Society of Jamaica *ASTRA RUN* (5k Walk/Run)
- Organised Community Health Fairs (Free Clinics) for Ridge Community Annual Health Fair, St. Peter's Anglican Health Fair, Pharmaceutical Society of Jamaica Annual Week Health Fair

- Served on the Education Committee, National Kidney Foundation of Jamaica 2017: ACRJ Committee Member

**Dr. Maxine Gossell-Williams**

- American Association of Colleges of Pharmacy

**Dr. Lisa Lindo**

- American Friends of Jamaica (AFJ) / Sue Cobb Lecture Series-Chair
- Caribbean Academy of Sciences, Director – Treasurer
- Fulbright Alumni Association School's Outreach Association
- Sts. Peter and Paul Sunday School Activities
- Catholic School Ministry

**Dr. Lauriann Young-Martin**

- Lector and Member of the Liturgical Committee of Holy Cross Roman Catholic Church
- Fund-raiser for Holy Cross Church
- Fund-raiser for Convent of Mercy (Alpha) High School
- Member of the Women in World Neuroscience (WWN)
- Member of the Society for Neuroscience (SfN)
- Founding Member of the Bioethics Society of the English Speaking Caribbean (BSEC)
- Member of the International Brain Research Organization (IBRO)

**Dr. Icolyn Amarakoon**

- Chair, Technical Service Advisory Committee, Basic Medical Sciences
- Member, Working Group Hazardous Waste Management Project
- Mentor, Future Leaders of Jamaica
- Member, Society for Scientific Advancement (SoSA)
- Member, Fulbright Alumni Association

**Dr. Sharmella Roopchand-Martin**

- Chair for CARPHA's Research Ethics Committee
- Secretary for Bioethics Society for the English Speaking Caribbean

**Dr. Jean-Pierre Louboutin**

- Member of Editorial Boards of 27 journals
- Reviewer of 60 peer-reviewed journals
- Reviewer of grants for Scientific Council of Romania (Young Investigators Awards in 2015)

**Dr. Audrey Jacob**

- Participated in the Read across Jamaica Day events at Immaculate Conception Preparatory School

**Dr. Carron Gordon**

- Member and Ministry Leader, Christian Life Fellowship Church
- Manuscript Reviewer, *West Indian Medical Journal* and *Disability and Rehabilitation Journal*
- Member, Jamaica Physiotherapy Association

**Ms. Gail Nelson**

- Member, Jamaica Physiotherapy Association
- Member, Philharmonic Orchestra of Jamaica (2013–to present) – Violist; Board of Management
- Member, UWI Classical and Jazz Ensemble (2015–to present)
- Accredited Local Preacher – Methodist Church in the Caribbean and the Americas

**Dr. Sonja Williams**

- Member, Jamaica Physiotherapy Association
- Continued involvement in the exercise classes for older adults offered by the Mona Ageing Centre

**Ms. Gillian Hudson**

- Member, Jamaica Physiotherapy Association
- Consie Walters Cancer Care Center Executive Member; Friends of Sir John Golding Rehabilitation Center

**Dr. Jacqueline Campbell**

- Volunteer physician, Women's Health Network
- Member, Management Committee of the Caribbean Poison Information Network (CARPIN)

**Dr. Sophie Turfus**

- Judge at the American International School of Kingston Science Fair held March 17, 2016.
- Member, International Association of Forensic Toxicologists
- Member, London Toxicology Group
- Joined the Caribbean Association of Forensic Sciences in which she is Public Relations Officer
- Mentor, Future Leaders of Jamaica Foundation
- Member, Philharmonic Orchestra of Jamaica

**UNDERGRADUATE STUDENTS REGISTRATION**

**BB Med Sci. (Physiology Major)**

Year 1 = 60

Year 2 = 13

Year 3 = 8

**BSc -Physical Therapy**

**Enrolment**

Year 1 = 39

Year 2 = 66

Year 3 = 69

**Total = 174**

## **BSc – Physical Therapy**

### **Graduated**

50 students graduated in October 2016

## **MSc – Physical Therapy**

1 student graduated in October 2016

No new enrolment for 2016-2017

## **MBBS/ DDS**

Year 1 = 270/25

Year 2 = 330/12

## **POST GRADUATE STUDENTS REGISTRATION**

### **Taught Masters**

MSc Forensic Science = 19

MSc Applied Pharmacology = 6

MSc Biomedical Research = 20

MSc Physical Therapy = 0

### **Research**

MPhil = 34

PhD = 16

### **PharmD**

Year 1 = 20

## **VISITORS TO THE DEPARTMENT**

Dr. Melrose Stewart-Fraser from University of Birmingham, London, UK visited the Physical Therapy Section in the capacity as The External Examiner for the Final Professional Examination held in July 2017.

Michelle Johnson and team from University of Pennsylvania visited to explore research collaboration in “Robotics in Stroke Rehabilitation”.

A team from the University of Pennsylvania visited the department in November 2016.

- UPenn and UWI Mona to explore joint Masters and PhD research
- UWI Physical Therapy to explore research partnership in testing the Rehab Care (4 compartments) prototype machines from Michelle’s research
- Mona Engineering to explore ways to produce lower cost designs and will partner with Penn Medicine
- Research exploration on Cognitive skill improvement is needed. Develop control algorithms.

## DEPARTMENT OF CHILD AND ADOLESCENT HEALTH



**Roxanne Melbourne Chambers** MBBS (Hons), DM (Paeds)  
Head of Department

### WORK OF THE DEPARTMENT

The Department of Child and Adolescent Health continues to strive towards excellence in clinical service, research, intellectual leadership, advisory and community services and training of undergraduate students and postgraduate doctors. The academic staff is comprised of four professors, two senior lecturers, four lecturers, eight associate lecturers (University Hospital of the West Indies) and a Public Health Nurse. There are twenty five associate lecturers in peripheral clinical training sites who support teaching of medical students in public hospitals. There are two members of administrative staff and one office attendant. In-patient clinical services are delivered through two paediatric medical wards and a newborn special care unit which includes a neonatal intensive care unit. Out-patient clinical services are delivered through general and

sub-specialty clinics in cardiology, development and behaviour, endocrinology, haematology and oncology, infectious diseases, neonatology, nephrology, neurology, and pulmonology and a Paediatric Casualty.

The Department has been involved in collaborative research with other faculties of the University of the West Indies and several overseas institutions such as the University of Texas and the Children's Nutrition Research Centre (CNRC), Baylor College of Medicine, Texas and Yale University. These partnerships have also afforded student exchanges and this academic year several postgraduate students pursued electives at Yale University and the University of Toronto – Hospital for Sick Children. Several members of the Department are involved in health promotion activities such as media presentations both print and electronic, community health fairs and presentations to the public. Members also demonstrated intellectual leadership through their involvement with several advisory boards.

The Department offers two undergraduate courses as part of the MBBS programme and a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics) with students registered in Jamaica and in the Bahamas. The Department also offers a fellowship in Neonatology and the Post-graduate diploma in Loss, Grief and Trauma Management.

Additionally, staff of the Department teach courses in child and adolescent health related areas and provide research and clinical supervision to students enrolled in undergraduate programmes in Nursing and Midwifery and postgraduate programmes in Clinical Psychology, Education, Nutrition, Family Medicine, Epidemiology and Public Health. There were 329 junior students and 270 senior students who completed the Child and Adolescent Health rotations over the last year.

There were 51 postgraduate students registered in the DM Paediatrics programme during the academic year 2016/2017. Thirty four students were registered in Jamaica and 17 students were registered in the Bahamas. Seventeen candidates sat the DM Part 2 final examination and 12 (70.6%) were successful while 13 candidates sat the DM Part 1 examinations and 12 (92.3%) were successful. Ten candidates started the

program on July 1st 2017; 8 were registered in Jamaica and 2 were registered in the Bahamas.

## **TEACHING, LEARNING AND STUDENT DEVELOPMENT**

**Focus Group Discussion on the Junior and Senior Clerkship Rotations in Paediatrics** – Cognizant of the increasing numbers of medical students rotating through the Department and changes which have been made to the delivery of the programmes for the junior and senior clerkships in Paediatrics, the Department of Child and Adolescent Health has undertaken focus group discussion to understand the experiences and opinions of the students. This has begun with students and interns who have completed the junior clerkship rotations in Paediatrics. The results of this study were very revealing and will be used to develop an action plan to improve the delivery of the clerkship in order to improve the students' experience.

### **Improvement to the Physical Facilities of the Paediatric Out-patient Department (POPD) and Child Welfare Clinics, University Hospital of the West Indies**

In response to the increasing number of medical students and in order to improve the facilities for consultation with families in the POPD and Child Welfare Clinic through which junior and senior medical students rotate, a request was made of the University Hospital of the West Indies to upgrade these facilities. This renovation has resulted in a doubling of the number of consultation rooms and sound proofing of the rooms for confidentiality. Air conditioning is to be installed for student, staff, client and family comfort.

### **UWI/ GUARDIAN GROUP PREMIUM TEACHING AWARDEE 2016**

Dr. Helen Trotman-Edwards, Senior Lecturer, was the 2016 UWI/ Guardian Group Premium Teaching Awardee.

## **PERINATAL AUDIT, SYMPOSIUM AND CONFERENCES**

The Department hosted a series of symposia and conferences during the Academic year 2016–2017.

- **Biennial International Child Health Conference** – The Department of Child and Adolescent Health hosted its 7th Biennial Conference with the theme “Caring for our Children” October 8th–9th, 2016 at the Faculty of Medical Sciences Teaching & Research Complex Lecture Theatre 1. There were presentations by Drs. Ingrid Tein, K. Nickels and J. Bodensteiner of the International Child Neurology Association as well as presentations by distinguished local faculty.
- **Distinguished Lecture by the Children’s Advocate** – Mrs. Diahann Gordon Harrison, the Children’s Advocate, Jamaica, on the invitation of the Department presented a lecture on ‘Laws governing the care of children and adolescents in Jamaica’ on February 7th, 2017 at the Hugh Wynter Fertility Unit, UHWI. The lecture was attended by physicians (consultants and residents), nurses, social workers and administrators including the Chief Executive Officer, UHWI and the Medical Chief of Staff, UHWI. This lecture was arranged in response to the Registrar’s request to have faculty members updated on laws relevant to their area of specialization as the UWI takes steps to assure its legal compliance.
- **Perinatal Audit and Symposium** – This year was the sixteenth year of the Perinatal Audit and Symposium. This annual conference was held on the 25th and 26th February 2017. This is a joint effort between the Departments of Obstetrics and Gynaecology and Child and Adolescent Health with external review of perinatal statistics by practitioners from outside units. The theme this year was “Medical Disorders In Pregnancy”.
- **Lecture Series by Dr. Michael Rich, Founder and Director of the Center on Media and Child Health, Associate Professor at Harvard Medical School and Harvard School of Public Health** – A series of lectures on the influence of media on our health and relationships was given by Professor Michael Rich, April 3–5, 2017. Professor

Rich is the founder and director of the Center on Media and Child Health and Associate Professor at Harvard Medical School and Harvard School of Public Health. This series was hosted by the Department of Child and Adolescent Health in association with the Department of Sociology, Psychology and Social Work.

- **Neuro-Oncology Symposium** – This was held in association with the Hospital for Sick Children (HSC) Caribbean Initiative on June 12 and 13, 2017. There were presentations by Dr. Ute Bartels, Neuro-Oncologist, HSC and local faculty including Dr. Michelle Reece Mills, Lecturer, Department of Child and Adolescent Health.

## DEPARTMENTAL RETREATS

Two retreats were held in January and on June 1, 2017 with attendance of full-time and associate lecturers from the University Hospital of the West Indies and the peripheral clinical training sites to discuss aspects of the undergraduate paediatric programme and strategies for improvement.

At the June retreat a staff development activity was planned. Dr Alicia Palmer, Educational Developer (Technology), CETL made an interactive presentation on “A Fun and Engaging Tool for Assessment – Zzish, a powerful teacher’s data platform”. This presentation served to increase lecturers’ awareness of CETL while obtaining a one hour long instruction on a powerful teacher’s platform.

## PAPERS PRESENTED

- **Christie CD.** Arbovirus Infections in Children. PENTA Foundation Investigators’ Meeting, San Servolo Island, Venice, Italy, November, 2016.
- **Christie CD.** “ZIKAction: Preparedness, Research and Action Network on Maternal-Paediatric Axis of ZIKV Infection in Latin America and the Caribbean” – Multiple presentations viz: to Leadership of Ministry of Health, UWI’s Dept of Child and Adolescent Health, Dept of Obstetrics and Gynecology, Health care workers in public and private sector, researchers and many others, during 2016.

- **Pottinger A.** “Crisis in Paediatrics: Violence against our children”. Paediatric Association of Jamaica Annual Conference, Faculty of Medical Sciences Teaching and Research Complex, The University of the West Indies, April 29–30, 2017.
- **Pottinger A.** “Parenting a non-biological child.” The Department of Child and Adolescent Health 7th Biennial Conference, Faculty of Medical Sciences Teaching & Research Complex, The University of the West Indies, Mona, October 8–9, 2016.
- Coore-Desai C, Rahbar, M. H., **Samms-Vaughan, M.**, Dickerson, A. S., Hessabi, M., Bressler, J., Coore Desai, C., Shakespeare-Pellington, S., Reece, J-A., Morgan, R., Loveland, K. A., Grove, M. L., Boerwinkle, E. “Environmental and Genetic Factors associated with Autism Spectrum Disorder in Jamaica”. EEARN Meeting, San Francisco, California, May 2017.
- Washington K, McKinney L, Shaw B, Rebholtz A, McLeod S, Devonish H & **Samms-Vaughan M.** “Characterizing Grammatical Development in Jamaican Creole and Standard English Using Index of Productive Syntax”. Presented at American Speech-Language-Hearing Association Annual Convention, Philadelphia, Pennsylvania, November, 2016.
- Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, **Samms-Vaughan ME**, Ashley DE, Wilks RJ. “Social and Biological Correlates of Elevated Blood Pressure in Afro-Caribbean Youth: Effect of Individual Risk Factors and Risk Factor Clustering”. American Heart Association Council of Hypertension Scientific Session, Orlando, Florida, September 2016.
- **Pottinger A.** “The Role of Parents in Violence Prevention”. Paediatric Association of Jamaica 21st Biennial Paediatric Conference. Kingston, Jamaica. April 29, 2017.
- **Samms-Vaughan M.** “Poly-victimization: Its Impact on our Children”. Paediatric Association of Jamaica 21st Biennial Paediatric Conference. Kingston, Jamaica. April 29, 2017.
- **Harrison A.** “Resilience in Youth”. Paediatric Association of Jamaica 21st Biennial Paediatric Conference. Kingston, Jamaica. April 29, 2017.

- **Melbourne-Chambers R.** “Congenital ZikV”. Paediatric Association of Jamaica 21st Biennial Paediatric Conference. Kingston, Jamaica. April 29, 2017.
- **Christie-Samuels C.** “Zika Virus Research in Mothers & Children in Latin America & the Caribbean”. Paediatric Association of Jamaica 21st Biennial Paediatric Conference. Kingston, Jamaica. April 29, 2017.

## CONSULTANCIES/ COLLABORATIONS

- **Christie CD.** Organiser and Co-Chair (with Carlo Giaquinto, President PENTA Foundation and Professor of Maternal and Child Health, University of Padua, Italy). “ZikAction Kick off Conference” hosted by UWT’s Vice-Chancellery and Regional Headquarters, Kingston, Jamaica, October 29–31, 2016.
- **Christie CD.** Organiser and Co-Chair (with Dr Steven Welch, Consultant Pediatrician, Birmingham, UK, Head of Training for PENTA Foundation). “Tr@InforPedHIV (Perinatal, Paediatric and Adolescent HIV//AIDS) Residential Conference” Frenchman’s Cove Hotel, Port Antonio, Portland, Jamaica, November 1–4, 2016.
- **Christie CD.** Member, UWT’s Regional ZIKA V Task Force, “One Environment – One Health”, Representing Paediatrics and Mother to Child Transmission, inaugural Conference in Barbados. Appointed by the Vice-Chancellor, UWI.

## PUBLICATIONS

### Refereed Journal Articles

- **Christie CDC,** Palmer PM, Tomlinson J., Green-Douglas T., Hamilton M., **Pierre RB.,** Hylton-Kong T., Morgan O., Barrow G., Mitchell P., Skyers N., Stevens E-J., Condell-Gibson N, Harvey KM. “Achieving Elimination of Vertical Transmission of HIV in Jamaica”. *Annals of Public Health and Research* 2017;4(2);1091-9.

- **Pierre RP, Fulford-Ramdial TA, Lewis KRP, Palmer PM, Walters C., Christie CDC.** “Infectious disease morbidity and growth among young HIV-exposed, uninfected children in Jamaica”. *PAHO/WHO Journal of Public Health. Special Issue. “HIV in the Americas”*. Rev Panam Salud Publica. 2016;40:401-419.
- **Christie CDC, Giaquinto C.** Unravelling the Zika virus epidemic through population-based research. *West Indian Med J* Sep, 2016;65:239-242.
- Webster-Kerr K, **Christie CDC**, Grant A., Chin, D.; Burrowes, H.; Clarke, K.; Wellington, I.; Shaw, K.; De La Haye W. Emergence of the Zika Virus Epidemic in Jamaica and the National Response. *West Indian Med J* 2016;65:243-249.
- **Melbourne-Chambers R., Christie CDC, Greenaway E.,** Bullock R. Neurological Syndromes in Children during the Zika virus and dengue fever outbreak in Jamaica. *West Indian Med J* 2016;65:425-430.
- **Christie CDC, Melbourne-Chambers R,** Ennevor J, Young-Pearl S, Buchanan T, **Scott-Brown P, McNeil-Beecher N, Fulford-Ramdial T, Richards-Dawson M, James-Powell T, Jackson ST.** Chikungunya fever in Jamaican children: public health effects and clinical features. *West Indian Med J* 2016;65:431-437.
- **Davidson T., Vickers I., Christie CDC.** Outcomes of dengue in Jamaican children. *West Indian Med J* 2016;65:442-449.
- **James-Powell T., Brown Y., Christie CDC., Melbourne-Chambers R., Moore JT, Morgan O., Butler B., Swaby K., Garbutt A., Anzinger J., Pierre RB., Onyonyor A., Bryan L., Palmer PM, Mitchell P, Johnson P, Bishop K., Jaggon JR., De La Haye W.** Trends of Microcephaly and Severe Arthrogryposis in Three Urban Hospitals following the Zika, Chikungunya and Dengue Fever Epidemics of 2016 in Jamaica. *West Indian Med J*, 2017; 66:10–19.
- **Harrison A, Areemit R, Kanbur N.** Trainees’ experience and perspective: Opportunities and challenges in adolescent health training abroad. *Int J Adolesc Med Health*. 2016 Aug 1; 28(3):285–9.

- **Harrison A**, Chambers J, Campbell-Forrester S. Adolescent health in the Caribbean region: Insights from the Jamaican experience. *Int J Adolesc Med Health*. 2016 Aug 1; 28 (3):327-32
- Bhatt-Poulose K, James K, Reid M, **Harrison A**, Asnani M. Increased rates of body dissatisfaction, depressive symptoms, and suicide attempts in Jamaican teens with sickle cell disease. *Pediatr Blood Cancer*. 2016 Jul 9. [Epub ahead of print]
- **Pierre RB**, Fulford TA, Lewis K, Palmer P, Walters C, **Christie CDC**. Infectious disease morbidity and growth among young HIV-exposed uninfected children in Jamaica. *Rev Panam Salud Publica*. 2016 Dec;40(6):401-409. *PubMed PMID*: 28718488.
- **Thame MM**, Singh-Minott I, Osmond C, **Melbourne-Chambers RH**, Serjeant GR. Pregnancy in sickle cell-haemoglobin C (SC) disease. A retrospective study of birth size and maternal weight gain. *Eur J Obstet Gynecol Reprod Biol*. 2016 Aug; 203:16-9. doi: 10.1016/j.ejogrb.2016.05.002. Epub 2016 May 16.
- **Evans-Gilbert T**. Chikungunya and Neonatal Immunity: Fatal Vertically Transmitted Chikungunya Infection. *Am J Trop Med Hyg*. 2017 96(4):913-915. doi: 10.4269/ajtmh.16-0491. Epub 2017 Feb 6.
- Johnston HR, Hu YJ, Gao J, O'Connor TD, Abecasis GR, Wojcik GL, Gignoux CR, Gourraud PA, Lizee A, Hansen M, Genuario R, Bullis D, Lawley C, Kenny EE, Bustamante C, Beaty TH, Mathias RA, Barnes KC, Qin ZS; CAAPA Consortium. Identifying tagging SNPs for African specific genetic variation from the African Diaspora Genome. *Sci Rep*. 2017 Apr 21;7:46398.
- **Samms-Vaughan M**, Rahbar MH, Dickerson AS, Loveland KA, Hessabi M, Pearson DA, Bressler J, **Shakespeare-Pellington S**, Grove ML, **Coore-Desai C**, **Reece J**, Boerwinkle E. The diagnosis of autism and autism spectrum disorder in low- and middle-income countries: Experience from Jamaica. *Autism*. 2017 Jul;21 (5):564-572.
- Shiva Kumar AK, Stern V, Subrahmanian R, Sherr L, Burton P, Guerra N, Muggah R, **Samms-Vaughan M**, Watts C, Mehta SK. *Ending violence in childhood: a global imperative*. *Psychol Health Med*. 2017 Mar;22(sup1):1-16.

- **Samms-Vaughan M**, Lambert M. The impact of polyvictimisation on children in LMICs: the case of Jamaica. *Psychol Health Med*. 2017 March; 22(sup1): 67–80.
- Gray PB, Reece J, Coore-Desai C, Dinall T, Pellington S, **Samms-Vaughan M**. Testosterone and Jamaican Fathers : Exploring Links to Relationship Dynamics and Paternal Care. *Hum Nat*. 2017 June; 28 (2):201–218.
- Rahbar MH, **Samms-Vaughan M**, Pitcher MR, Bressler J, Hessabi M, Loveland KA, Christian MA, Grove ML, **Shakespeare-Pellington S**, Beecher C, McLaughlin W, Boerwinkle E. Role of Metabolic Genes in Blood Aluminum Concentrations of Jamaican Children with and without Autism Spectrum Disorder. *Int J Environ Res Public Health*. 2016 November 8;13(11).
- Rahbar MH, **Samms-Vaughan M**, Hessabi M, Dickerson AS, Lee M, Bressler J, Tomechko SE, Moreno EK, Loveland KA, **Desai CC**, **Shakespeare-Pellington S**, **Reece JA**, Morgan R, Geiger MJ, O’Keefe ME, Grove ML, Boerwinkle E. Concentrations of Polychlorinated Biphenyls and Organochlorine Pesticides in Umbilical Cord Blood Serum of Newborns in Kingston, Jamaica. *Int J Environ Res Public Health*. 2016 October 21;13(10).
- Mathias RA, Taub MA, Gignoux CR, Fu W, Musharoff S, O’Connor TD, Vergara C, Torgerson DG, Pino-Yanes M, Shringarpure SS, Huang L, Rafaels N, Boorgula MP, Johnston HR, Ortega VE, Levin AM, Song W, Torres R, Padhukasahasram B, Eng C, Mejia-Mejia DA, Ferguson T, Qin ZS, Scott AF, Yazdanbakhsh M, Wilson JG, Marrugo J, Lange LA, Kumar R, Avila PC, Williams LK, Watson H, Ware LB, Olopade C, Olopade O, Oliveira R, Ober C, Nicolae DL, Meyers D, Mayorga A, Knight-Madden J, Hartert T, Hansel NN, Foreman MG, Ford JG, Faruque MU, Dunston GM, Caraballo L, Burchard EG, Bleecker E, Araujo MI, Herrera-Paz EF, Gietzen K, Grus WE, Bamshad M, Bustamante CD, Kenny EE, Hernandez RD, Beaty TH, Ruczinski I, Akey J; CAAPA, Barnes KC. A continuum of admixture in the Western Hemisphere revealed by the African Diaspora genome. *Nat Commun*. 2016 Oct 11;7:12522.

- Kessler MD, Yerges-Armstrong L, Taub MA, Shetty AC, Maloney K, Jeng LJ, Ruczinski I, Levin AM, Williams LK, Beaty TH, Mathias RA, Barnes KC; Consortium on Asthma among African-ancestry Populations in the Americas (CAAPA), O'Connor TD. Challenges and disparities in the application of personalized genomic medicine to populations with African ancestry. *Nat Commun.* 2016 Oct 11;7:12521.
- Johnson-Harrison T, **Trotman H.** Neonatal Outcome of Babies Born to Women 40 Years and over at the University Hospital of the West Indies 2012–2013. *Journal of Tropical Pediatrics*, fmx053, <https://doi.org/10.1093/tropej/fmx053>
- Richardson C, **Trotman H.** Outcome of Macrosomic infants at the University Hospital of the West Indies. *West Indian Med J* 2017;66(2):269
- Panton L, **Trotman H.** Outcome of Neonates with Meconium Aspiration Syndrome at the University Hospital of the West Indies, Jamaica: A Resource-Limited Setting. *Am J Perinatol.* 2017 May 12. doi: 10.1055/s-0037-1603330
- Hamilton N, **Trotman H.** Challenges Faced in Translating the Benefits of Surfactant Replacement Therapy to a Resource-Limited Setting. *Am J Perinatol.* 2017 Jan 18. doi: 10.1055/s-0036-1598023. [Epub ahead of print]
- Henry S, **Trotman H.** Challenges in neonatal transport in Jamaica: A resource-limited setting. *J Trop Pediatr* 2017 fmw095. doi: 10.1093/tropej/fmw095 [Epub ahead of print]
- McLean N, **Trotman H.** Outcome of Late Preterm Infants at the University Hospital of the West Indies. *Am J Perinatol.* 2016;33(14):1365-1370.

### Technical Reports

- **Samms-Vaughan ME, Coore-Desai C, Reece J, Pellington S.** *The Development of a National Screening, Referral and Early Intervention System for Children 0-6 years in the Turks and Caicos Islands.* Report to the Caribbean Development Bank and the Government of the TCI. May 2017.

- **Samms-Vaughan M.** *Social Policy and Early Childhood Development. In: Pathways to Action: Social Policy in the Caribbean.* Ed. by Aldrie Henry-Lee. Ian Randle Publishers, Kingston, Jamaica, 2016, 172–198.
- **Samms-Vaughan M.** *Addressing Inequity in the Early Childhood Sector in Jamaica through National Planning. In Global Report on Equity and Early Childhood. Ed and published by Consultative Group on Early Childhood Care and Development.* 2016, 134–140.

### **Books and Monographs**

- **Pottinger AM** and Gordon Stair A. *Child Adoption: Managing Losses, achieving effective care-giving solutions.* Kingston, Jamaica: 2016.
- **Pottinger AM.** *After the Storm . . . The Calm: An Analysis of the Bereavement Process.* Second Edition. Kingston, Jamaica: 2016.

## **INCOME GENERATION**

### **Research Grants**

#### **Research Grant Funding**

The Department of Child and Adolescent Health was able to secure research grant funding totaling US\$ 1, 737, 953.00, Euro 877,065.00 and J\$5, 200, 700.00 through the following:

#### **1. P.I. C. Christie-Samuels**

Title: Addressing the urgent research gaps against the **Zika virus** and other emerging threats in Latin America, SC1-PM-22-2016. Leader of WP1 – Vertical Transmission of ZIKV

Source: European Commission and Paediatric European Network for Treatment of AIDS (PENTA) Foundation

Grant Period: 2016 to 2021 (five years).

**Total grant amount: 877, 065.00 Euros**

**2. P.I. A. Pottinger**

Title: Council for World Mission Ecumenical Grant

Source: Council of World Missions

**Total grant amount – J\$5,200,700.00 (2016-2018)**

**3. P.I. M. Samms-Vaughan (PI Jamaican site) & Hossein Rahbar**

Title: Epidemiology of Autism in Jamaica (Collaboration with the University of Texas)

Source: NIH (RO1 Grant)

Grant Period: 12/09/2013-30/04/2018

**Total grant amount: US \$737,953.00 (Jamaican site)**

**4. P.I. M. Samms-Vaughan**

Title: Evaluation of Early Childhood Learning Environments

Source: Inter-American Development Bank

Grant Period: 14/08/2014-13/08/2016 (extended to August 2018)

**Total grant amount: US\$1,000,000.00 (Counterpart funding additional US200, 000.00)**

**PUBLIC SERVICE**

The Department of Child and Adolescent Health's outreach activities include:

1. Assistance to the Missionaries of the Poor by providing medical evaluation of all children and adolescents with Cerebral palsy resident in the Homes of Missionaries of the Poor. This is being done by the consultant and residents in the Pediatric Neurology Clinic, UHWI.

The Department of Child and Adolescent Health's members also serve on numerous advisory boards and technical committees, nationally and internationally. These include:

**Professor Celia Christie-Samuels**

- Treasurer, International AIDS Society
- Member, Governing Council of the International AIDS Society
- Member, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- Member, Research Grant Working Group, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- Chair, “Rethinking the Pharmaceutical Industry Liaison Forum (ILF)” of the International AIDS Society (IAS)
- Fellow, Infectious Diseases Society of America
- Member, Pediatric Infectious Diseases Society of America
- Founding Member, HIV Medicine Association of America
- Member, International Association of Physicians in HIV/AIDS Care
- Member, International Society for Infectious Diseases
- Director, Jamaica’s National Program for the Elimination of Congenital HIV/AIDS and Syphilis and JaPPAAIDS
- Senior Member, Elimination of Mother to Child Transmission (eMTCT) of HIV and Syphilis, Oversight Committee and its many Subcommittees, eg., Database, Cascade for pMTCT Syphilis

**Dr. Leslie Gabay**

- Co-Founder and Medical Director, Camp Yellow Bird for children with diabetes

**Dr. Andrea Garbutt**

- Executive member, Paediatric Association of Jamaica

**Dr. Marsha Gooden**

- Executive member, Paediatric Association of Jamaica

**Dr. Abigail Harrison**

- Member, Adolescent Policy Working Group, Ministry of Health

- Chair, Board of Visitors, Metcalfe Street Secure Juvenile Centre
- Director, Board of Directors, National Family Planning Board
- President, Paediatric Association of Jamaica

**Dr. Roxanne Melbourne-Chambers**

- Manuscript Reviewer – PLOS ONE
- Member, Expert Group on Children of Mothers with Suspected/Confirmed ZikV Infection – Ministry of Health, Jamaica
- Volunteer Physician – St. Luke's Church Health Fair

**Professor Russell Pierre**

- Member, International AIDS Society IAS Governing Council 2016-2020: Latin America and Caribbean Representative
- Caribbean Association of Medical Councils Examination – Chairman of committee to implement examination on behalf of the Faculty of Medical Sciences: from January 2007

**Dr. Audrey Pottinger**

- Member, 'Expert Group' on ZikV pregnancies, Ministry of Health

**Professor Maureen Samms Vaughan**

- Chair, CARICOM Technical Working Group on Early Childhood / Child Development
- Chair, National ECD Oversight Committee
- Member, IADB Early Childhood Advisory Group
- Director, Usain Bolt Foundation
- Director, Family Life Ministries
- Director, Vaz Preparatory School Board
- Director, Promise Learning Centre Board

**Professor Minerva Thame**

- Member, UHWI representative Medical Review Panel, MOH

- Chair, Caribbean Public Health Agency (CARPHA), Research and Advisory Committee
- One of the lead physicians for the Sick Kids-Caribbean Initiative
- Co-Chair for the research team, Sick Kids-Caribbean Initiative
- Director, Jamaica Kidney Kids Foundation (JKKF)

**Dr. Helen Trotman-Edwards**

- Member of the Caribbean Public Health Agency (CARPHA) Ethics Committee

**STUDENTS**

The Department continues to provide training in research in child development. This year, Ms. Gabriella Hattersley, a third year medical student from the University of Bristol (UB), completed her Global Health dissertation paper entitled “Resilience and mental well-being in adolescents exposed to physical violence in Jamaican communities”. Her paper utilised data from the Jamaican Birth Cohort Studies; she was supervised by Professor M. Samms-Vaughan and the birth cohort research team (UWI) and Professor Alan Emond (UB) Her paper received a grade “A” from UB and is being prepared for publication.

- Award of the Leila Wynter Prize by the Paediatric Association of Jamaica for Best Performance in the Doctor of Medicine (Paediatrics) Part 2 examination 2016 – Dr. Joni Anderson.
- Award of the Mathias Antoine Prize by the Paediatric Association of Jamaica for Best Performance in the Doctor of Medicine (Paediatrics) Part 1 examination 2016 – Dr. Kathryn Swaby

**Presentation of DM Students Research at International Conferences**

Two DM Paediatric residents had papers accepted for poster presentation at international conference. These papers highlighted results of research undertaken during the DM Paediatrics programme.

- Dr. Kathryn Swaby – Metabolic Complications in Virally-suppressed

Perinatally HIV Infected Children & Adolescents on Tenofovir Disoproxil Fumarate. **K. Swaby, R. Pierre, J Moore**, M. Miller, T. Gilbert, K. Lewis, and **C.D.C. Christie**. Accepted for Poster Presentation – International AIDS Society Conference, Paris, France, July 2017.

## DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY



**Professor Wendel Abel**, JP, OD, MB., BS., DM., MPH, Dip Psyche.  
Head of Department

### **SUMMARY – WORK OF THE DEPARTMENT**

The Department of Community Health and Psychiatry delivers undergraduate and postgraduate instructions in public health, family medicine and psychiatry. In addition, the Department provides primary health care through the Hermitage August Town Community Health Centre, and behavioural health services through the Department of Psychiatry, the University Hospital of the West Indies. During the academic year 2016–2017, the Department co-authored 31 peer-reviewed papers, two book chapters, and one technical report.

### **Research and Grants**

The department has made a strategic thrust in strengthening its capacity to attract grants and strengthen research; towards this end there has been

a mentoring programme in grant writing and the formation of several research groups. Over 100 million dollars in grant funding was mobilised. Linkages were established with PAHO, CARICOM, OAS and the European Union.

### **Academic Programmes**

Several initiatives were implemented to enrich the teaching and learning environment. These include the commitment of funds to upgrade the IT server and investment in an online learning platform to better deliver the graduate programmes and facilitate the development of new programmes.

### **The Undergraduate Programmes**

Undergraduate courses are delivered to medical and dental students and clinical training to medical students in community health (years 3, 4, 5) and psychiatry (years 3, 4). This includes a two-week rotation in which medical students are placed in eight parishes. This rotation provides rural placements in public health, an exposure to the public health issues at the community level, the opportunity to work in a primary care facility under supervision and to work with the primary health care team.

### **The Graduate Programmes**

The department offers graduate programmes in Public Health, Family Medicine, Psychiatry and Psychology.

### **The Public Health Programmes**

A major achievement in the academic year is the merger of the Public Health Programmes. This is a first step as the department seeks to establish a School of Public Health. The public health programmes include the **MPhil /PhD (Public Health)**, the **Doctorate in Public Health (DrPH)** and a **Master of Public Health**.

**The MPhil/PhD Public Health:** This is a research-based MPhil/PhD in public health.

**The Doctorate in Public Health (DrPH):** This is a programme designed to train public health leaders.

**The Master of Public Health:** It includes a general degree and three specialty tracks (gerontology, health education/health promotion or health management).

**Family Medicine:** This programme includes a two-year Diploma in Family Medicine and a four-year Doctor of Medicine (DM) both of which are administratively linked to the Bahamas School of Clinical Medicine. Workshops were conducted to provide support and training for clinical facilitators. A meeting was convened with the Ministry of Health in Jamaica to foster collaboration and to create a career path for graduates in the public sector. Efforts were made to strengthen internal collaboration and linkages.

### **Graduate Programmes in Psychiatry & Psychology**

**The Doctor of Medicine (DM) Psychiatry:** This is a 4-year clinical programme in Psychiatry. During the academic year, 16 students were registered in the programme; five individuals have completed.

**Masters in Clinical Psychology:** This is a joint programme which is delivered in conjunction with the Section of Psychology, Sociology and Social Work. Students pursuing the Masters in Psychology rotate in the Department of Psychiatry for clinical exposure.

The Department offers a range of clinical services through the Hermitage August Town Health Centre and the Department of Psychiatry, which is a clinical department of the University Hospital of the West Indies.

### **The Hermitage August Town Health Centre**

This health centre provides clinical services to 16 communities, including the university township, in collaboration with the Kingston and St Andrew Health Department. The clinical services include general medical

**Table 1:** Postgraduate students – Community Health and Psychiatry 2016–2017

Categories of students	Number registered 2016–2017	Expected to graduate November 2017
PhD Public Health	33	5
Doctorate of Public Health (DrPH)	32	4
<b>Master of Public Health</b>		
– General	31	19
– Health Education/Health Promotion	14	6
– Health Management	18	5
– Gerontology	2	–
<b>Diploma in Public Health</b>		
– Health Management	1	–
– Gerontology	–	–
<b>Diploma in Family Medicine (Years 1–2)</b>		
– Bahamas	15	6
– Mona	11	4
<b>DM Family Medicine (Years 3–4)</b>		
– Bahamas	10	5
– Mona	4	2
<b>DM Psychiatry (years 1–4)</b>	16	5
<b>Total post-graduates</b>	<b>187</b>	<b>61</b>

services with a focus on the management of chronic diseases such as hypertension and diabetes. The services also include antenatal, postnatal services, child health care and maternal/family care. In addition, services such disease surveillance, screening services for cervical cancer, diabetes

etc., health promotion, counselling, social work intervention, birth and death registration and community outreach services are offered. The health centre serves as a major clinical teaching site for students in Medicine, Nursing, Allied Health and Social Work.

### **Mental Health Services**

These services are provided in collaboration with the University Hospital of the West Indies and are part of a comprehensive, multidisciplinary service. Services include: emergency psychiatric services, adult inpatient, crisis/ambulatory services, outpatient psychiatric services, specialised services for children and adolescents, forensic services substance abuse treatment and rehabilitation service and occupational therapy.

### **PAPERS PRESENTED**

- Bradley CP, Martin TL, Jones-Reed D, Ragin C, **Jackson MD**, McFarlane-Anderson N, Tulloch-Reid M, Flores-Obando R, Kimbro KS, Kidd LCR. – Immune and Inflammatory Sequence Variants Jointly Modify Prostate Cancer among men of African Descent. – The Science of Global Prostate Cancer Disparities in Black Men Conference. University of Florida Research and Academic Center, Lake Nona Medical City, Orlando, Florida, USA. November 2016
- **Cunningham-Myrie C**, Royal-Thomas T, Gustat J, Theall K, Govia I, Reid M. – Usage Patterns and Energy Expenditure at Emancipation Park, Jamaica: Gender Differences – Min. of Health Jamaica, National Health Research Conference Jamaica Conf. Centre November 24–25, 2016
- Govia I, **Cunningham-Myrie C**, Harrison J, Theall K, Reid M. – Understanding barriers and facilitators to park use for physical activity among Jamaicans – Min. of Health Jamaica, National Health Research Conference Jamaica Conf. Centre November 24–25, 2016
- **Figueroa JP**. Promoting Mental Health in Jamaica – 25 February 2017 CARIMENSA UWI conference
- **Gibson R**. The psychological impact of trauma on physicians. Annual

Symposium of the Medical Association of Jamaica, Kingston, June 9, 2017.

- Laws H, Smith K, **Standard Goldson A.** – Level of Interest in Family Medicine among Medical Students at the University of the West Indies Mona Campus, Jamaica, November 4, 2016. 21st WONCA World Conference of Family Doctors, Rio de Janeiro, Brazil. (Oral Presentation).
- **Jackson MD**, Tulloch-Reid M, Bennett F, McFarlane-Anderson N, Aiken WD, Coard – Prostate Cancer Risk Evaluation Study: Association of body size, dietary patterns and blood fatty acids with prostate cancer in Jamaican men. – The Science of Global Prostate Cancer Disparities in Black Men Conference. University of Florida Research and Academic Center, Lake Nona Medical City, Orlando, Florida, USA. November 2016
- Martin TL, Bradley CP, Jones-Reed D, Ragin C, **Jackson MD**, McFarlane-Anderson N, Tulloch-Reid M, Flores-Obando R, Kimbro KS, Kidd LCR. – Non-synergistic Interaction along the CCR5-CXCR5-CCR7 axis and Prostate Cancer. – The Science of Global Prostate Cancer Disparities in Black Men Conference. University of Florida Research and Academic Center, Lake Nona Medical City, Orlando, Florida, USA. November 2016
- **Hylton-Kong T.** Participated in the Validation exercise of a series of workshops conducted by the Jamaica Community of Positive Women (JCW+) with the objective of; Sensitizing WHIV, Family and Friends on the nuances of Living with HIV funded by JCCM Global Fund Project. October 2016.
- **McKoy-Davis J, Eldemire-Shearer D**, and James K, Jamaica. “The place of choice to live work and raise families; but who can afford to retire? Retirement prospects and realities among Jamaicans 30–80 years old.” The Population Planning for Development in Jamaica Conference, Kingston, Jamaica. January 2017.
- O’Sullivan O, Green V, Darby A, Campbell J, Melbourne T, Mourillon N, Campbell T, **Jackson MD.** – Chikungunya Virus Infection Associated Arthralgia  $\geq$  1 Year Post Outbreak in Adult Jamaicans – Faculty of Medical Sciences 25th Annual Research Conference and

Workshop, Kingston, Jamaica: November 2016. *West Indian Medical Journal* 2016; 65 (Suppl 6): 25.

- **Ricketts-Roomes TF**, Waldron NK, James K. “Quality of Asthma Care in Health Centres in Kingston and St. Andrew, Jamaica: How do we compare to international clinical practice guidelines”. (Oral presentation and abstract) – Faculty of Medical Sciences, UWI, Mona Annual Research Day, November 10, 2016
- **Ricketts-Roomes TF**, Waldron NK, James K. Health Centres in Kingston and St. Andrew, Jamaica: How do we compare to international clinical practice guidelines”. (Poster Presentation and abstract) – Ministry of Health 7th Annual National Research Conference: “Health is a Relay: Traditional & Non-Traditional Tracks” – November 24–25, 2016, Jamaica Conference Centre:
- **Willie-Tyndale D**, & **Eldemire-Shearer D**. “Multi-sectoral action for a life course approach to healthy ageing”. The Caribbean Preparatory Meeting for the Fourth Regional Conference on Ageing. June 2017.
- **Willie-Tyndale D**, Aiken W, & **Eldemire-Shearer D**, (2017). “Sexual health among middle-aged and older women attending gynaecology and urology clinics in Jamaica”. The 21st IAGG World Congress of Gerontology & Geriatrics held July 23–27, 2017. San Francisco, CA, USA and Geriatrics (IAGG) World Congress in San Francisco, California. Held July 23–27, 2017.
- **Eldemire-Shearer D**, **McKoy-Davis J**. “Disaster Management: Using a Focus Group Approach”. Presented at 21st International Association of Gerontology and Geriatrics (IAGG) World Congress in San Francisco, California. July 2017.
- **Eldemire-Shearer D**. “Retirement: life after”. Presented at Knutsford Court Hotel for The Ministry of Industry, Commerce, Agriculture & Fisheries retirement function on Wednesday March 15, 2017.
- **Eldemire-Shearer D**. “Women in Representational Politics: Safeguarding Wellness”. Presented at PCJ auditorium, 36 Trafalgar Road, Kingston 10 for Jamaica Women’s Political Caucus (JWPC) and the Rose Leon Memorial Trust: The Annual Rose Leon Memorial Lecture March 6, 2017.

- **Eldemire-Shearer D.** “Education within a Wellness Framework”. Presented at Church Teachers’ College Research Days, at 40 Manchester Road, Church Teachers’ College: Mandeville February 23, 2017.
- **Eldemire-Shearer D.** “Phases of Life”. Presented at Jamaica Suite, Phoenix Central for IWF Jamaica Chapter February 14, 2017.
- **Eldemire-Shearer D.** “Non-Communicable Disease The Response”. Presented at Jamaica Conference Centre on September 8, 2016 for MOH-4th Annual NCD

## PUBLICATIONS

During the period under review the department published twenty eight peer reviewed journal articles, two book chapters and one technical report. In addition 21 presentations were made at scientific meetings.

### Books and Monographs

#### **Psychiatry**

- “Suicidal behaviour, Adolescents and Alcohol” by Heron T, Gibson R, Whitehorn-Smith P, Abel W. in *Caribbean Adolescent: Misuse and Abuse of Alcohol*, editors Cecilia Hegamin-Younger and Joav Merrick, New York: Nova Science, 2017.
- “Parents, Alcohol and Adolescents” by Thompson EMA, Whitehorn-Smith P, Atkinson U, Pernell C, Roger G, Abel W. in *Caribbean Adolescent: Misuse and Abuse of Alcohol*, editors Cecilia Hegamin-Younger and Joav Merrick, New York: Nova Science, 2016.

### Peer-Reviewed Journal Articles

#### **Community Health**

- Anyim MC, Meka AO, Chukwu JN, **Oshi DC**, Madichie NO, Ekeke N, Alphonsus C, Mbah O, Nwaekpe C, Njoku M, Fakiyesi D, Ulodiaku V, Ejiofor I, Bisiriyu AH, Ukwaja KN. – Secondary

bacterial isolates from previously untreated Buruli ulcer lesions and their antibiotic susceptibility patterns in Southern Nigeria. – *Rev Soc Bras Med Trop* 49(6): doi: 10.1590/0037-8682-0404-2016.

- Bailey AE, Figueroa JP. Agency, Lapse in Condom use and Relationship Intimacy among Female Sex Workers in Jamaica. Culture, Health and Sexuality 2017 <http://dx.doi.org/10.1080/13691058.2017.1360944>
- Bernard O, Gibson R, Reece J, Coore-Desai C, Pellington S, Samms-Vaughan M, **McCaw-Binns A**. Antenatal depressive symptoms in Jamaica associated with limited partner and other social support: a cross-sectional study. *PLOS One*. IF: 3.54.
- Chukwu JN, Meka AO, Nwafor CC, Oshi DC, Madichie NO, Ekeke N, Anyim MC, Alphonsus C, Mbah O, Adegbesan J, Njoku M, Soyinka FO, Adelokikic AO, Enemuoh IO, Okolie PI, Edochie JE, Offor JB, Ushaka J, Ukwaja KN. (2016) Financial burden of health care for Buruli ulcer patients in Nigeria: the patients' perspective. *International Health*; doi:10.1093/inthealth/ihw056.
- Ekeke N, Ukwaja K, Chukwu J, Nwafor C, Meka A, Egbagbe E, Soyinka F, Alobu I, Agujiobi I, Akingbesote S, Igbinigie O, Offor J, Madichie N, Alphonsus C, Anyim M, Mbah O & **Oshi D**. – Screening for diabetes mellitus among tuberculosis patients in Southern Nigeria: a multi-centre implementation study under programme settings". – *Scientific Reports, Article number: 44205* (2017)doi:10.1038/srep44205. URL: <http://www.nature.com/articles/srep44205>
- Mitchell-Fearon K, **Willie-Tyndale D, McKoy-Davis J, Waldron NK**, Holder Nevins D, **Eldemire-Shearer D**. (2017). Health and Gender: What is the Situation with Older Persons and How Do We Address Health Care Needs? *WIMJ Open*: 2017; 4 (1): Vol. 4 Issue 1, pp 1-6. DOI: 10.7727/wimjopen.2017.00.
- Mitchell-Fearon K, **McKoy-Davis J, Willie-Tyndale D**, Abdulkadri AO, & **Eldemire-Shearer D**. (2017). The economic burden of hypertension among older persons: Lessons from a developing nation. *Journal of Public Health in Developing Countries*, 3(1): 347–357.

- **Figueroa JP**, Harris MA, Duncan JP, Tulloch-Reid MK. – Hypertension Control: The Caribbean Needs Intervention Studies to Learn How to Do Better. Editorial – *West Indian Med J* 2017. DOI 107727/wimj.2017.073.
- Fray-Aiken CM, Wilks RJ, Abdulkadri AO, **McCaw-Binns A**. Cost of care of chronic non-communicable diseases in Jamaican patients: the role of obesity. *Farmeconomia. Health economics and therapeutic pathways* 2016; 17(2): 81–95. <http://dx.doi.org/10.7175/fe.v17i1.1232>
- Harris MA, Younger-Coleman N, Ferguson TS, Figueroa JP. Audit and Feedback to improve the management of dyslipidemia in primary care in Jamaica: A randomized controlled trial. *Global J Med Pub Health*. 2016; 5(1): 1–9.
- **Harris M**, Ferguson T, **Figueroa JP**. – Improved hypertension control among primary care patients in Jamaica between 1995 and 2013. – *Global J Med Pub Health* 2016; [www.gjmedph.org](http://www.gjmedph.org)
- Lindo JL, LaGrenade J, & **Eldemire-Shearer D**, (2016). The Health of Office-Based Workers in Kingston, Jamaica. *Workplace Health & Safety*, 2165079916667735 *Journal*.
- **McKoy-Davis J**, **Willie-Tyndale D**, Mitchell-Fearon K, Holder-Nevins D, James K, & **Eldemire-Shearer D**, (2017). Caregiving among community-dwelling grandparents in Jamaica. *GrandFamilies: The Contemporary Journal of Research, Practice and Policy*, 4(1): 7–40.
- Meka AO, Chukwu JN, Nwafor CC, **Oshi DC**, Madichie NO, Ekeke N, Anyim MC, Chukwuka A, Mbah O, Uzoukwa GC, Njoku M, Ntana K, Ukwaja KN. – Diagnosis delay and duration of hospitalisation of patients with Buruli ulcer in Nigeria. – *Trans R Soc Trop Med Hyg*, 2016; 110: 502–509
- **Oshi DC**, Omeje JC, Oshi SN, Alobu IN, Chukwu NE, Nwokocha C, Emelumadu OF, Ogbudebe CL, Meka AO, Ukwaja KN, (2017). An evaluation of innovative community-based approaches and systematic TB screening to improve TB case detection in Ebonyi State, Nigeria. *International Journal of Mycobacteriology*, 6(3): 246–252.

- Pérez F, Ravasi G, **Figueroa JP**, Grinsztejn B, Kamb M, Sued O et al. HIV/AIDS prevention, care and treatment in the Region of the Americas: achievements, challenges and perspectives. *Rev Panam Salud Publica*. 2016; 40(6): 398–400.
- Roberge S, Sibai B, **McCaw-Binns A**, Bujold E. Low-Dose Aspirin in Early Gestation for Prevention of Preeclampsia and Small-for-Gestational-Age Neonates: Meta-analysis of Large Randomized Trials. *Am J Perinatol*. 2016 Jul; 33(8):781-5. doi: 10.1055/s-0036-1572495. Epub 2016 Feb 23. PubMed PMID: 26906184. [Epub ahead of print]. IF: 1.905
- Maharaj Rohan G, **Standard-Goldson A**, Hanna-Mahase C, Roache-Barker S, **Cunningham-Myrie C**, Shastri Motilal M, Farquharson C, Morris E, Paul-Charles J, Williams-Green P, & Adams O P. (2016) – Family Medicine at the University of the West Indies: a model for the developing world – Education for Primary Care, DOI: 10.1080/14739879.2016.1218744 IF 0.88
- Say L, Barreix M, Chou D, Tunçalp Ö, Cottler S, **McCaw-Binns A**, Gichuhi GN, Taalo F, Hindin M. Maternal morbidity measurement tool pilot: study protocol. *Reproductive Health*. 2016 June 9;13 (1): 69. doi: 10.1186/s12978-016-0164-6. IF: 2.035
- **Eldemire-Shearer D, James K, Johnson P, Gibson R, Willie-Tyndale D. (2017)** Dementia among older persons in Jamaica: Prevalence and policy implications. *West Indian Medical Journal*, DOI: 10.7727/wimj.2017.133
- Ukwaja KN, Alobu I, Mustapha G, Onazi O, **Oshi DC** – Sustaining the DOTS: stakeholders’ experience of a social protection intervention for TB in Nigeria. – *International Health* 15:1–6. doi: 10.1093/inthealth/ihx001.
- Ukwaja K, Alobu I, Gidado M, Onazi O & **Oshi D** (2017). Economic support intervention improves tuberculosis treatment outcomes in rural Nigeria. *The International Journal of Tuberculosis and Lung Disease*, 21(5): 564-570(7).
- 23. VanderKruik R, Barreix M, Chou D, Allen T, Say L, Cohen LS; Maternal Morbidity Working Group. The global prevalence of

postpartum psychosis: a systematic review. *BMC Psychiatry*. 2017 Jul 28;17(1):272. doi: 10.1186/s12888-017-1427-7. IF: 6.437

- **Willie-Tyndale D, Holder-Nevins D, Mitchell-Fearon K, James K, Laws H, Waldron NK. & Eldemire-Shearer D.** (2016). Participation in Social Activities and the Association with Socio-Demographic and Health-Related Factors among Community-Dwelling Older Adults in Jamaica. *Journal of Cross-Cultural Gerontology*. December 2016, Volume 31, Issue 4, pp 427–447.
- Snead M, Wiener J, Ewumi S, Phillips C, Flowers L, **Hylton-Kong T**, Medley-Singh N, Legardy-Williams J, Costenbader E, Papp J, Warner L, Black C, Kourtis A. (2017). Prevalence and Risk factors Associated with STI among Women Initiating Contraceptive Implants in Kingston, *Jamaica. Sex Transm Infect* 2017; 0:1–5. doi:10.1136/sextrans-2016-052963

## Psychiatry

- **Gibson R, Waldron NK, Abel W, Eldemire-Shearer D, James K, Mitchell-Fearon K.** Sarangi AK, De Castro K, **Gibson R, Lowe GA**, Ferguson TS. (2016) Psychopharmacological options in the management of lupus cerebritis: A case report. *West Indian Medical Journal*, Epub ahead of print, doi: 10.7727/wimj.2016.345.
- **Gibson R, Waldron NK, Abel W, Eldemire-Shearer D, James K, & Mitchell-Fearon K.** (December, 2016). Alcohol use, depression, and life satisfaction among older persons in Jamaica. *International Psychogeriatrics*, 29(4), 663-671. <https://doi.org/10.1017/S1041610216002209>.
- **Heron T, Gibson R, Whitehorn-Smith P, Abel W.** (2017) Gender and suicidal behaviour among adolescents who use alcohol. *International Public Health Journal*, 9, 51–58.
- Roopchand-Martin SC, Mason GE, **Gibson R.** (2016) Compliance with dance video gaming: facilitating and inhibiting factors among Jamaican university students. *Caribbean Journal of Psychology*, 8, 38–53.

- Thompson EMA, Atkinson U, Whitehorn-Smith P, Clark P, **Gibson R, Abel W.** (2017) The Jamaican Secondary School Survey: Parental influences associated with alcohol use. *International Public Health Journal*, 9, 59–66.
- **Thompson EMA** Ph.D., Whitehorn-Smith P MSc, Atkinson U MSc and Clark P MSc, **Gibson R DM, Abel W** MBBS, DM. (2017). The Jamaican Secondary School Survey: Parental influences associated with adolescent alcohol use. *International Public Health Journal*, Vol. 9, No. 1, pp. 59–66.

### Technical Reports

- **Gibson R.** Preparation of a Concept Paper on a new vision for the Bellevue Mental Hospital at the request of the Ministry of Health (2016).

### INCOME GENERATION

- PROMAC (Partnership for the Promotion of Patients’ Rights in Maternal Neonatal and Infant Health in Jamaica) – Strengthening Patients’ Rights in Maternal, Neonatal and Infant Health in Jamaica: Training/ service/ research grant: An award of 700,000 Euros. Principal Investigator: Professor Wendel Abel.
- PROCCER: Marijuana Intervention Module. Principal Investigator: Professor Wendel Abel.
- PROCCER: Training/ service/ research grant in Substance Abuse Prevention and Treatment. (\$40,000 USD). Principal Investigator, Professor Wendel Abel.
- Research Grant: “Knowledge, Attitudes and Practices regarding sexual and reproductive health among women in Jamaica in the context of Zika Virus Outbreak in Jamaica: A Cross Sectional Study”. (PAHO, \$15,000 USD). Principal Investigator, Dr. Kristen Smith
- Research Grant: “Asthma Health-related Quality of Life and its Determinants.” (\$1.5M JAD).

- Principal's New Initiative Grant. Principal Investigator, Dr. Tana Tana Ricketts Roomes.
- Service/Research Grant: To Develop Protocol for treating victims of sexual offenses in health facilities. (\$1.1M). Principal Investigator, Dr. C. Sewell.

## **PUBLIC SERVICE**

Faculty members continue to serve nationally, regionally and internationally on professional bodies, global expert panels and advisory committees, and as peer reviewers for a range academic journals. Dr. Winston De La Haye and Dr. Hazel Lawes continued their second year of secondment as Chief Medical Officers, to the Ministry of Health in Jamaica and St. Kitts and Nevis respectively.

### **Professor Wendel Abel**

- Chairman, Editorial Board – *West Indian Medical Journal*
- Expert Panel: Strategic and Regional Action Plan for Mental Health (PAHO)
- Advisory Committee: Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Deputy Chair: National Council on Drug Abuse
- Co-Chair: CARICOM, Commission for the Decriminalization of Marijuana
- Member: Cannabis Licensing Authority, Legal and Regulatory Subcommittee
- Peer Reviewer: *Ethnicity and Inequalities in Health and Social Care*; *West Indian Medical Journal*, *BMC*
- Board Member and chair Finance sub-committee – Foundation for International Self Help (FISH)
- Justice of the Peace – The Parish of Kingston and St. Andrew

**Dr Althea Bailey**

- Chair: The Jamaica Red Cross Adolescents at Risk Advisory Committee
- Vice Chair: Jamaica AIDS Support for Life
- Member: Integrated Youth services; Ministry of Health National HIV Programme Technical Working Group

**Mr. Norbert Campbell**

- Council Member: International Federation of Environmental Health (IFEH)
- Board Member/Honorary Secretary: Jamaica Occupational Health and Safety Professionals Association (JOHSPA)
- Vice President: Professional Development, Jamaica Association of Public Health Inspectors (JAPHI)
- Secretary: International Planning Committee: JAPHI/IFEH International Environmental Conference and Council meeting, October 22–26, 2017, Montego Bay, Jamaica
- Member: American Conference of Governmental Industrial Hygienists (ACGIH); National Environmental Health Association, USA; Committee for the Development of an Environmental Health Management Information System, Ministry of Health, Jamaica

**Dr Colette Cunningham-Myrie**

- Member: Medical Association of Jamaica; Caribbean College of Family Physicians (Jamaica); Essential National Health Research Committee, Ministry of Health, Jamaica
- Volunteer Physician: Diabetes Association of Jamaica
- Peer Reviewer: *BMC Public Health*; *International Journal of Diabetes in Developing Countries*; *West Indian Medical Journal*

**Professor Denise Eldemire-Shearer**

- Patron: National Council for Senior Citizens
- Director: Action Ageing Jamaica
- Honorary Chair: Caribbean Community of Retired Persons

## Department of Community Health & Psychiatry

- Sub-committee member: Homeless & Mental Health, Ministry of Health Homeless Task Force
- Board Member: University Hospital of the West Indies
- Member: Central Health Committee, Ministry of Health; 10 Year Strategic Health Plan Committee, Ministry of Health; Medical Association of Jamaica
- PIOJ Task Force of Poverty Reduction
- Chair, Health Research MOH Committees
- Editorial Board Member: *West Indian Medical Journal*

### **Professor John Peter Figueroa**

- Member: WHO Strategic Advisory Group of Experts (SAGE)
- WHO International Health Regulations Roster of Experts (Poliomyelitis)
- Chair: PAHO Technical Advisory Group (TAG)
- Caribbean Sub-Regional Certification Committee for the Global Eradication of Poliomyelitis
- Co-Chair: PAHO Technical Advisory Committee on Viral Hepatitis (TAVH)
- UNAIDS Scientific Expert Panel; PAHO Technical Advisory Committee (TAC) on HIV/STI; PANCAP Priority Areas Coordinating Committee (PACC); Caribbean Sub-Regional Commission for the Documentation and Verification of Measles, Rubella and CRS Elimination
- Director: Epidemiology Research and Training Unit, Kingston, Jamaica
- Member: Task Force on Mental Health and Homelessness, Ministry of Health
- Reviewer: for the International AIDS Society HIV Conference (Paris July 2017)
- Member: Regional Coordinating Mechanism Meeting of the PANCAP Global Fund

- The International Task Force on Disease Eradication on Hepatitis in Atlanta on 20 June 2017
- Bellevue Hospital Board, South East Regional Health Authority
- Interview Panel Ministry of Health for employment of surveillance officers
- Editorial Advisory Board: *Global Journal of Medicine and Public Health*; *West Indian Medical Journal*
- Peer Reviewer: *Various international journals including West Indian Medical Journal*

**Dr. Roger Gibson**

- Member: Conflict Management & Resolution Section, World Psychiatric Association Jamaica Psychiatric Association; Medical Association of Jamaica
- Academic Editor: *Medicine*® (Wolters Kluwer/ Lippincott, Williams & Wilkins)
- Editorial Board Member: *Clinical Medicine Insights: Case Reports* (Libertas Academica)
- Peer Reviewer: *Psychology, Health & Medicine*; *West Indian Medical Journal*

**Dr. Michelle Harris**

- Team leader: Port of Spain Declaration Evaluation Working Group
- Member: Pan University Network for Global Health – Non-communicable diseases
- Member: Medical Association of Jamaica

**Ms. Joy Harrison**

- Member: Inter-American Drug Abuse Control Commission (CICAD) and Centre for Addiction and Mental Health (CAMH)
- Jamaica Association of Social Workers (JASW)
- The Association of Caribbean Social Work Educators (ACSWE)

**Dr. Desmalee Holder-Nevins**

- Executive Board Member: North Jamaica Conference of Seventh day Adventists
- Member: International Union of Health Promotion and Education (IUHPE); Jamaica Association for Health Education and Promotion (JAHEP); Ministry of Health Research Group – Qualitative needs assessment Chikungunya & Ebola

**Dr. Tina Hylton Kong**

- Member Planning meeting at the HIV/STI/ TB Unit, Ministry of Health for training of Contact Investigators
- Expert Panel Group meeting for the Caribbean Regional Quality Improvement Quality Improvement Collaborative (CaReQIC), I-TECH/MoH
- Review Panel of the Contact Investigation Field Guide.
- Panelist representing PAHO, in the JASL Public Forum on Treat All at Terra Nova

**Professor Maria Jackson**

- Corresponding member: Global Burden of Disease (GBD) Project; WHO, Gates Foundation and World Bank: Nutrition Expert Group
- Member: African-Caribbean Cancer Consortium (AC3) Research Review Committee; American Association for Cancer Research; American Society of Nutrition; Minorities in Cancer Research
- Board member: St Richard Early Childhood Education Institution
- Editorial Board Member: *Ethnicity and Health*
- Peer Reviewer: *Nutrition and Cancer; Nutrition Journal; Public Health Nutrition*

**Dr. Samantha Longman-Mills**

- Research Committee: CICAD-CAMH International Research Capacity Building Program Alumni Association

- Executive Committee and Director of Advocacy: Jamaican Psychological Society
- Member of the Board of Visitors, Ministry of Justice
- Vice President – WIGUT

**Dr. Sapphire Longmore-Dropinski**

- Senator, House of Parliament, Jamaica
- Pan-Americas Conference on Establishing Parliamentary Gender Caucuses – Ottawa, Canada

**Dr. Gillian Lowe**

- Member: Jamaica Psychiatric Association, Medical Association of Jamaica, Paediatric Association of Jamaica; The Rotary Club of Kingston

**Dr. Kerriann Mahlee**

- Member: Medical Association of Jamaica, American College for Advancement in Medicine, British Medical Acupuncture Society, Faculty of Homeopathy, General Medical Council
- Volunteer: Food for the Poor, Salvation Army

**Professor Affette McCaw-Binns**

- Member: World Health Organization, Maternal Morbidity Working Group and Ending Preventable Maternal Mortality Working Group
- Member: National Maternal Mortality Surveillance Committee, Ministry of Health; American Public Health Association
- Peer Reviewer: *BMC Pregnancy and Childbirth*; *BMC Health Services Research*; *International Journal of Gynecology and Obstetrics*; *West Indian Medical Journal*

**Dr. Daniel Oshi**

- Member: American Society of Tropical Medicine and Hygiene; Association of Reproductive Health Professionals, USA; International Sociological Association; International AIDS Society; Nigerian Medical Association

- Peer Reviewer: *Journal of Biosocial Science*; *GERMS Journal*.

**Dr. Tana Ricketts-Roomes**

- Clinical Coordinator: Caribbean Association of Medical Councils (CAMC) Examination
- Member: Caribbean College of Family Physicians; Association of General Practitioners; Medical Association of Jamaica
- Volunteer: Hanover Street Baptist Church Outreach Programme

**Dr. Henroy Scarlett**

- Chairman of the America's Group: International Federation of Environmental Health (IFEH)
- Chair: International Planning Committee: JAPHI/IFEH International Environmental Conference and Council meeting to be held October 22–26, 2017, Montego Bay, Jamaica
- President: Jamaica Occupational Health Professionals Association.
- Treasurer: Jamaica Association of Public Health Inspectors (JAPHI)
- Member: National Environmental Health Association, USA; National Oversight Committee, Ministry of Health Wastewater Systems Evaluation Project

**Dr. Clayton Sewell**

- Member: Mental Health Task Force (Ministry of Health Jamaica)

**Dr. Kristen Smith**

- Treasurer: Caribbean College of Family Physicians
- Member: Medical Association of Jamaica

**Dr. Aileen Standard Goldson**

- Third Vice President: Caribbean College of Family Physicians Regional Board
- Executive member: University of the West Indies Alumni Association, Jamaica

- Member: Caribbean College of Family Physicians; Association of General Practitioners of Jamaica; Medical Association of Jamaica
- CCFP Representative, Besroux Global Family Medicine Conference in Brazil, November 1–4, 2016
- PAHO Planning Committee for third mounting of Integration of Mental Health into Primary Care Course for Primary Care Practitioners in the Caribbean using the Virtual Campus for Public Health – on-line meeting and face-to-face meeting in Panama
- Chair, World Family Doctor Day Planning Committee Meeting (January 22, 2017)
- Member, Ministry of Health Committee developing guidelines for the prevention, diagnosis and management of Colorectal Cancer – January 13, 2017

**Mrs. Dawn Walters**

- Member of the Executive of Jamaica Association for Health Education and Promotion
- Executive of JALGO
- Member: National Infant and Young Child Feeding Committee
- External assessor of Vector Control Aides, Ministry of Health / HEART NTA initiative
- Facilitator for Infant and Young Child Feeding training seminar – 30 Health Care Workers

**DISTINCTIONS, HONOURS, SCHOLARSHIPS AND AWARDS**

**Professor Shearer**

- February 2017 – Legacy Award for contribution to Elderly from Ministry of Labour and Social Security, National Council for Senior Citizens 40th Anniversary Awards; Showcasing Our Legacy: Promoting Intergenerational Solidarity
- October 2016 – Order of Jamaica, (the nation's fifth highest honour); for outstanding advocacy for senior citizens

### Students' Awards

- UWI Medical Alumni Association Prize for the Best Presentation by a Medical Student (Fourth Year Project)
- O'Sullivan O, Green V, Darby A, Campbell J, Melbourne T, Mourillon N, Campbell T, **Jackson MD.** – Chikungunya Virus Infection Associated Arthralgia  $\geq 1$  Year Post Outbreak in Adult Jamaicans – Faculty of Medical Sciences 25th Annual Research Conference and Workshop, Kingston, Jamaica: November 2016. *West Indian Medical Journal* 2016; 65 (Suppl 6): 25 (Fourth year project)

### Departmental Awards

The Department received an award for Outstanding Performance in the Development of Research Students from the Mona Research and Graduate Awards Committee in collaboration with the Office of Graduate Studies and Research.

## DEPARTMENT OF MEDICINE



**Professor Rosemarie Wright-Pascoe** DM, FACP, FACE, FRCP (*UK*)

Professor of Medicine and Endocrinology

Head of Department

### PROFESSORS IN THE DEPARTMENT OF MEDICINE

- Professor Michael Lee
- Professor Everard Barton on contract with the University Hospital of the West Indies (UHWI)

### DIVISIONS IN THE DEPARTMENT OF MEDICINE IN ASSOCIATION WITH THE UNIVERSITY HOSPITAL OF THE WEST INDIES (UHWI) MONA

Cardiology	– Cardiac Unit and Cardiac Catheterization Suite
Gastroenterology	– Minor Operations – Endoscopy Suite
Nephrology	– Dialysis Unit

## Department of Medicine

CHARES	– Centre for HIV/AIDS Research, Educationa and Service
The Tony Thwaites Wing	– Private in-hospital consultations
The Mona Institute of Medical Sciences	– Private Out-patient Consultations
Dermatology Unit	– Dermatology Ward and Dermatology Clinics
Critical Care Unit	– Medical Intensive Care Unit on Ward 3

### **OTHER SUB-SPECIALTY SERVICES OFFERED TO INPATIENTS AT THE HOSPITAL**

- Pulmonology
- Neurology
- Endocrinology
- Rheumatology
- Infectious Diseases

### **IN-HOSPITAL BEDS**

These are located on Wards 3, 4, 7, 8, 20 Annex and on other wards as the need arises such as Ward 18 of the University Hospital of the West Indies and number approximately one hundred and twelve beds (n = 112)

### **FACULTY**

University tenured and non-tenured	n = 13
University Hospital of the West Indies	n = 23

Associate Lecturers at the Kingston Public Hospital, the Spanish Town Hospital, the May Pen Hospital, the Mandeville Regional Hospital,

the St. Ann's Bay Hospital and the  
Cornwall Regional Hospitaln = 38

### **STAFF AND RESEARCH NURSES AND ASSOCIATES**

Staff n = 5, research nurses and associates n = 3, office helpers and others  
n = 3

### **POSTGRADUATE STUDENTS AND TRAINEES**

Residents in Internal Medicine programme	(n = 36)
Postgraduate students in MPhil and PhD programme	(n = 2)
Interns	(n = 10)
	every 3 months

### **UNDERGRADUATE STUDENTS TAUGHT IN THE BACHELOR OF MEDICINE AND BACHELOR OF SURGERY PROGRAMME (ALL APPROXIMATE NUMBERS)**

- Year 1n = 250 (Lecture delivered)
- Year 2n = 250 (Didactic lectures and IMP Lectures and clinical experience)
- Year 3n = 250 (Junior Clerkship) (didactic lectures, tutorials, bedside teachings in hospital and outpatient department)
- Year 4n = 150 Electives supervised (tutorials, bedside teachings in hospital and outpatient department)
- Year 5n = 150 (Senior Clerkship) (didactic lectures, tutorials, bedside teachings in hospital and outpatient departments)

### **MEDICAL CLINICS PER WEEK (n = 1 for all others)**

- General Medical Clinics n = 4
- Diabetes Clinic
- Endocrine Clinic
- Pulmonary Clinic

## Department of Medicine

- Cardiology Clinic
- Renal Clinic
- Gastroenterology Clinic
- Hypertension Clinic
- CHARES Clinic
- Rheumatology Clinic
- Neurology Clinic
- Dementia Clinic
- TSP Clinic

n = 5

### **SPONSORED RESEARCH (GRANTS)**

US\$52,446

### **TOPICS**

#### **Infectious Disease**

1. Adherence to Highly Active Antiretroviral Therapy
2. Antibiotic Resistance
3. HIV Care in the Bahamas

#### **Rheumatology**

The immunological characteristic of Systemic Lupus patients in Jamaica

#### **Gastroenterology**

1. H-pylori eradication therapy in Peptic Ulcer Disease
2. Colonoscopy – the Jamaican experience
3. Lower Gastrointestinal Bleed
4. Non-alcoholic Fatty Liver Disease in Jamaica
5. Acute Pancreatitis
6. Gastric Biopsies

7. Colonoscopy and Screening for Cancer
8. Inflammatory Bowel Disease

### **Endocrinology**

1. Insulin Sensitivity and Insulin clearance in Malnutrition Survivors
2. Cardiometabolic risk in Malnutrition Survivors
3. Biochemical markers in Diabetes Mellitus
4. Biomedical Markers in Athletes vs. Non-Athletes

### **Dermatology**

Acne keloidalis nuchae

### **OTHER RESEARCH TAKING PLACE IN THE DEPARTMENT**

1. Chikungunya Virus Infection in Jamaica
2. Pathogenic Factors in Type 1 Diabetes Mellitus
3. n-patient Mortality in Non-ICU In-patients with infections
4. Recurrent Optic Neuritis and Transverse Myelitis

### **REGISTRIES FOR RESEARCH PRESENTLY IN THE DEPARTMENT**

1. Renal Registry
2. Gastroenterology Registry
3. Parkinson's Registry
4. Type 1 diabetes registry

### **ACADEMIC ACTIVITIES AND DISTINGUISHED VISITORS TO THE DEPARTMENT**

- Professor Eric Cruickshank Distinguished Lecture, held on Friday, June 23, 2017 on “Brain: Connections and Dis Connections” presented by Professor Y. Swamy Venkatesh from the University of South Carolina, School of Medicine.

- The Rolf Richards Distinguished Lecture held on Friday, September 9, 2016. This lecture was presented by Sir George Alleyne, Chancellor – the University of the West Indies and Director Emeritus – PAHO. The topic of the lecture was entitled: “*The Compleat Physician*”.

### **For Renal And Hypertension Week**

- Professor Garcia, Director of ISN for Under Privileged Countries
- Professor Seraj, Director of the USRDS (United States Renal Data System) from the University of Michigan
- Dr. Tedla from Downstate University (ISN sister programme)

### **For Cardiovascular Week**

- Dr. Carpen from the University of Guyana

## **PUBLICATIONS**

### **Book Chapter**

- Boyne Michael S, **Francis-Emmanuel Patrice**, Tennant Ingrid A, Thompson Debbie S and Forrester, Terrence. Cardiometabolic Risk in Marasmus and Kwashiorkor Survivors; *Springer International Publishing AG 2017*, Victor Preedy and Vinood B. Patel *Handbook of Famine, Starvation, and Nutrient Deprivation*; 1007/978-3-319-40007-5\_58-1

### **Refereed Journal Articles**

- Facey A; Dilworth L; **Wright-Pascoe R**; and Irving, R. Associate of Serum Lactate Dehydrogenase, Creatinine Kinase and Adiposity with Basal Lactate Concentration in Male and Female Jamaican Athletes. *The International Journal of sports Science*, Vol. 7, No. 2, 2017, pp. 94-98. doi: 10.5923/j.sports.20170702.11.
- Facey, A; Dilworth L; **Wright-Pascoe R**; Walker M; and Irving R. The Metabolic Hormones Leptin, Adiponectin and Troponin T in

Type 2 Diabetes Patients and Athletes in Jamaica. *International Journal of Diabetes Research*. doi: 10.5923/j.diabetes.20170602.01.

- **East-Innis ADC**, Stylianou K, Paolino A, **Ho J**. Acne keloidalis nuchae: risk factors and associated disorders – a retrospective study. *International Journal of Dermatology*. June 2017. Publisher: Wiley. DOI: <http://dx.doi.org/10.1111/ijd.13678>.
- **Maloney KC**, Ferguson TS, **Stewart HD**, **Myers A**, **DeCeulaer K**. Clinical and immunological characteristics of 150 systemic lupus erythematosus patients in Jamaica: a comparative analysis. *Lupus* 2017 Jan 1. doi: 10.1177/0961203317707828.[Epub ahead of print] (Lupus Journal Impact Factor=2.118. No citations)
- Forbes N, Johnson G, Mortimer A, Martin I, Frankson MA, Johnston K, **Thompson T**, Weissman S. The HIV continuum of care in the Bahamas in 2014. *Revista Panamericana de Salud Pública* (2016), 40(6), 443-447.
- **Dawkins YM**, Hanchard B, **Lee MG**. Amyloidosis of the colon. *International Journal of Case Reports and Images* Vol. 8 No. 9, September 2017. ISSN 0976-3198.
- **Lee MG** and **Dawkins Y**. Recent guidelines for H. pylori eradication therapy. *World Journal of Pharmacy and Pharmaceutical Sciences* 2017; (8):195–202.
- Macko Richard F, Forrester T, **Francis P**, Nelson G, Hafer-Macko C, Roy A. Interactive video exercise tele-rehabilitation (IVET) for stroke care in Jamaica: IEEE – NIH Healthcare Innovations and Point of Care Technology (HI-POCT). Conference Paper: November 2016. DOI:10.1109/HC.2016.7797719. Conference: 2016 IEEE Healthcare Innovation Point-of-Care Technologies Conference (HI-POCT)
- Thompson D, **Francis-Emmanuel P**, Barnett A, Royal-Thomas T, Osmond C, Hanson M, Byrne C, Gluckman P, Forrester T and Boyne M. Insulin sensitivity and insulin clearance in adult supervisors of malnutrition. *Journal of Clinical Endocrinology and Metabolism*, (2016) pp. 1–14.
- **Hoe KK**, Smith N, **Barton EN**, **Soyibo AK**. A “Full House”

Glomerulopathy in a Patient with multiple Lentigenes Syndrome: A Case Report. *Doi:10.7727/wimj.2016.001*.

- **Hoe KK, Barton EN, Soyibo AK**, Garcia G, Chavez-Iniguez J. Severity and Outcomes of Afro-Caribbean patients diagnosed with Community Acquired Acute Kidney Injury at an institution in Jamaica. *WIMJ 2017 Jan. Wimjiss: 1207: 141–149*.
- **Ali A**, Williams, M. Zika-V outbreak and Guillain-Barré syndrome in Jamaica. *Neurological Complications of Zika-virus infection in Jamaica. (Boston, MA, April 2017)*.
- Williams M, **Ali A**. Zika outbreak associated neurological syndromes in Jamaica. *West Indian Med J. 2016 October 25.doi 10.7727/wimj.2016.511 [Epub ahead of print]*
- Reid GP, Williams EW, Francis DK, **Lee MG**. Acute pancreatitis: A 7 year retrospective cohort study of the epidemiology, aetiology and outcome from a tertiary hospital in Jamaica. *Ann Med Surg (Lond)*. 2017 Jul 4;20:103-108. doi: 10.1016/j.amsu.2017.07.014. eCollection 2017 Aug

### Abstracts in Peer Reviewed Journals

- Taylor J, **Chin S**, Wharfe G. The clinical profile of triple negative breast cancer patients at the University Hospital of the West Indies, Jamaica. *West Indian Med J 2016; 65 (Suppl. 6): 24*
- Olugbuyi AO, Ferguson TS, Younger-Coleman NO, **Tulloch-Reid MK**, Knight-Madden JM, Samms-Vaughan ME, Ashley DE, McCaw-Binns AM, Wilks RJ. Intra-uterine growth, early life socio-economic status and bronchial asthma among young adults in Jamaica: the Jamaica 1986 Birth Cohort Study. *West Indian Med J 2016; 65 (Suppl. 6): 25*.
- **Maloney K**, Ferguson TS, **Stewart H**, **Myers A**, **DeCeulaer K**. Metabolic Syndrome in patients with systemic lupus erythematosus in urban Jamaica. *West Indian Med J 2016; 65 (Suppl. 6): 26*.
- **Hoe KK, Soyibo AK**, Chávez-Iñiguez J, Garcia-Garcia G, **Barton**

- EN.** Severity and outcomes of community acquired kidney injury: a single-centre study. *West Indian Med J* 2016; 65 (Suppl. 6): 37.
- McKenzie K, Langott E, Campbell J, **Elliott V**, Gossell-Williams M. Prevalence of potential drug-drug interactions with warfarin use at University Hospital of the West Indies Cardiology Clinic. *West Indian Med J* 2016; 65 (Suppl. 6): 37.
  - **Clarke N, Lawrence-Wright MB**, Christian C, Ferguson TS, **Thompson-Girish N**, Chung R, Best C, **Lee MG**. Valvular heart disease at Kingston Public Hospital in Jamaica, West Indies. *West Indian Med J* 2016; 65 (Suppl. 6): 42.
  - Bryson RJ, Ferguson TS, Younger-Coleman NO, Smith JA, Francis DK, McFarlane SR, **Tulloch-Reid MK**, Wilks RJ. Dietary practices and blood pressure control among hypertensive Jamaicans: the Jamaica health and lifestyle survey 2007–2008. *West Indian Med J* 2016; 65 (Suppl. 6): 43.
  - **McKenzie A**, Mullings JA, Boyne MS. The effect of using a standardized protocol to treat hyperglycaemic crises at the University Hospital of the West Indies. *West Indian Med J* 2016; 65 (Suppl. 6): 40.
  - **Lawrence D, Maloney K**, Ferguson TS, **Soyibo A, Thompson-Girish N, Lee M**. Prevalence of cardiovascular disease and risk factors in patients with systemic lupus erythematosus at the University Hospital of the West Indies – an Afro-Caribbean cohort. *West Indian Med J* 2016; 65 (Suppl. 6): 49.
  - **Thompson-Girish N, Clarke N, Lawrence-Wright M**, Christian C, Ferguson TS, **Lawrence D, Lee M**. Prevalence of atrial fibrillation and associated risk factors, among patients attending the Cardiology Clinic at the Kingston Public Hospital, Jamaica. *West Indian Med J* 2016; 65 (Suppl. 6): 51.
  - Menon U, Williams M, Grindley T, Morgan O, **Ali A**. Women and Epilepsy: A review of Practices in the Public and Private Setting 2012–2015. Poster presentation, *International Epilepsy Congress (IEC)*, Prague, Czech Republic, September 2016.

## PRESENTATIONS

### Professor R Wright-Pascoe

#### International

- International Guest Speaker the 10th Anniversary Caribbean Endocrine Society Symposium “Choosing Therapeutic Agents for Glycaemic Control in Diabetes Mellitus”, Sunday 7th May 2017, Trinidad, Hilton, Port of Spain, Trinidad
- Endocrine Aspects of Obesity Management, 5th Annual Conference Obesity Forum. Sunday, November 19, 2016, Jamaica Pegasus, Kingston, Jamaica
- University Diabetes Outreach Project 23rd Annual International Diabetes Conference on Diabetes and the Skin: Be Aware. “Managing Obesity”, April 20–22, 2017, the Jewel Runaway Bay, Jamaica

#### Local

- Novartis Continuing Medical Education: *The Art of Hypertension. The Endocrinologist Perspective*, Sunday June 4, 2017, the Knutsford Court Hotel, Kingston Jamaica.
- The Advancements in Medicine and Healthcare Forum 2016 – November 14–18, 2016. Public Health and Academic Health Institution.” Chester Villa Hotel, Kingston, Jamaica.
- The Association of Consultant Physicians of Jamaica 2016 Annual Symposium “After Metformin, what’s next?”, Sunday September 11, 2016 at the Jamaica Pegasus Hotel.
- Invited Guest Speaker at the 16th Annual Perinatal Conference “Medical Disorders in Pregnancy”, February 25-26, 2017, the Main Medical Lecture Theatre, UWI Mona, Kingston, Jamaica.
- Scientific Symposium of the 7th Annual Scientific Symposium of the Ophthalmological Society of Jamaica Conference. Update in the Management of Diabetes, Sunday March 19, 2017, Jamaica Pegasus Hotel, Kingston, Jamaica.
- Cardio – Diabetes Symposium – “Evaluation of hypertension control defining the applicability of fixed-does combination therapy” “Type

2 Diabetes Management – Glimepiride and Insulin Glargine”, Sunday, April 2, 2017, Pegasus Hotel, Kingston, Jamaica.

- Renal Function and Cardiovascular Event in Type 2 Diabetes Mellitus. Results from the TECOS Study. Cardiometabolic Symposium. Upstate on the Treatment of Diabetic Patients and Dyslipidemia, Sunday, June 25, 2017 – Spanish Court Hotel, Kingston, Jamaica.

**Dr K Maloney**

- Metabolic syndrome in urban Jamaican patients with Systemic Lupus Erythematosus: the preliminary analysis. Caribbean Association of Rheumatology Annual Conference. Curacao 2017
- Systemic Lupus Erythematosus in Pregnancy. 16th Annual Perinatal Conference. Department of Obstetrics and Gynaecology and Child and Adolescent Health 2017

**Dr M Arthurs**

- Irritable Bowel Syndrome. Department of Medicine Annual Summer Review Course. July 2017

**Dr Y Dawkins**

- A Case for Discussion – Clinicopathological Conference, University Hospital of the West Indies. November 2, 2016
- Recent Updates in the Management of Inflammatory Bowel Disease – Special Joint Medicine/Surgery Clinicopathological Conference, University Hospital of the West Indies, December 7, 2016
- Ulcerative colitis and Colon Cancer Risk Management – Jamaica Cancer Society Colon Cancer Medical Symposium. The Jamaica Pegasus Hotel, March 12, 2017
- Inflammatory Bowel Disease: An Overview and Update. KPH Second Annual Colorectal Cancer Awareness Day. Theme: Living with Inflammatory Bowel Disease, Kingston Public Hospital, March 17, 2017
- Optimizing Therapy in Inflammatory Bowel Disease – Department of Medicine Annual Summer Review Course, University Hospital of the West Indies

**Dr C Collie**

- JIS TV presentation on “Inhaled Substance Abuse and Lung Disease” for Jamaica Cancer Society, December 2016.

**Dr A Ali**

- Diabetes and Dementia: a review. Association of Consultant Physicians of Jamaica Annual Symposium, Kingston, Jamaica, September 2016.
- Zika virus, Guillain-Barré and the Jamaican epidemic – Jamaican Anaesthetic Association, Knutsford Court Hotel, Kingston, Jamaica, November 2016.
- Zika-virus and GBS: the Jamaican experience. 1st Neurology Conference, Hilton, Port-of-Spain, Trinidad, April 2, 2017.
- Approach to choosing the right anti-epileptic drug. 1st Neurology Conference, Hilton, Port-of-Spain, Trinidad, April 2, 2017.
- Adult neurological complications of Zika-Virus: the Jamaican experience. Platform presentation, American Academy of Neurology Annual Meeting, Boston, MA. April 27, 2017.
- Adult neurological complications of Zika-Virus: the Jamaican experience. Medicine Grand Rounds, Lahey Hospital, Tufts University, Boston, MA. April 28, 2017.

**INCOME GENERATION**

**Grants**

**Dr T Thompson**

- Grant title – Adherence to Highly Active Anti-Retroviral Therapy (HAART): A Trans-Caribbean Study

Project period – 12-01-2015 to 11-30-2016

Funding source – NIAID

Prime Award # - 5UMIA1AI0694-10

Grant support - \$52,446.00 USD

## **DONATIONS, FUNDS RAISED AND OTHERS**

### **Professor R Wright-Pascoe**

- 2017 Over 1.6 Million dollars earned from the Department of Medicine Annual Summer Review.
- 2016 Over \$500,000.00 earned from Sponsorship and from subscriptions from the Rolf Richards Distinguished Lecture

### **Professor E Barton**

- Raised donations through the Jamaica Medical Foundation in support of the UHWI Renal Foundation. J\$1M.
- Received donations of approximately J\$1.2M from CHASE to host the annual Nephrology and Hypertension Conference in January 2017
- Grant to CHARES J\$10M
- Obtained J\$3M worth of drugs including Dialysis fluid and erythropoietin which was donated to the UHWI, NFH, St. Ann's Bay Hospital, Nuttall Hospital and St. Joseph Hospital

## **PUBLIC SERVICE & OUTREACH**

### **Professor R Wright-Pascoe**

- Certificate of appreciation by the Ministry of Health for outstanding service and contribution to the National Non-communicable Disease Prevention and Control Programme, 4th National NCD Annual Review, September 8–9, 2016
- Awarded the Association of Consultant Physicians of Jamaica award for accomplishment and tremendous contribution to Internal Medicine, particularly in the field of Endocrinology on September 10, 2016 at the Jamaica Pegasus Hotel
- Opening Remarks of the Department of Medicine/Cardiology Unit
  - UHWI/UWI “Cardiomyopathies & Sudden Death”, Friday, February 17, 2017, Main Medical Lecture Theatre UHWI. Kingston, Jamaica

## Department of Medicine

- Chaired and Hosted “The Professor Eric K. Cruickshank Distinguished Lecturer by Professor Swamy Venkatesh on *Brain: Connections and Disconnections*, Friday June 23, 2017, Main Medical lecture Theatre, UWI Mona, Kingston, Jamaica
- Chaired and Hosted “The Rolf Richards Distinguished Lecturer by Professor Sir George Alleyne, University Chancellor of the University of the West Indies and Director Emeritus of PAHO. Friday, September 9, 2016. The topic of the lecture was entitled: “*The Compleat Physician*”.

### **Dr K Maloney**

- Continued public health campaign to increase awareness for SLE with appearances in the media both radio and television
- RJR “Health Line” radio show – Lupus Education – aired March 2017
- CVM TV “Health Watch” – Rheumatic Disease Awareness Month – September 2016
- Initiated, hosted and was the primary speaker at the first Rheumatic Disease Awareness Month local conference – September 2016.
- Member, Lupus Foundation

### **Dr T Thompson**

- Women’s Health Network of Jamaica (WHN) – member, annual volunteer 2015–present
- Rotary Club of Kingston East and Port Royal – annual Health Fair, Annual volunteer 2015–present

### **Dr C Collie**

- JLP Constituency Chairman and candidate for South East St. Andrew
- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI, Mona
- Chairman, Board of Directors, Ayrton Distributors Limited, Beechwood Avenue, Kingston 5

- Department Representative to UHWI Drug and Therapeutics Committee
- Department Representative to UHWI Accident & Emergency Advisory Committee
- Examiner for the MBBS Exams for the School of Clinic Medicine and Research in Nassau, Bahamas, May–June 2017

### **Professor E Barton**

- Screening for diabetes, hypertension, HIV and public health education in St. Ann, June 2017
- Outreach to the community of Meadowbrook regarding sexual disease education and screening for HIV
- Outreach to Manchester and surrounding areas; St. Ann and surrounding areas and Kingston and surrounding areas re charitable AV Fistula Mission  
August 3, 2016 – BCG Walk (JLP Young Jamaica Outreach)  
November 12, 2016 – Jamaica Theological Centre  
November 21, 2016 – UHWI Pharmacy Week  
November 26, 2016 – Triphina's Pharmacy  
December 1, 2016 – World AIDS Day  
December 3, 2017 – Outreach at Nannyville Health Centre

## **AWARDS**

### **Students: MBBS June 2017**

- The highest number of honours in the MBBS Medicine and Therapeutics Final Examination across all the campuses was received by Mona
- Best total written paper scores in the MBBS Medicine and Therapeutics Final Examination across all the campuses was awarded to a Mona Student

### **Academic Staff**

The Principal's award for the most research funds received from the Faculty of Medical Sciences was awarded to Dr. Tamara Thompson

## DEPARTMENT OF MICROBIOLOGY



Dr. Alison Nicholson, MBBS; DM  
Head of Department

### WORK OF THE DEPARTMENT

#### Accreditation of the Laboratory

One of the most significant achievements for the year 2016–17 was the accreditation of the Microbiology laboratory. The award ceremony was held on June 7, 2017. The Department was accredited by the Jamaica National Agency for Accreditation (JANAAC), effective May 10, 2017 for 4 years with yearly surveillance visits to the Department by JANAAC assessors. The medical laboratory services provided by the department, received ISO 15189 certification. JANAAC is the national accreditation body of Jamaica and is a signatory to the International Laboratory Accreditation Cooperation (ILAC), Mutual Recognition Arrangement (MRA) which promotes international confidence and acceptance of results from accredited laboratories. The scope of this accreditation covers all major areas of diagnostic testing spanning the



*Accreditation Certificate presented to The UWI, Mona Campus' Microbiology Laboratory. From left: Randy Dougherty (Chairman of the Inter-American Accreditation Co-operation), Dr Alison Nicholson (Head, Microbiology Department, The UWI), Professor Monica Smikle (Manager, Accreditation Committee), Simon Roberts (JANAAC Chairman) and Sharonmae Shirley (CEO, JANAAC)*

Microbiology sub-disciplines of bacteriology, virology, immunology, mycology and parasitology.

As an accredited laboratory, the department is now able to use the JANAAC logo and accreditation symbol on its reports and certifications. This certification holds important benefits for all stakeholders including increased international research collaboration by The University of the West Indies and greater prospects for medical tourism by the University Hospital of the West Indies. The department achieved this after years of intense work with excellent support from the University.

### **The National Influenza Centre (NIC)**

In its capacity as the National Influenza Centre (NIC) the Department of Microbiology is a part of the Global Influenza Surveillance and

Response System (GISRS) and the Pandemic Influenza Preparedness (PIP) Framework for the sharing of Influenza viruses and access to vaccines and other benefits in accordance with the terms of reference (TOR). As at September 2016 the NIC collaborated with the Ministry of Health (MOH) in a cooperative agreement with the Centers for Disease Control, Prevention (CDC) in Atlanta, Georgia. This collaborative project is entitled, “Surveillance and Response to Avian and Pandemic Influenza in Jamaica” and aims to strengthen influenza surveillance capacity in Jamaica. During the period June 2016 –June 2017 the NIC laboratories had three onsite external assessments conducted by expert teams of assessors from PAHO/WHO and CDC and participated, successfully, in three external quality assurance programmes (EQAP). Participation in the WHO National Influenza Centres Meeting (Geneva, Switzerland, July 2017 – marked the 65th year of the GISRS) and Severe Acute Respiratory Infection Network (SARINet) 4th Annual Meeting (Punta Cana, Dominican Republic, May, 2017) provided pertinent recommendations for the way forward. The Department is expected to benefit from training in Biosafety (Panama, August 2017).

### **Infection Prevention & Control**

The Microbiology department continues to lead the Infection Prevention and Control (IPC) programme. A training programme that includes the use of an IPC DVD has been developed by Dr Alison Nicholson and team. The DVD was launched at the UHWI on February 7, 2017.

Hundreds of employees at the University Hospital of the West Indies have so far been trained. The Department facilitated a visit to the UHWI from January 27–February 9, 2017 by Dr S Haessler, Infectious Diseases Specialist and Hospital Epidemiologist at the University of Massachusetts, USA. During her 10 day visit, she delivered lectures on IPC to both staff and students and participated in the Caribbean Neurosciences Symposium.

### **Antimicrobial Resistance**

The UWI is partnering with the MOH in its fight against antimicrobial

resistance. Dr A Nicholson is a member of the team developing a National Action Plan (NAP) against Antimicrobial Resistance. This is part of a Global Action Plan being driven by WHO. The NAP includes a national campaign to educate healthcare workers as well as members of the public on antimicrobial resistance.

### **Sexually Transmitted Infections (STI's)**

Dr Magnus Unemo, a world-leading WHO expert of laboratory diagnosis of STI's and associated antimicrobial resistance, was invited by Dr Joshua Anzinger to further STI research activities in the Department of Microbiology to provide a distinguished lecture at The University of the West Indies; and to provide expert advice for the routine diagnostic microbiology laboratories of UHWI and NPHL. This collaboration will result in future publications and the potential for reintroduction of antimicrobial resistance surveillance in Jamaica.

### **Mycology**

The Mycology Laboratory (UWI) continues to offer its services to the University Hospital of the West Indies (UHWI) and other health care institutions in providing health care delivery in the laboratory diagnosis of fungal infections. The aim is to upgrade the section to a reference laboratory for the Caribbean region. Incoming specimens including environmental samples have increased by about 15–20%. There has also been improvement in the quality of specimens taken. This is as a result of efforts made by the section to guide sample collection by clinicians and other health care providers.

There has also been increased income generating requests for investigating environmental mould contamination and remediation solutions.

### **Continuing Medical Education**

The Department has started a series of presentations on a range of scientific topics by distinguished speakers. This initiative was led by Mrs

Joyce Jones, Senior Medical Technologist. Other disciplines in the Faculty of Medical Sciences are invited. CME credits are awarded for these presentations.

### Capacity Building

Dr Sandra Jackson facilitated the recruitment of UWI MPH student for internship at WHO, Geneva. This was done in collaboration with the Global Influenza Program manager, Wenqing Zhang, and the Global Influenza and Surveillance Team, Terry Besselaar, Christian Fuster and Magdi Samaan. Dr Jackson also facilitated the collaboration between WHO and MOH, Jamaica and The UWI on the study assessing the Global Burden of Influenza. Collaborators include Julia Fitzner (WHO), Monica Smikle, Sandra Jackson and Karen Webster.

### Micro Moves

In keeping with the national mandate to encourage physical exercise as demonstrated in Jamaica Moves, the department, led by Ms Alcía Jones, has started a 30 minute lunch time aerobic exercise programme. It is hoped that the losses shown by participants will encourage others to join the movement.

### PUBLICATIONS

#### Refereed Journal Articles

- **Reynolds-Campbell G, Nicholson A, Thoms-Rodriguez CA.** Oral Bacterial Infections: Diagnosis and Management. *Dent Clin North Am.* 2017 Apr; 61(2):305-318. doi: 10.1016/j.cden.2016.12.003.
- **Nicholson AM,** Tennant IA, Martin AC, Ehikhametalor K, **Reynolds G, Thoms-Rodriguez C,** Nagassar R, Hoilett T, Allen R, Redwood T, Crandon I. *Hand Hygiene Compliance by Health Care Workers at a Teaching Hospital, Kingston, Jamaica. J Infect Dev Ctries* 2016; 10(10):1088-1092. doi:10.3855/jidc.7083

- **Anzinger JJ**, Jin X, Palmer CS, Dagur P, Barthwal MK, Kruth HS. *Measurement of Aortic Cell Fluid-Phase Pinocytosis in vivo by Flow Cytometry. J Vasc Res.* 2017; 54:195–199.
- Metsky HC, Matranga CB, Wohl S, Schaffner SF, Freije CA, Winnicki SM, West K, Qu J, Baniecki ML, Gladden-Young A, Lin AE, Tomkins-Tinch CH, Ye SH, Park DJ, Luo CY, Barnes KG, Shah RR, Chak B, Barbosa-Lima G, Delaorre E, Vieira YR, Paul LM, Tan AL, Barcellona CM, Porcelli MC, Vasquez C, Cannons AC, Cone MR, Hogan KN, Koppy EW, **Anzinger JJ**, Garcia KF, Parham LA, Ramirez RMG, Montoya MCM, Rojas DP, Brown CM, Hennigan S, Sabina B, Scotland S, Gangavarapu K, Grubaugh ND, Oliveira G, Robles-Sikisaka R, Rambaut A, Gehrke L, Smole S, Halloran ME, Villar L, Mattar S, Lorenzana I, Cerbino-Neto J, Valim C, Degraeve W, Bozza PT, Gnirke A, Anderson KG, Isern S, Michael SF, Bozza FA, Souza TML, Bosch I, Yozwiak NL, MacInnis BL, Sabeti PC. *Zika virus evolution and spread in the Americas. Nature.* 2017; 546:411–415.
- Butterfield TR, Hanna DB, Kaplan RC, Kizer JR, Durkin HG, Young MA, Nowicki MJ, Tien PC, Golub ET, Floris-Moore MA, Titanji K, Fishcl MA, Heath SL, Martinson J, Crow SM, Palmer CS, Landay AL, **Anzinger JJ**. “Increased glucose transporter-1 expression on intermediate monocytes from HIV-infected women with subclinical cardiovascular disease” *AIDS.* 2017; 31:199-205.
- Uhrlaub JL, Pulko V, DeFilippis VR, Broeckel R, Streblow DN, Coleman GD, Park BS, **Lindo JF**, **Vickers I**, **Anzinger JJ**, Nikolich-Zugich J. “Dysregulated TGF- $\beta$  Production Underlies the Age-Related Vulnerability to Chikungunya Virus” *PLoS Pathog.* 2016:e1005891.
- **Vickers IE**, Nelson K, Brown M, **Lindo JF** et al “Evaluation of OneStep Dengue NS1 RapiDip™ InstaTest and OneStep Dengue Fever IgG/IgM RapiCard™ InstaTest during the course of a dengue type 1 epidemic” *Diagnostic Microbiology and Infectious Disease* 2017
- Waugh CA, **Lindo JF**, Lorenzo-Morales J, Robinson RD (2016). An epidemiological investigation into the situation and events following emergence of *Angiostrongylus cantonensis* in Jamaica.

- Parasitology* 143(9):1211-7. doi: 10.1017/S0031182016000640
- Uhrlaub JL, Pulko V, DeFilippis VR, Coleman GD, **Lindo JF**, **Vickers IE**, **Anzinger JJ**, Nikolich-Zugich J (2016). Dysregulated TGF- $\beta$  production underlies the age-related vulnerability to chikungunya virus. *PLoS Pathog.* 12(10), p.e1005891.
  - Lee MF, Cadogan P, Eytel S, Copeland S, Walochnik J, **Lindo JF** (2017). Molecular epidemiology and Multilocus sequence analysis of potentially zoonotic *Giardia* spp. from humans and dogs in Jamaica. *Parasitology Research* 116: 409–414.
  - Lee MF, Herbert Auer H, **Lindo JF** and Walochnik J (2017). Multilocus sequence analysis of *Giardia* spp. isolated from patients with diarrhea in Austria. *Parasitology Research* 116(2), 477–481).
  - L Campbell, **G Reynolds**, R Stevens: “Knowledge, attitudes and practice regarding personal cervical cancer screening among clinical staff working in obstetrics and gynaecology at two tertiary institutions in Jamaica”. *West Indian Medical Journal* (2017). doi:10.7727/wimj.2016.280 2.
  - **G Reynolds-Campbell**, L Campbell, T Williams, **O Heslop**; “Microbiological profile of mycotic eye infections at a tertiary care centre in the Caribbean: A retrospective analysis”. *International Journal of Infectious Diseases* 45, 1 (2016): 316-317. ISSN1201- 9712 (POSTER PRESENTATION 17th Annual International Congress on Infectious Diseases Conference, Hyderabad India (2016)
  - CDC Christie, R Melbourne-Chambers, J Ennevor, S Young-Pearl, T Buchanan, P Scott-Brown, N McNeil-Beecher, T Fulford-Ramdial, M Richards-Dawson, T James-Powell, **ST Jackson**. *Chikungunya in Jamaica – Public Health Effects and Clinical Features in Children*. *West Indian Med J.* (2016) doi:10.7727/wimj.2016.529

### Technical Report

- Jackson ST (2017). WHO Global RSV Surveillance Based on GISRS, a strategy for a Pilot. (29 pages)

## **INCOME GENERATION**

- **Source:** The University of the West Indies Research and Publication Grant

**Title:** Glucose Immunometabolism during Combination Antiretroviral Therapy Treated HIV Infection

**Grant Period:** 2017 (1 year)

**Total Amount:** US\$2,975.00

**Principal Investigator:** J Anzinger

- **Source:** Centers for Disease Control

**Title:** Surveillance and Response to Avian and Pandemic Influenza

**Grant Period:** 2016–2021

**Total Amount:** US\$2,000,000.00

**Principal Investigator:** J Anzinger

- **Source:** Ministry of Health, Jamaica

**Title:** The Antimicrobial Sensitivity Testing of Positive STI Samples: To Determine the Sensitivity of Gonorrhea Samples to Produce Findings to Inform Updated STI Treatment Guidelines

**Grant Period:** 2016–2017

**Total Amount:** JA\$2,080,000.00

**Principal Investigator:** J Anzinger

## **PUBLIC SERVICE**

**Professor J Lindo**

- Acting Director, National Laboratory Services, Ministry of Health, Jamaica

## Department of Microbiology

- Member, Board of Management, University Hospital of the West Indies
- Member, Rotary Club of New Kingston

### Dr. ST Jackson

- Member, WHO Secretariat. WHO Global Influenza Program and WHO Global Influenza Surveillance and Response System
- Laboratory Focal Point for WHO Respiratory Syncytial Virus Global Surveillance Pilot for 14 countries in the 6 WHO regions. Global Influenza Programme

## STUDENTS

<b>Candidate</b>	<b>Mentor(s)</b>	<b>Programme</b>
Christie, Olivene	Nicole Christian	MSc
Daley, Alyair	Nicole Christian	MSc
Henry, Jenille	Nicole Christian	MSc
Record, Norella	Nicole Christian	MSc
Williams-Lemonius, Rosalee	Nicole Christian	MSc
Alcia Jones (current)	John Lindo	MPhil
Simmoy Noble	John Lindo	MPhil
Felicia Bailey	John Lindo	MPhil
Tiffany Butterfield	Joshua Anzinger	PhD
Suzette Cameron	Joshua Anzinger	PhD
Rohan Willis	Monica Smikle	PhD
Anique Chin	John Lindo	DM
Kathryn Pearson	John Lindo	DM
Ynolde Leys	Dr C Thoms-Rodriguez	DM
Kereann Lindsay	Ivan Vickers	DM
Jerome Walker	Alison Nicholson	DM
Jessica Edwards	Ivan Vickers	DM
Camille Blake	Alison Nicholson	DM
Inshan Ali	Alison Nicholson	DM
Nakeisha Otto-Stewart	Alison Nicholson	DM

## DEPARTMENT OF OBSTETRICS & GYNAECOLOGY



**Dr. Carole Rattray, MBBS, DM (O&G), FRCOG, FACOG**  
**Head of Department**

### **WORK OF THE DEPARTMENT**

The department continues to make great strides in Teaching and Research & Service activities. Our Associate Lecturers from our affiliate accredited hospitals of Cornwall Regional Hospital, Mandeville Regional Hospital, Spanish Town Hospital and Victoria Jubilee Hospital & The May Pen Hospital continue to give indispensable support to the department as the numbers of undergraduate students continue to grow and we have recently started sending students to the Savannah-La-Mar hospital for clinical rotations.

Our services include general Obstetrics and Gynaecology, Reproductive Endocrinology and Assisted Reproduction, Gynaecological Oncology and Perinatal services and we are proud to have introduced a new clinical Fellowship Programme, the Gynaecological Oncology Fellowship Programme, to the offerings from our department. The primary thrust of this fellowship programme is to train persons in gynaecological oncology

to serve Jamaica & the wider Caribbean and we have started with one Fellow from Jamaica and one from St. Vincent. This Fellowship Programme is spearheaded by Drs. Matthew Taylor and Ian Bambury.

Our Maternal Fetal Medicine Fellowship Programme continues to attract many applicants and is presently still run in conjunction with the PROMAC programme.

### **Obstetric Perinatal Service**

This service manages high risk Obstetric cases and accepts referrals from the rest of the island. The Unit provides teaching for postgraduate and undergraduate medical students. Perinatal Audits occur monthly as a joint meeting with the Department of Child Health and annual conference in February of each year is run by the High Risk Obstetric team in collaboration with the Neonatologists & Neonatal Pathologists..

The Labour Ward and Postnatal Services are supervised by Drs. Michelle Campbell and Lenroy Bryan who also teach undergraduate and postgraduate students as well as midwives in training.

The Department offers Obstetric Ultrasound Services to both the University Hospital and referrals from outside the University. Ultrasound courses are offered twice a year through the PROMAC initiative. Ultrasound training is spearheaded by Dr. Nadine Johnson and Dr. Tiffany Hunter.

### **Oncology Unit**

Dr. Taylor & Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Rattray & Dr. Mitchell & Dr. Medley, form the Gynaecological Oncology Team. They are assisted by Sister Murdoch and her team of nurses as well as administrative secretary Miss Thompson. Residents rotate through the unit spending 2 months in the Colposcopy and Oncology areas. Patients requiring colposcopy in the management of the abnormal cervical smear are seen in the Colposcopy clinics while patients with gynaecological malignancies, are seen in the

Oncology clinic both in preparation for surgery and in following patients post-surgery, post chemotherapy and radiation therapy. The Unit also has facilities for teaching both undergraduate and postgraduate students

### **Fertility Management Unit**

Dr. Vernon DaCosta took over as Director of the Unit following the retirement of Professor Joseph Frederick. The team in the Unit consists of Drs. Shaun Wynter, John Harriott, Loxley Christie and Sharifa Frederick as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counselors. Two other staff members in the programme are Miss Denise Everett, a senior embryologist (Biologist) and Miss Hillary Walters a staff Nurse as the coordinator of the programme. This team has championed the In Vitro Fertilization and Embryo Transfer Programme for Jamaica and the Caribbean. Pregnancy rates continue to improve and frozen embryos and donor eggs are now being stored. Minimally invasive procedures such as hysteroscopy and laparoscopy (both diagnostic and therapeutic procedures) are provided as day case procedures and the family planning clinic offers contraceptive and sterilization advice.

### **STAFF**

**Professor Horace Fletcher, Professor Obstetrics & Gynaecology.**

#### *Conferences attended*

- Caribbean Gynaecologic Cancer Society annual meeting University Miami Sylvester Center, January 13–17 2017
- Caribbean Gynaecologic Cancer Society Marriot Courtyard Bridgetown – Barbados Fellowship Meeting Agenda, April 8, 2017

### **GRANT FUNDING**

- **Bambury I, Fletcher H.** Principals New Initiative Grant \$1.5 Million
- Guinea Hen Weed (DTS) in the treatment of advanced cancer( colon, breast prostate and Cervix)

**Dr. Santosh Kulkarni, Senior Lecturer**

Head of Firm B – High Risk Obstetrics Team

*Teaching*

- Undergraduate – UG module in 3rd year, MBBS and 4th and 5th year clerkships

*Postgraduate-*

- Convener of the module system for the DM curriculum at Mona (completed full cycle of total 16 module course June 2016). Commenced new cycle July 2016 to June 2020
- Implementation of module exams online with Dr. Darron Halliday in the Bahamas (Jan 2016)

DM student supervisor for Dr. Robyn Khemlani: ethics approval granted

- Maternal transport to UHWI-clinical outcomes
- Psychological and sexual well-being following emergency hysterectomy

**Dr. Shaun Wynter, Senior Lecturer**

Work in the Department (General)

- A member of the Firm A team with the concentration of work is within the HWFMU. The work assignments are on a 4 week rotation, Monday to Friday with assignments to IVF ultrasound, IVF procedures, Endoscopy surgery lists, Teaching and service to the hospital.

*Teaching*

- Undergraduate – Junior & Senior clerkship students
- Postgraduate – Residents rotating to the HWFMU for endoscopic surgery training.
- Dr Wynter created the electronic data capture in excel for all the cases going to the OT and extracted the endometriosis cases for further evaluation in SPSS for analysis.

### *Income Generation*

The IVF and the endoscopic surgery procedures that I perform in the HWFMU daily are all income generating for the UWI.

### *Outreach*

I was a member of the ISGE CAGES international conference organising committee that was held in March 2017.

### *Papers / Posters Presented (Major conferences/Seminars)*

- Common Gynaecological Issues in Adolescence. The Ministry of Health in collaboration with University Hospital of the West Indies 6th annual national workshop “*The Adolescent Patient*” Braco Melia Hotel, Jamaica, December 18, 2016
- “Whose cell is it anyway” Jamaica Medical Doctors Association 7th Annual Ethics Conference, Mona Visitors Lodge, February 5 2017
- A challenging case of recurrent post menopausal bleeding **CPC** main lecture Theatre FMS UWI, February 15 2017
- Laparoscopic Fertility Enhancing Surgery; The Jamican experience. **ISGE CAGES International Congress and Post-Graduate Courses.** Hilton Rose Hall. Montego Bay, Jamaica, March 24, 2017
- Presented with the UWI 21 years Long service award 1995–2016

## **Dr. Carole Rattray**

### **Senior Lecturer, Head Department**

- A member of the Gynaecological Oncology Team
- First Examiner across all 4 UWI campuses in December 2016 - May/June 2017.

### *Teaching:*

- Undergraduate – MBBS junior & senior students in didactic lectures, tutorials and clinical situations on the wards, in the clinics & in the O.T

*Postgraduate*

- Didactic lectures, tutorials and clinical situations on the wards, in the clinics & in the O.T
- Postgraduate Module on Research & Statistics with hands on practical sessions in SPSS
- Setting of final examination papers both undergraduate & postgraduate & administration of the examinations across all 4 campuses
- Initiation of Fellowship Programme in Gynaecological Oncology
- Income Generation: PROMAC – Scholarship awards, Equipment for Fellowship Programme in MFM & Emergency Obstetrics (Ultrasound Machine & CTG Machines)

**Dr. Vernon. DaCosta, Senior Lecturer**

- Teaching- Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit as Director

**Dr. Sharmaine Mitchell, Lecturer**

- A member of the Gynaecological Oncology Team
- Teaching- Both Undergraduate & Postgraduate Students
- The primary advocate for Undergraduate students and conducts revision sessions for the MBBS examinations. Departmental Representative on the University Hospital Pharmacy committee

**Dr. Nadine Johnson, Lecturer**

- Teaching- Both Undergraduate & Postgraduate Students
- Materno-Fetal Medicine Specialist in the Department with responsibilities for conducting and Teaching & Research in Obstetric Ultrasound.

**Dr. Donnette Simms-Stewart, Senior Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- Continued Involvement in student teaching and research.

- The Folic Acid Clinical Trial (FACT trial) entered its final stages and culminate in an unveiling of results in Ottawa Canada in May 2018. We await publication which is targeted for September 2018.
- FACT CHILD , an arm of the study, funding was approved and protocol discussed at the meeting and is set to commence in this academic year.
- Dr. Donnette Simms-Stewart continue to coordinate the year 2 to 3 genitourinary module and this year was particularly smooth.
- Staging of annual ACOG conference – The Bleeding Woman was a success

**Dr Ian Bambury, Lecturer**

- Member of the FIRM C Oncology team, providing services to oncology patients across the island of Jamaica.
  - Teaching Undergraduate & Postgraduate students
  - Departmental representative on the Committee for Graduate Studies
- Dr Bamburt is involved in coordinating and moderating the monthly Gynaecology Audits presented by the residents.

**Dr. John Harriott, Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.
- Departmental Representative on the University Ethics Committee

**Dr. Loxley Christie, Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.
- Departmental Representative on the University Hospital Accident & Emergency Committee

**Dr. Sharifa Frederick, Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.

**Dr. Leslie Samuels, Associate Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- Responsible for the preparation of DM 1 candidates for examinations

**Dr. Matthew Taylor, Associate Lecturer**

- Teaching- Both Undergraduate & Postgraduate Students
- The Chairman of the OSCE Committee with responsibilities for creating, collecting, vetting OSCE questions and implementation of end of clerkship OSCE examinations for both Junior & Senior clerkships in Obstetrics & Gynaecology.

**Dr. Cathy Maddan, Associate Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students

*Presentations*

- Family Nurse Practitioners of Ja Annual Conference ( National Chest Hospital )
- Hypertensive Disease in Pregnancy
- Midwifery School UHWI
- Cardiac Disease in Pregnancy
- UHWI Annual Perinatal Conference
- Antenatal Care for the Sickle Cell Patient
- Trainer in the JOTTIE program 2016, 2017

Organizer for “The UWI Annual Perinatal Conference: Obesity a Worldwide Epidemic” in conjunction with the Department of Child Health. Over 300 persons in attendance from across the island with a guest speaker from MetroHealth Ohio, Prof Patrick Catalano.

- Member of the Review Group for Maternal Mortality for the SERHA Region

*Community Outreach*

- Medical Doctor Elsie Beaman Home for Girls ( St. Andrew )

**Dr. Tiffany HunterGreaves**

**Lecturer**

- Work in the Department (General)
- Position: Consultant and Lecturer
- Chief architect in the administration of the new Fellowship Programme in Feto-Maternal Medicine & Emergency Obstetrics

*Teaching*

- Undergraduate: Clinical based teaching, didactic sessions and presentation moderation of 2nd–5th year medical students. Specifically, case based learning (CBL) sessions and practice OSCEs with final year medical students

*Postgraduate:*

- Tutorial sessions with Doctor of Medicine part 2 students
- Instructor in ultrasound course offered by Department of Obstetrics and Gynaecology
- Development and coordination of new Post-graduate programme for the department (Fellowship in Maternal Fetal Medicine and Emergency Obstetrics)

*Papers presented*

- **T. Hunter, O. Cunningham, J. Harriott, G. Lewis, C. Rattray.** “Current Practice and Knowledge of Aneuploidy Screening, a Nationwide Survey”. (*Poster presentation*)
- 65th Annual Clinical and Scientific Meeting of the American College of Obstetricians and Gynecologists, May 6–9, 2017, San Diego, CA.

**Dr. Natalie Medley, Associate Lecturer**

- Member of the Gynaecological Oncology Team
- Internal operational procedures
- Assisted with organizing and training in the first UHWI obstetric skills and drills workshop (JOTTIE)
- Teaching, learning and student development

## Department of Obstetrics & Gynaecology

- Assist with organizing lectures for MFM fellowship program
- Presenter in MFM ultrasound course – Doppler in Obstetrics
- Undergraduate & postgraduate seminar moderator
- Member of the UWI Ethics Committee

### **Dr. Michelle Campbell, Associate Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- The Consultant in charge of the Labour and Delivery suite and the Postnatal Services and champion in the renovation of the Labour Ward.

#### *Income Generation*

- Income was generated from the Perinatal Conference held in February 2017 which I coordinated. A report of this was previously submitted. A portion of these funds went towards the improvement of the labour ward.

#### *Public Service*

- Health care provider of/with Hope Gospel Assembly's (which is a registered charity) Care Clinic. Providing health care free of cost to the less fortunate in and around the Kingston 6 area. We also finance an annual back to school project for students of the same area whose parents are having financial difficulties.

### **Dr. Lenroy Bryan, Associate Lecturer**

- Teaching – Both Undergraduate & Postgraduate Students
- The Consultant in charge of the Labour and Delivery suite and the Postnatal Services and champion in the renovation of the Labour Ward.
- Member of the UHWI Protocol Committee

### **Income Generation: External Research Funding and Grant Support**

Research funding: **Dr SimmsStewart**

- Twin Birth Study - US\$ 60,000
- FACT trial - US\$10,000

### **International Publication History**

**Issue published online: 13 JUL 2010**

**Article first published online: 13 JUL 2010**

### **VISITORS TO THE DEPARTMENT**

- Visiting US and ISGE surgeons from Belgium, Germany, Iran and India performed endoscopic cases in the HWFMU, alongside myself and other Firm A consultants, on March 21, 2017
- Professor Philip Steer (UK)– External Examiner December 2016
- Professor Gene Burkett (USA)- External examiner May/June 2017

### **PUBLIC SERVICE**

#### **Dr. S Kulkarni**

- Jamaica MOH Maternal Mortality audit Committee
- Jamaica MOH Patient Affairs Audit Committee

#### **Dr. Nadine Johnson & Dr. Cathy Maddan**

- Coorganizers of annual perinatal conference.

### **INTERNATIONAL POSITIONS**

**Dr. Simms Stewart:** ACOG Vice Chair, West Indies Section

### **PUBLICATIONS**

- Assessment of fish consumption and mercury exposure among pregnant women in Jamaica and Trinidad & Tobago. Ricketts P, Basu

- N, **Fletcher H**, Voutchkov M, Bassaw B. *Chemosphere*. 2016 Dec;164:462-468. doi: 10.1016/j.chemosphere.2016.08.054. Epub 2016 Sep 7.
- Factors associated with mercury levels in human placenta and the relationship to neonatal anthropometry in Jamaica and Trinidad & Tobago. Ricketts P, **Fletcher H**, Voutchkov M. *Reprod Toxicol*. 2017 Apr 28;71:78-83. doi: 10.1016/j.reprotox.2017.04.008. [Epub ahead of print] Volume 71, August 2017, Pages 78–83
  - Effect of early tranexamic acid administration on mortality, hysterectomy, and other morbidities in women with post-partum haemorrhage (WOMAN): an international, randomised, double-blind, placebo-controlled trial. **WOMAN Trial Collaborators (Fletcher H, Samuels L)** *Lancet*. 2017 May 27;389(10084):2105-2116. doi: 10.1016/S0140-6736(17)30638-4. Epub 2017 Apr 26.
  - Total reflection X-ray fluorescence as a fast multielemental technique for human placenta sample analysis. Marguï E, Ricketts P, **Fletcher H**, Karydas AG, Migliori A, Leani JJ, Hidalgo M, Queralt I, Voutchkov M. *Spectrochimica Acta Part B: Atomic Spectroscopy* 130, 53-59
  - Zika virus and pregnancy. Bahado-Singh, A. Citil-Dogan, S. Wayne, S. Bauer, D. Ogunyemi, S. **K. Kulkarni**. Accepted author version posted online: 10 Jun 2016, Published online: 12 Apr 2017 *The Journal of Maternal-Fetal & Neonatal Medicine*, 30(13), p. 1539
  - **T. Hunter-Greaves**, O. Cunningham, **J. Harriott**, **C. Rattray**. “Current Practice and Knowledge of Aneuploidy Screening, a Nationwide Survey”. *West Indian Medical Journal Nov 2016*. Vol 65 (Supl. 6): p.51-52
  - **T. Hunter-Greaves**, O. Cunningham, **J. Harriott**, G. Lewis, **C. Rattray** . “Current Practice and Knowledge of Aneuploidy Screening, a Nationwide Survey”. *Obstetrics & Gynecology: May 2017-Volume 129-Supplement 1*. p. 27s.
  - **T. Hunter**, J. Shah, A. Synnes, S. Shivananda; G. Ryan, P. Shah, K. Murphy, on behalf of the Canadian Neonatal Network. “Neonatal

outcomes of preterm twins according to mode of birth and presentation".

*Journal of Maternal Fetal Neonatal Medicine*. 2017 March 8:1-7.

- Evaluating Near Miss Mortalities at the UHWI. Maternal Death and Surveillance Group – The Regions of the Americas, Guidelines for Maternal Death Surveillance. **C. Maddan** et al. Dec 2016

## **EDITORIAL BOARD MEMBERSHIP AND OTHER RESEARCH RELATED ACTIVITIES**

### **Fletcher H**

*West Indian Medical Journal*

*Journal of Obstetrics and Gynaecology (UK)*

*International Journal of Obstetrics and Gynaecology (USA)*

*Obstetrics and Gynecology (Green Journal) (USA)*

## DEPARTMENT OF PATHOLOGY



**Dr. Gilian Wharfe**  
**Head of Department**

### **WORK OF THE DEPARTMENT**

**D**uring the year under review the Department of Pathology continued to strive to achieve the strategic goals of the university through excellence in teaching, research and innovation. Members of staff remains committed to the teaching of undergraduates in the Pathology/Microbiology clerkship despite the huge number of students, which often poses a difficulty for effective delivery. A total of 16 articles inclusive of book chapters were published in various peer reviewed journals. Efforts to improve research and innovation have resulted in the implementation of a monthly research meeting to motivate and empower staff members to engage in research activities.

### **Laboratories and Autopsy Service**

The department consistently provides the UHWI and other medical facilities in Jamaica and the region with high quality laboratory service.

However, this is often disadvantaged by a shortage of reagents and supplies due to recurrent budgetary constraints. Notwithstanding, the department has made significant progress in collecting fees at source for our laboratory services which has proved to be a great help in enhancing the budget.

The Histopathology Laboratory accessioned and processed 9,053 surgical cases which generated 44,656 tests. Total immunohistochemistry tests were 1,450. The Cytology Laboratory processed 2,627 pap smears and 697 non-gynaecological cases. A total of 153 autopsies were performed, including 32 perinatal autopsies. The Chemical Pathology Laboratory performed a total of 686,724 tests while Routine Haematology Laboratory received and processed 103,944 specimens. The Blood Bank processed 3,200 blood donors and performed 20,796 tests.

### **Laboratory Information System**

This system continues to work effectively in the routine Haematology and Chemical Pathology laboratories. End users can easily access results online decreasing wait times for results as well as reducing time spent by laboratory staff in telephoning results. Anatomical Pathology has yet to get online.

### **Accreditation**

During the year the department submitted an application for the accreditation of tests conducted in the laboratories to the Jamaica National Agency for Accreditation (JANAAC) in March 2017.

JANAAC is currently conducting a review of the documents that were submitted and should be indicating shortly the date of the On-Site Initial Assessment. At this stage a team of Assessors from JANAAC will visit the laboratories in the department to evaluate the level of conformance of its equipment, methods and staff to ISO 15189:2012.

## **TEACHING & LEARNING**

### **Undergraduate Programmes**

The Department remains committed to the teaching of Pathology in both Stages I and II of the MBBS programme, delivering lectures in all aspects and sub-specialties of Pathology. Every ten weeks 50–70 students rotate and sit the Pathology/Microbiology Stage II examination.

### **Graduate Programmes**

The DM programmes in the department continue, with offerings in Anatomical Pathology, Haematology/Oncology and Chemical Pathology. Applications to the DM Anatomical Pathology and Haematology/Oncology have continued to increase. Four residents were accepted in the DM Anatomical Pathology programme this year making a total of fifteen residents in the programme. Five were accepted in the DM Haematology/Oncology programme, a total of sixteen in the programme. The Ministry of Health continues to recognize the value of these programmes by sponsoring students for these programmes. Three residents were successful in the DM (Pathology) exit examination held in November/December 2016. Two candidates sat the DM (Haematology/Oncology) exit examination in June 2017 and one was successful. One candidate sat the DM (Chemical Pathology) exit examination in November/December 2016 and was successful.

## **RESEARCH & INNOVATION**

### **Jamaica Cancer Registry**

#### ***Case Registration***

The registration of cancers continues in earnest at the University Hospital of the West Indies, following the employment of a second Nurse Registrar in June 2016. Cancer registration from other institutions in Kingston & St. Andrew has been hampered by administrative issues regarding

employment of nurse registrars, but it is hoped that the issues will be resolved soon.

### ***International Agency for Research on Cancer (IARC) commitments***

The registry's cancer data for the period 2008–2011 was accepted for publication in the eleventh volume of “Cancer Incidence in Five Continents”, a publication from the International Agency for Research on Cancer (IARC). In addition, registry data on childhood cancer for the period 1982–2012, will be published in the third volume of *International Incidence of Childhood Cancer*, another publication from the IARC.

### ***Personnel***

The nurse registrar staff complement remains at two (2), as does the complement of pathologists who undertake the work of the registry.

### ***Research***

In keeping with tradition, the Registry continued to provide information on cancers to members of the medical community and the Ministry of Health, and to assist in various research projects.

In addition to submission of data for IARC publication, the registry also published an article on sinonasal malignancies in the international, peer-reviewed journal, *Cancer Causes and Control*, as cited under publications below.

### ***Conferences***

There will be no representation from the Jamaica Cancer Registry at this year's annual conference of the International Association of Cancer Registries (IACR). However, the registry's IACR membership will be renewed.

### ***Future Goals***

The registry will be making another thrust in the upcoming academic year to liaise with the Registrar General's Department (RGD), to acquire data to enable registration of cancer deaths within the registry. This will

require acquisition of one additional registrar, with approved access to RGD data.

### **Cytogenetics Laboratory**

During the period at caption, the clinical and research activities of the Cytogenetics laboratory were hampered by prolonged absence of the laboratory's sole technologist. The laboratory resumed limited operation on July 24, 2017, with the assistance of Dr. Kamali Carroll from the Hugh Wynter Fertility Management Unit at the University Hospital of the West Indies, Mona.

As a result of prolonged laboratory closure, encompassing the entire period of review for this report, but for one week, only three specimens were accessioned, all of which were tissue samples related to a research project by the laboratory.

### **External Funding**

Dr. Tracey Gibson was awarded a capacity expansion grant by the Culture Health Art Sports and Education (CHASE) Fund, in the amount of J\$5 million. The grant was used to upgrade karyotyping software in the lab and purchase probes for fluorescence *in situ* hybridization (FISH).

### **Cytogenetics Laboratory Staff Complement**

Full-time:           1 pathologist/Cytogenetics Analyst  
                          1 Laboratory Technician

Part-time:           1 Cytogenetics Analyst (as of July 24, 2017)

The full-time post of Laboratory Manager also exists, but is currently not functional, as the employed individual remains absent from her post.

### **Research**

Ms. Sashane McLean, who is pursuing the degree of Master of Science in Biomedical Research at the University of the West Indies, Mona is

currently undertaking a Cytogenetic research project, in partial fulfillment of her degree. This project has received ethical approval, and is being hosted by the Cytogenetics Laboratory, where she is supervised by staff from the laboratory and by consultant Anatomical pathology staff.

### **Future Goals**

- Stabilization of staff infrastructure, particularly the post of Laboratory Manager
- Re-establishment of FISH testing and accessioning of oncology samples
- Formal training of the current Laboratory Technician, so that she can be employed as a Cytogenetics Technologist. This will require overseas training, and therefore, funding will be required.

## **INITIATIVES/ACTIVITIES**

### **HTLV-1 Project**

This project continues with participants being enrolled in various treatment trials at the NIH with local follow up and care as required. The contract has been renewed for another year.

### **Haemophilia Research**

The NNHF project has come to an end. At the moment a research paper is in draft form for publication. Testing and diagnosis of bleeding disorders continue. There is the possibility of getting an extension.

The World Federation of Haemophilia (WFH) continues to supply clotting factor concentrates to our patients. The enrolment of our patients in their registry continues after the pilot project. Members of staff have been invited to and have attended various workshops to assist with advocacy training. There is an invitation to be part of a Twinning project with Montreal.

### **Sick Kids – Caribbean Collaboration**

This project has been picked up for another 4 years and the funding is in place to continue this collaboration. Members have been involved in attending the telemedicine sessions and we continue to collaborate on the registry for children with cancer. Case conferences also continue and consultations on laboratory and patient care continue.

### **RESEARCH FELLOWSHIP**

#### **Forensic Pathology Fellowship**

- Two new DM Pathology 2015 graduates, Dr. Trudy-Ann Brown and Dr. Natasha Richards were awarded The G Raymond Chang Forensic Pathology Fellowship and have now completed the fellowship training with Dr. Richards going on to further specialization in cardiovascular pathology.
- Increasing numbers of undergraduate medical students are now pursuing elective rotations in forensic pathology with joint placement at the Institute for Forensic Science and Legal Medicine.
- Forensic pathology capacity development in Jamaica: Meetings with UWI Stakeholders, along with Mr. Andrew Chang, G. Raymond Chang Foundation and Professor Michael S. Pollanen MD PhD, Department of Laboratory Medicine and Pathobiology (LMP), November 18–25, 2016.

### **PAPERS PRESENTED AT CONFERENCES AND SEMINARS**

#### **Poster Presentations**

- K Foster, N Younger-Coleman, W Aiken, **D, Brady-West**, R Delgoda. “Prevalence of Medicinal Plant use by Cancer patients in Jamaica”. Faculty of Medical Sciences Research Day, UHWI, Kingston, Jamaica, November 2016.

- **D. Brady-West**, “Right ventricular heart Strain on CT Pulmonary Angiography in Pulmonary Embolism” Faculty of Medical Sciences Research Day, UHWI, Kingston, Jamaica, November 2016.
- **KA West, D Brady-West**, “Clinical outcomes of Severe Aplastic Anemia in Jamaican Patients” Faculty of Medical Sciences Research Day, UHWI, Kingston Jamaica.

### **Presentations**

- **Williams NP**, “Colon Cancer Development: From Polyps to Cancer”, Jamaica Cancer Society/Association of West Indian Gastroenterologist Colon Cancer Symposium, Jamaica Pegasus Hotel, Kingston, Jamaica, March 2017.
- **Williams NP**, “Cases that make the Pathologist go Hmmm”, Association of West Indian Gastroenterologists, Thirtieth Annual meeting and International Postgraduate course 2017, Radisson Grenada Beach, Grenada, April 2017.
- Shirley R, Rattray C, Mambury I, **McGrowder D**, Morgan O, Richards U. “Postnatal assessment of the components of Metabolic Syndrome: a study in patients previously diagnosed with pregnancy-induced hypertension and gestational diabetes at the University Hospital of the West Indies and Victoria Jubilee Hospital”. Faculty of Medical Sciences – 25th Annual Research Conference, UHWI, Kingston, Jamaica, November 2016.
- **Lowe D**. “Results from UHWI Registry for Persons with Haemophilia in Jamaica”, SickKids-Novonordisk-UWI Haemophilia Symposium, Faculty of Medical Sciences, September 2016.
- **Lowe D**. “Her-2 Positive Breast Cancer – Overcoming Hurdles to Treatment”, Annual Breast Cancer Symposium (Jamaica Cancer Society), Knutsford Court Hotel, Kingston, Jamaica, October 2016.
- **Lowe D**. “Bleeding in Women”, World Haemophilia Day Symposium, University of the West Indies, Mona, Kingston, Jamaica, April 2017.
- **Chin S**. “Cancer Research in Jamaica”, Emerging Issues in Cancer and Research: Translational Challenges in the Jamaican Context

(Harvard/MGH Center on Genomics, Vulnerable Populations, and Health Disparities & The University of the West Indies, Mona, Jamaica), Faculty of Medical Sciences Teaching and Research Complex, The University of the West Indies, Mona, Jamaica, December 2016.

- **Geelal, M, Bishop K.** “Perinatal Pathology Report January–December 2016”, Annual Perinatal Conference, Departments of Obstetrics & Gynaecology and Child Health, Faculty of Medical Sciences, UWI, Mona, February 2017.
- **Bishop K,** “Perinatal Pathology Report January–December 2016: Analysis of Data”, Annual Perinatal Conference, Departments of Obstetrics & Gynaecology and Child Health, Faculty of Medical Sciences, UWI, Mona, February 2017.

## PUBLICATIONS

### Books & Monographs

- **Dilworth L,** Riley C and Stennett D “Plant Constituents: Carbohydrates, oils resins, Balsams and plant hormones”. In Badal S and Delgoda R (ed) *Pharmacognosy: Fundamentals, Applications and Strategy*. Elsevier: 2016, 61–76.
- **Hanchard B, Gibson TN, Bishop KL, McNaughton D, Waugh N.** “Incidence of Childhood Cancer: Jamaica, 1983–2007” International Agency for Research on Cancer (IARC), World Health Organisation (WHO), for publication in *Incidence of Childhood Cancer*, Vol 3 Ed. by P. Hesselting, F Moreno, L Gloeckler Ries, H Young Shin, C Stiller, E Steliarova-Foucher.

## REFEREED JOURNAL ARTICLES

- **Gibson TN, McNaughton DP, Hanchard B.** “Sinonasal malignancies: incidence and histological distribution in Jamaica, 1973–2007. *Cancer Causes Control* 2017. E-published ahead of print: <http://link.springer.com/article/10.1007/s10552-017-0916-9>
- Gardner N, Luke K, Wheatley W, De La Haye, P, Bahado-Sing L,

- Dilworth L, McGrowder D**, et al. "Plasma cocaine metabolite and liver CYP450 3A4 isoenzyme levels as indicators of cocaine dependence in rats treated with nutritional supplements". *International Journal of Measurement Technologies and Instrumentation Engineering* 2015; 5(2): 28–43.
- Tapper M, **Thompson R, Dilworth L, McGrowder D**. "Chemical composition of urinary tract calculi assessed by a basic method. *Indian Journal of Applied Research* 2017; 7(7):537-539.
  - **Buchner-Daley L, Brady-West D, McGrowder D**, Clark J. "Hypereosinophilic syndrome: A report of two cases and review of the literature". *The Southeast Asian Journal of Case Report and Review* 2016; 5(6): 2547-2551.
  - Learner-Ellis J, Doneney T, Ahmed H, George S, **Wharfe G, Chin S, Lowe D**, Royer R, Zhang, Narod S, Hurley J, MRAkbari. "A High Frequency of PALB2 Mutations in Jamaican Patients with Breast Cancer" *Breast Cancer Res Treat* 2017Apr; 162(3):591-596. Doi:10.1007/s10549-017-4148-1.Epub 2017Feb1 (IF-4.085)
  - Foster, SR, Omouruyi FO, Bustamante J, Lindo RLA, **Dilworth LL**. (2016) "The effect of combined inositol hexakisphosphate and inositol supplement in streptozotocin-induced type 2 diabetic rats". *International Journal of Experimental Pathology*, 97:397-407 doi:10.1111/iep.12210.
  - Facey A, **Dilworth L**, Irving R (2017) "A Review of the Leptin Hormone and the Association with Obesity and Diabetes Mellitus". *Journal of Diabetes and Metabolism* 8:727.doi:10.4172/2155-6156.1000727.
  - Aldeam Facey, **Lowell Dilworth**, Rosemarie Wright-Pascoe, Melissa Walker, Rachel Irving. "Association of Serum Lactate Dehydrogenase, Creatinine Kinase and Adiposity with Basal lactate Concentration in Male and Female Jamaican Athletes". *International Journal of Sports Science*. 2017; 7(2):94-98. Doi:10.5923/j.sports.20170702.11.
  - Aldeam Facey, **Lowell Dilworth**, Rosemarie Wright-Pascoe, Melissa Walker, Rachael Irving. "The metabolic Hormones Leptin, Adiponectin and troponin T in Type 2 Diabetes Patients and Athletes in Jamaica".

*International Journal of Diabetes Research*, Vol 6 No 2, 2017, pp. 35–40. Doi:1-.5923/j.diabetes.20170602.01.

- Shadae R Foster, **Lowell L Dilworth, Rory Thompson**, Ruby L Lindo and Felix O Omoruyi (2017) “Effects of combined inositol hexakisphosphate and inositol supplement on antioxidant activity and metabolic enzymes in the liver of streptozotocin-induced type 2 diabetic rats”. *Chemico-Biological Interactions*, pp. 108–115. doi 10.1016/j.cbi.2017.07.024
- **Marlene Tapper, Rory Thompson, Lowell Dilworth, Donovan McGrowder** (2017) “Chemical Composition of Urinary Tract Calculi Assessed by a Basic Method”. *Indian Journal of Applied Research*. Volume 7: Volume 7, Issue 7 July 2017
- Nwokocha C, Palacios J, Simirgiotis MJ, Thomas J, Nwokocha M, Young L, **Thompson R**, Cifuentes F, Paredes A, Delgoda R. “Aqueous extract from leaf of *Artocarpus altilis* provides cardio-protection from isoproterenol induced myocardial damage in rats: Negative chronotropic and inotropic effects. *J Ethnopharmacol*. 2017 May 5;203:163–170. Doi 10.1016/j.jep.2017.03.037. Epub 2017 Mar 22.
- Belza C, **Thompson R**, Somers GR, de Silva N, Fitzgerald K, Steinberg K, Courtney-Martin G, Wales PW, Avitzur Y. “Persistence of hepatic fibrosis in pediatric intestinal failure patients treated with intravenous fish oil lipid emulsion”. *J Pediatr Surg*. 2017 May;52(5):795-801. doi:10.1016/j.jpedsurg.2017.01.048. Epub 2017 Jan 30

## **PUBLIC SERVICE**

### **Dr. D. McGrowder**

- Member, Accreditation Evaluation Committee, Jamaica National Agency for Accreditation (JANAAC)

### **Professor B. Hanchard**

- Cytopathology Consultant, Jamaica Cancer Society

### **C. Escoffery**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr K Bishop**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. S. Shirley**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. M Bromfield**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. T. Gibson**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. L Dilworth**

- Board Member, North Eastern Health Regional Authority
- Board Member, University Council of Jamaica
- Board Member, The Council of Community Colleges of Jamaica
- Board Member, The Rural Agricultural Development Authority

**Dr. N. Williams**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. J. Jaggon**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. S. Chin**

- Member, Oncology Advisory Board, National Health Fund, Jamaica

**Dr. D. Lowe**

- Clinical Advocate, Jamaica Haemophilia Society
- Volunteer Clinician, National Blood Transfusion Service

**Dr. G. Wharfe**

- Chair, Haemophilia Society of Jamaica
- Member, Oncology Advisory Board, National Health Fund Jamaica

## **INCOME GENERATION**

- Capacity expansion of the Cytogenetics Laboratory  
Funding source: Culture Health Arts Sports and Education (CHASE) Fund  
  
Date of Award: November 2016  
  
Total value: J\$5 million

## **DISTINGUISHED VISITORS TO THE DEPARTMENT**

- Dr. Andrew Evans, Department of Pathology, University Health Network, Toronto, Canada
- Dr. Stephen Morley, Toxicology Unit, Department of Clinical Chemistry, Leicester, UK
- Dr. Matthias Klammer, Consultant Haematologist/Bone Marrow Transplantation St. George's University Hospital, London

## **AWARDS**

### **Students – Undergraduate**

- Kereene Francis – Pathology/Microbiology Medal (Best Overall Performance)
- Dominic Landell – S.E.H. Brooks Book Prize (Best Overall Performance in Anatomical Pathology)

## DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE



**Professor Newton Duncan, MBBS, DM (General Surgery), FACS**  
**Head of Department**

### **WORK IN THE DEPARTMENT**

The Department of Surgery, Radiology, Anaesthesia and Intensive Care is the largest clinical department in the Faculty of Medical Sciences. During the year under review over 1,500 undergraduates and post graduates rotated through our Department. This number includes elective students from the United Kingdom, Canada, Germany, Africa and the Caribbean. The Doctor of Medicine postgraduate training programmes had an increase in enrolment with Plastic Surgery entering its second year and accepting three trainees to have a total enrolment of six Residents. An average of three to four new residents were accepted to the following programmes: General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology, Otorhinolaryngology, Radiology, Anaesthesia and Emergency Medicine.

A recent expansion of undergraduate teaching to include Savanna-La Mar Hospital became necessary with the scaling down of teaching at Cornwall Regional Hospital. An increased number of undergraduate students had to rotate through Kingston Public Hospital, St Ann's Bay Hospital, May Pen Hospital, Spanish Town Hospital and Mandeville Regional Hospital. All sites had assessments by the Accreditation Committee of the Faculty of Medical Sciences which sought to ensure similarity in the educational experience across all training sites. In addition, lecturers from the Mona campus visited non-UHWI teaching sites regularly with a view to ensuring harmonization of teaching topics and methodology.

The Department hosted in July 2017, the 16th JMMB Group and Joan Duncan Foundation sponsored, William Dennis Memorial Lecture. The lecture chaired by Professor Barrie Hanchard, was delivered by The Hon. Denise Eldemire-Shearer, Professor, Public Health & Ageing, UWI, Mona. Her lecture entitled, "Ageing – Implications for Tomorrow's Health", was a resounding success.

The 15th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in January 2017 at the Montego Bay Convention Centre. The theme was: "The Evolution of a Patient, from Presentation to Definitive Care". The Symposium was organised and hosted by the Caribbean Neurological Association along with the Department of Surgery, Radiology, Anaesthesia and Intensive Care and the Division of Neurosurgery at the University Hospital of the West Indies.

The Fellowship in Critical Care offered by the Section of Anaesthesia had its first graduate in 2017. This fellowship is a post DM training programme which admits graduates from the DM Anaesthesia, Internal Medicine or Surgery programmes to study critical care interventions at the Intensive Care Unit of the University Hospital of the West Indies.

The Section of Ophthalmology commenced diabetic retinal screening in conjunction with Moorefield /Homerton NHS Trust. This division under the leadership of Dr Lizette Mowatt has been charged to train personnel in diabetic retinopathy screening throughout the Ministry of

Health hospitals. The Ophthalmology division also received a state of the art laser from the Latter Day Saints Charities of The Mormon Church.

## DEPARTMENTAL STAFF MOVEMENTS

Dr. Allie Martin resigned during the period. Three new staff were appointed as follows: Dr Leo-Paul Powell, Lecturer in Surgery, Dr. Sunil Stephenson, Cardiothoracic Surgery, Dr Paula Dawson, Lecturer and Consultant in Physical Medicine and Rehabilitation

Dr. Hugh Ashman and Dr. William Aiken were promoted on tenure; and Dr. Peter Johnson was promoted to Senior Lecturer

## Employee Developments

Recent Lecturer appointees are encouraged to attain higher degrees such as the MSc Epidemiology and PhD degrees through TMRI. To date three lecturers, Dr. Leo-Paul Powell, Dr. Patrick Roberts and Dr. Wayne Palmer have achieved the MSc Epidemiology degrees and Dr Belinda Morrison is currently a PhD candidate in epidemiology at the Tropical Metabolism Research Institute at the University of the West Indies.

The Department maintains three Academic Research Registries:

1. **The Trauma Registry** – Has over 19,574 records which continue to provide ample research material for injury related studies.
2. **The Intracranial Tumour Registry** – Based in the Section of Surgery's Research Office is constituted of over 1056 patient records, utilising the software CNExT. This project is a collaborative effort between the UHWI Neurosurgery Service in the Section of Surgery and the Sections of Radiology and Histopathology, UHWI Mona. Its aim is to create a radio-clinico-pathological database of intracranial tumours.
3. **The Colorectal Cancer Registry** – This registry maintains a data base on all cases of colorectal cancer sourced from major health facilities across Jamaica. To date over 1,381 cases have been recorded since its inception in January 2011. This data allows for evidence-based research in the diagnosis and treatment of colon cancer.

## PAPERS PRESENTED

### Major conferences/seminars

- **B Morrison** “Adverse pathology at radical prostatectomy in low risk prostate cancer”. Caribbean Urological Association Annual meeting- Jamaica Pegasus Hotel, Kingston, November 6, 2016
- **B Morrison** “Prostate Cancer Screening in Jamaica” Global Sciences of Prostate Cancer Disparities, Orlando, Florida, November 9–12, 2016
- **B Morrison** “Prostate Cancer Screening in Jamaica: Results of the Largest National Screening Clinic” Ministry of Health: 7th Annual National Health Research Conference
- **Belinda F Morrison**, Gareth Reid, Richard Mayhew, William D Aiken, Barrie Hanchard “Pathological upstaging and upgrading at radical prostatectomy in Jamaican men with low risk prostate cancer” American Urological Association, Boston, May 14, 2017
- **Belinda F Morrison**, Gareth Reid, Richard Mayhew, William D Aiken, Barrie Hanchard “Pathological upstaging and upgrading at radical prostatectomy in Jamaican men with low risk prostate cancer” Pan African Urological Association/Caribbean Urological Association meeting at the American Urological Association, Boston, May 15, 2017
- **Belinda F Morrison**, Gareth Reid, Richard Mayhew, William D Aiken, Barrie Hanchard “Pathological upstaging and upgrading at radical prostatectomy in Jamaican men with low risk prostate cancer” Caribbean College of Surgeons, Montego Bay, Jamaica, June 16, 2017
- **B Morrison** “The Who, what and why of prostate cancer in Jamaica” Jamaica Cancer Society Annual Prostate Cancer Public Forum- Jamaica Pegasus Hotel, September 11, 2016
- **B Morrison** “Erectile Dysfunction and Diabetes Mellitus in Jamaican males Pfizer CME meeting, Jamaica Pegasus Hotel, September 22, 2016

- **B Morrison** “Benign Prostatic Hyperplasia in Jamaica” Societe Internationale d’ Urologie Hilton Hotel, Buenos Aires, Argentina, October 19–22, 2016
- **B Morrison** “Clinical heterogeneity of prostate cancer in Jamaican men” Caribbean Association of Neurosurgeons (CANS), January 29, 2017
- **B Morrison** “Male Infertility in Sickle cell disease”Jamaica Urological Society Annual Symposium, March 5, 2017
- **B Morrison** “Erectile dysfunction: Diagnosis and treatment”University of Technology Public Health Year 1 Students, April 12, 2017
- **B Morrison** “Vasculopathy and genito-urinary manifestations in men with sickle cell disease” Caribbean Institute for Health Research Seminar. June 12, 2017
- **B Morrison** “Am I a survivorship? Perspectives on the definition of cancer survivorship?” Cancer Support Services Conference, Barbados, June 24, 2017
- **MEC McFarlane** “Management and investigation of benign breast disease” . Presented at the Gynaecology & Women’s Health Workshop, The Association of General Practitioners of Jamaica, Annual Clinical Conference, Jamaica, July 9, 2017
- **S. French** Focused Assessment with Sonography in Trauma (FAST): The Medical Association of Jamaica Conference Jamaica Pegasus June 2017
- **Romayne Edwards** Pulmonary Embolism JEMA Conference Jamaica Pegasus, March 2017
- **Celeste Maycock** Acute Tears when every second counts-JEMA Conference Jamaica Pegasus, March 2017
- **Vaughan K.** “Twenty years of Slipped Upper Femoral Epiphysis: What have we learnt?” Caribbean Association of Orthopaedic Surgeons. Nassau Bahamas, October 2016
- **Palmer W.** “Effect of Lower Limb injuries on admissions from Road Traffic Accidents.” Jamaican Orthopaedic Association 22nd Annual Symposium. Kingston Jamaica, February 2017

- **Ameerally A.** “Principles of total Joint Arthroplasty.” Jamaican Orthopaedic Association 22nd Annual Symposium. Kingston Jamaica, February 2017
- **Mansingh A.** “Sports Related Trauma Injuries”. Medical Association of Jamaica Annual Symposium, Kingston Jamaica, June 2017
- **Mansingh A.** “Anti Doping” ICC presentation to West Indies Women’s Team. Barbados, May 2017
- **Lizette Mowatt.** Fundoscopy for the Internist. Review of Internal Medicine: Department of Medicine, FMS retreat – Main Medical Lecture theatre, July 2, 2017
- **Lizette Mowatt.** Ocular Trauma at the UHWI (Adults & Paeds). Medical Association of Jamaica (MAJ) Symposium, Jamaica Pegasus, June 2017
- **Lizette Mowatt .** Ocular Trauma in Children Paediatric Association of Jamaica (PAJ) (21st Biennial International Paed Conference) FMS, UWI, April 29, 2017
- **Lizette Mowatt.** Diabetic Retinopathy: Journey from vision to blindness – can we prevent it? Ophthalmological Society of Jamaica (OSJ) – (7th Annual Conference) Jamaica Pegasus, March 19, 2017
- **Lizette Mowatt.** Micropulse Laser treatment in diabetic macula oedema. Ophthalmological Society of Jamaica (OSJ) (7th Annual Conference) Jamaica Pegasus, March 19, 2017
- **Lizette Mowatt.** Diabetes – the journey from vision to blindness. Caribbean Neurological Association (CANS) (15th Annual Conference), Montego Bay Convention Center, January 28, 2017
- **Donovan Calder.** Eye Trauma. Association of General Practitioners of Jamaica (AGPJ), Ophthalmology Workshop, Alhambra Inn, January 15, 2017
- **Lizette Mowatt.** Diabetic Retinopathy Screening. Ophthalmology Symposium by the Ophthalmological Society of Jamaica (OSJ), World Sight Day, Main Medical Lecture Theatre, November 27, 2016
- **Lizette Mowatt.** The Burden of Diabetic Retinopathy at the UHWI.

The MOH National Research Health Conference, Jamaica Conference Centre, Downtown, Jamaica, November 25, 2016

- **Lizette Mowatt**, A. Mc Donald and D Ferron Boothe. Paediatric Ocular admission trauma cases at the UHWI. The MOH National Research Health Conference, Jamaica Conference Centre , Downtown, Jamaica, November 25, 2016
- **Lizette Mowatt**. A Mc Donald and D Ferron Boothe. Adult Ocular admission trauma cases at the UHWI. The MOH National Research Health Conference, Jamaica Conference Centre, Jamaica, November 25, 2016

## POSTER PRESENTATIONS

- Ajanaku D, Knight-Madden J, **Mowatt L**. Knowledge, beliefs and practices regarding sickle cell eye disease of patients at the Sickle Cell Unit, University of the West Indies, Jamaica Royal College of Ophthalmologists, Liverpool Convention Centre, Liverpool, UK May 22–24, 2017
- Anderson K, **Mowatt L**. Incidence and Severity of ROP at the University Hospital of the West Indies. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Amarakoon S, **Mowatt L**. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Chin M, **Mowatt L**. The Accuracy, Quality and Timing of Referrals to the Ophthalmology Department at the University Hospital of the West Indies. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Jackson S, **Mowatt L**, Prevalence of Chlamydia Conjunctivitis in Jamaica. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Foster T, **Mowatt L**. Knowledge, beliefs, practices and QOL of

patients with Diabetic Retinopathy at UHWI. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016

- **Mowatt L**, Mitchell P, Peto T, Zondervan M. Diabetic Retinopathy Screening at the UHWI, Jamaica. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016
- Foster T, **Mowatt L**, Mullings J. Knowledge, beliefs and practices in Diabetic Patients at the UHWI, Jamaica. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016
- **Mowatt L**, Jackson S. Chlamydia prevalence in Jamaica. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016
- **Mowatt L**, Watkins M. Model for Developing a Successful Eye Care Team for the Caribbean. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016

## REFEREED JOURNAL ARTICLES

- CK Angus, CA Walters, NP Hart, **R. Edwards, E. Williams, J Williams Johnson**. “Determination of Factors that Affect Time to Hospital Presentation in Patients with symptoms suggestive of an acute myocardial Infarction”. *The West Indian Medical Journal*; 09/2016; DOI:10.7727/wimj.2016.41
- **Reid G, Williams EW**, Francis DK, Lee M. “Acute pancreatitis: A 7 year retrospective cohort study of the epidemiology, aetiology, and outcome from a tertiary hospital in Jamaica” *Annals of Medicine and Surgery*. Printed <https://doi.org/10.1016/j.amsu.2017.07.014>
- **B Morrison, W Palmer**, M Reid, St Juste. “Fractures in Jamaican males with prostate cancer: A retrospective case series”. *West Indian Medical Journal* e-Published: October 26, 2016.

- D Clarke, S Franklin, S Mullings, **K Vaughan**, K Jones. “Subtalar Dislocation: Case Series Inclusive of the Rare Anterior Subtalar Dislocation and Review of the Literature.” *West Indian Medical Journal* e-Published: June 9, 2017.
- Clarke DO, **Christmas MU, Vaughan KD**. “The Unusual Osteochondroma: A Case of Snapping Scapula Syndrome.” *Orthopaedics and Traumatology: Surgery and Research* 2017.
- Clarke D, **Neil I, Vaughan K**, Smith T. “Radiographic Recognition of Cervical Instability in Rheumatoid Arthritis.” *West Indian Medical Journal*. 2017
- **M Christmas**. “Conservative Management of the Bilateral Congenital Dislocation of the Knee: A Case Report.” *West Indian Medical Journal* Vol 66, Issue 2: 2017.
- D Martin, G Nelson, **A Mansingh**, N Wade. “The Effect of Kinesio Taping on Pain and Jump Performance in Club Volleyball Players with Patellar Tendinopathy in the Cayman Islands.” *West Indian Medical Journal* e-Published: August 12, 2016
- Orchard J, Ranson C, Olivier B, Dhillon M, Gray J, Langley B, **Mansingh A**, Moore I, Murphy I, Patricios J, Alwar T, Clark C, Harrop B, Khan H, Kountouris A, Macphail M, Mount S, Mupotaringa A, Newman D, O’Reilly K, Peirce N, Saleem S, Shackel D, Stretch R, Finch C. “International Consensus Statement on Injury Surveillance in Cricket: a 2016 update.” *Br. J. Sports Med* 2016 50:20 1227
- **Leake PA, Toppin PJ**, Reid M, **Plummer JM, Roberts PO, Harding-Goldson H, McFarlane ME**. “Local Anesthesia Versus Local Anesthesia and Conscious Sedation for Inguinal Hernioplasty: Protocol of a Randomized Controlled Trial”. *JMIR Res Protoc*. 2017 Feb 7;6(2):e20. doi: 10.2196/resprot.6754.
- Massimo Sartelli, Alain Chichom-Mefire , Francesco M. Labricciosa, Timothy Hardcastle, Fikri M. Abu-Zidan, Abdurashid K. Adesunkanmi, Luca Ansaloni, Miklosh Bala, Zsolt J. Balogh, Marcelo A. Beltrán, Offir Ben-Ishay, Walter L. Biffi, Arianna Birindelli, Miguel A. Cainzos, Gianbattista Catalini, Marco Ceresoli, Asri Che Jusoh, Osvaldo Chiara, Federico Coccolini, Raul Coimbra, Francesco Cortese, Zaza

Demetrashvili, Salomone Di Saverio, Jose J. Diaz, Valery N. Egiev, Paula Ferrada, Gustavo P. Fraga, Wagih M. Ghnnam, Jae Gil Lee, Carlos A. Gomes, Andreas Hecker, Torsten Herzog, Jae Il Kim, Kenji Inaba, Arda Isik, Aleksandar Karamarkovic, Jeffry Kashuk, Vladimir Khokha, Andrew W. Kirkpatrick, Yoram Kluger, Kaoru Koike, Victor Y. Kong, Ari Leppaniemi, Gustavo M. Machain, Ronald V. Maier, Sanjay Marwah, **Michael E. McFarlane**, Giulia Montori, Ernest E. Moore, Ionut Negoii, Iyiade Olaoye, Abdelkarim H. Omari, Carlos A. Ordonez, Bruno M. Pereira, Gerson A. Pereira Júnior, Guntars Pupelis, Tarcisio Reis, Boris Sakakhushev, Norio Sato, Helmut A. Segovia Lohse, Vishal G. Shelat, Kjetil Søreide, Waldemar Uhl, Jan Ulrych, Harry Van Goor, George C. Velmahos, Kuo-Ching Yuan, Imtiaz Wani, Dieter G. Weber, Sanoop K. Zachariah and Fausto Catena “The management of intra-abdominal infections from a global perspective: 2017 WSES guidelines for management of intra-abdominal infections” *World J of Emerg Surg* 2017;12: 29 DOI: 10.1186/s13017-017-0141-6

- **Morrison BF**, White-Gittens I, Smith S, St John S, Bent R, Dixon R. Evaluation of sexual and fertility dysfunction in spinal cord-injured men in Jamaica. *Spinal Cord Ser Cases*. 2017 May 25;3:17026.
- **Morrison BF, Aiken WD, Mayhew R**, Gordon Y, Odedina FT. Prostate Cancer Knowledge, Prevention, and Screening Behaviors in Jamaican Men. *J Cancer Educ*. 2017 Jun;32(2):352-356.
- **MV Vincent, SE Dundas Byles, ND Duncan**, “Risk Factors and Prevention of Paediatric Burns in Jamaica” *West Indian Medical Journal*, Vol 66 Issue 1: 2017

## ABSTRACT

- “Elevated Blood Pressure in Jamaican Patients: An evaluation in the emergency department at the University Hospital of the West Indies.” T Wilson, M Gossell-Williams, G Gordon Strachan, **S Dasgupta, E Williams**, R Wilks, EM Goldberg, P Levy, **J Williams-Johnson**. *West Ind Med J* November 2016 65 (S6) :47

## **DONATIONS**

Division of Ophthalmology received a laser from the (Latter Day Saints Charities) Mormon Church

## **HONOURS AND AWARDS**

### **Order of Distinction in the Rank of Commander**

#### **Dr. Kenneth Vaughan, CD**

- For Excellence in Orthopaedic Surgery and Voluntary Community Service throughout the Caribbean

### **Order of Distinction in the Rank of Officer**

#### **Dr. Ian Titus, OD**

- For Outstanding Contribution to Medicine

## **PUBLIC SERVICE**

### **Professor Newton Duncan**

- Member of the Board of Family Life Ministries, Jamaica

### **Professor Michael McFarlane**

- Examiner, Caribbean Medical Council Examinations
- Honorary Consultant, Jamaica Cancer Society
- Member of the Board, Jamaica Cancer Society
- President, American College of Surgeons (Jamaica Chapter)
- Governor, American College of Surgeons (Jamaica Chapter)

### **Dr. Romaine Edwards**

- Assistant Honorary Secretary of the Medical Association of Jamaica (MAJ)

**Dr. Simone French**

- Consultancy with PAHO/MOH for ESI training and implementation island wide. Training conducted with Dr. Paula Tanabe of Duke University
- Member executive National Resuscitation Council of Jamaica
- President, Jamaica Emergency Medicine Association

**Dr. Celeste Maycock**

- Immediate Past President of the Jamaica Emergency Medicine Association

**Dr. Rhonda Hutson**

- Member executive the Jamaica Association of Sports Medicine (JASM)

**Dr. Praimanand Singh**

- President ,Jamaica Association of Sports Medicine (JASM)
- Member, Jamaica National Council on Sports
- Member Board of the Jamaica Olympic Association

**Dr. Eric Williams**

- Dr. Eric Williams-Voluntary service to the National Children's Home

**Dr. Jean Williams Johnson**

- Member executive Caribbean Poison Information Centre (CARPIN)
- Member executive Jamaica Association of Sports Medicine (JASM)
- Member executive National Resuscitation Council of Jamaica

## THE UWI SCHOOL OF NURSING (UWISON), MONA



Dr. Steve Weaver, RN, Cert. of Nursing Ed., BScN, MPH, PhD  
Head of School

### WORK OF THE SCHOOL

The academic year 2016/2017 was highlighted by a number of accomplishments that allowed the School to strengthen its identity and image as a leader in the Caribbean region in delivering undergraduate and postgraduate evidence-based nursing education which reflects international standards. Madeline Naegle, Professor – New York University, Rory Meyers College of Nursing and Director, WHO/PAHO Collaborating Center for Geriatric Nursing Education visited the School, March 24–30, 2017. Professor Naegle is known nationally and internationally for mental health/substance abuse education, research, practice and leadership in geriatric nursing education. The main purposes for the visit were to: raise awareness of the health implications of excess alcohol use; highlight

alcohol use as a risk factor for non-communicable disease, increasing the vulnerability of older adults; and encourage interest on the parts of health professionals in policies and interventions to reduce alcohol-related harm in Jamaica. During the visit, Professor Naegle met with Stakeholders within the University and the Jamaican health systems. She conducted a seminar on the topic, “Addressing Critical Gaps in Evidence on Alcohol Related Harm as well as a workshop entitled “Applying Evidence-Based Approaches for Alcohol Related Harm Reduction. The Syringa Marshall-Burnett Lecture was held on May 24, 2017 in memory of the late Mrs. Syringa Marshall-Burnett for her outstanding contribution to the nursing profession; the Keynote Speaker was Dr. Adella Campbell. The School hosted the 27th Annual Nursing and Midwifery Research Conference and 28th Mary J. Seiwright Day on May 25–26, 2017, under the theme “*Transforming Nursing and Midwifery Education and Practice by linking Evidence to Action.*” The Keynote Speaker was Professor Bernadette Mazurek Melnyk – Dean of the College of Nursing at Ohio State University.

Mrs. Nester Edwards, Chief Nursing Officer, Ministry of Health, Social Security and International Business in Grenada was the Speaker for the Annual Mary J Seiwright Day Lecture. There were approximately 220 attendees, which included health care professionals and students from across the region, as well as the United States of America, Canada and Brazil. The Research Conference featured a total of eighteen (18) Scientific Presentations from nursing professionals, graduate and undergraduate students.

The Annual Research Internship for health researchers was held during the period, May 29–June 23, 2017. There were fourteen (14) participants; two of whom were from Trinidad and one from Brazil, all other participants were Jamaicans. The main objectives of the Internship were to: acquire knowledge and skills in health systems research; examine multiple intervention programme design and evaluation issues in health systems; acquire knowledge and skills essential for competitive grantsmanship; and extend repertoire of cutting edge research designs and approaches to health systems. International presenters included: Professor Nancy

Edwards, University of Ottawa and Drs. Carol Boyd and Leah Shever, University of Michigan.

Dr. Steve Weaver represented The University of the West Indies at the 45th Joint Meeting of the Executive and Education Committees and the 14th Meeting of the Practice Committee of the Regional Nursing Body held in Georgetown, Guyana, February 28–March 2, 2017.

Drs. Steve Weaver and Eulalia Kahwa represented the School at the Pan American Network of Nursing and Midwifery Collaborating Center (PANMCC) Washington DC, October 2016, where Dr. Eulalia Kahwa is Chair (Elect) of the PANMCC, a network of WHO Nursing and Midwifery Collaborating Centers in the United States of America, Canada, Latin America and the Caribbean. Mrs. Cynthia Pitter was elected as Vice President of the Caribbean Regional Midwives Association. Dr. Steve Weaver accepted an invitation from the Pan American Health Organization to attend a meeting on “Inter-professional Education in Healthcare: Improving Human Resource Capacity to Achieve Universal health”, Bogota, Columbia, December 2016.

A proposal to establish the Global Health Initiative at Henry Ford Health System in Detroit, Michigan has been developed. The goal is to create a nursing exchange programme which fosters leadership, education and research to build capacity and improve health in Jamaica and in Detroit. In an effort to improve and maintain academic quality of the BScN programme, courses were re-sequenced to include the summer period and to ensure quality and best fit and as recommended by the Nursing Council of Jamaica. The MScN programme is undergoing a process of review and will be completely revamped when the process is completed. Funding has been made available for staff exchange to Birmingham City University, which will provide international professional development opportunities for full-time staff. The School in collaboration with midwifery educators from the Kingston Public Hospital conducted two Respectful Maternity Care workshops under the themes, “A conduit for achieving the maternal health SDGs in Jamaica” and “Midwives do care” – these were facilitated by Mrs. Cynthia Pitter. The Caribbean Honour Society of Nursing, under the leadership of President Pauline

Anderson Johnson and Vice-President Sheryl Garriques Lloyd, held their Induction Ceremony and Luncheon for members at the Hotel Four Season, July 2017. Dr. Damian Graham, Chief Executive Officer, Urban Development Corporation addressed the function on the topic, “Leadership in the 21st Century”; twenty-three (23) members were inducted. The Caribbean Honour Society of Nursing in partnership with UWISON held its Annual Health Fair for grade one students of the Mona Heights Primary as well as students from the Randolph Lopez School of Hope. Activities included medical examinations, blood pressure checks, eye testing and health talks.

## **EXTERNAL COLLABORATORS**

### **Institute for the International Education of Students**

Faculty members and students from the Institute for the International Education of Students (IES) visited the School during to the periods, December 2016 and April 2017. This was an observational visit where they were placed at three health centres in Kingston and St. Andrew over the period of three (3) days.

### **Columbia University**

Students from Columbia University visited the School during the period, April 1–May 12, 2017, where they were engaged in an observational/clinical practicum course, which aimed to develop their knowledge and application of nursing practice in specific areas of interest.

### **Visitors to the School**

- David Bartholomew and faculty – Shearwater Health, Tennessee
- Cindy Cooke and Madrean Schober, American Association of Nurse Practitioners, Texas
- Hillary Hart and John Zeros, Henry Ford Health System, Michigan

## PAPERS PRESENTED

### Oral Presentations

- **Allen, C.**, Walker, M., Munroe, D., Stanley, S. & Cascoe, K. “Factors related to student-centred teaching methodology in an undergraduate nursing programme at two nursing institutions in Kingston, Jamaica.” The UWI School of Nursing’s Annual Nursing and Midwifery Research Conference, May, 2017.
- **Pitter, C.** & Dunn, L. “Pulling back the curtain on Domestic Violence in Jamaica”. The International Confederation of Midwives’ 31st Triennial Congress in Toronto, Canada, June 18–22, 2017.
- Grant-Richards, M., Pitter, C., Campbell, B., Edwards-Hamilton, A. “The Rebirth of homebirths in Jamaica.” 31st Triennial Congress in Toronto, Canada, June 18–22, 2017.
- **Walker, M.**, Allen, C., Munroe, D., Stanley, S. & Cascoe, K. “Factors related to student-centred teaching methodology in an undergraduate nursing programme at two nursing institutions in Kingston, Jamaica.” 28th International Nursing Research Congress in Dublin Ireland, July 27–31, 2017.

### Poster Presentations

- **Cascoe, K.**, Walker, M., Munroe, D., Stanley, S., Allen, C. & Stennett, R. “Transitioning experiences of new nurse faculty members at two schools of nursing in Jamaica: The role of mentorship”. Elsevier Nursing Education Conference in Las Vegas, March 2017.
- **Cascoe, K.**, Walker, M., Munroe, D., Stanley, S., Allen, C. & Stennett, R. “Transitioning experiences of new nurse faculty members at two schools of nursing in Jamaica: The role of mentorship.” The UWI School of Nursing’s Annual Nursing and Midwifery Research Conference, May, 2017.

## PUBLICATIONS

- Lawrence, E. S., Dawkins, P. E., & **Barton-Gooden, A.** (2016). Registered Nurses' Use of Physical Restraints on the Medical Floor in a Jamaican Hospital. *Journal of Nursing & Patient Care*, 01(02). doi:10.4172/2573-4571.1000108
- **Gordon Singh, S., & Aiken, J.** (2017). The effect of health literacy level on health outcomes in patients with diabetes at a type v health centre in Western Jamaica. *International Journal of Nursing Sciences*, 4(3), 266–270. doi:10.1016/j.ijnss.2017.06.004
- **Hewitt-Thompson, K., Rae, T., & Anderson-Johnson, P.** (2016). A Descriptive, Cross-Sectional Study Analyzing the Characteristics of an Effective Clinical Instructor: Perceptions of Baccalaureate Nursing Students. *International Journal of Nursing*, 3(2), 20–29. doi:10.15640/ijn.v3n2a3
- Edwards, N., Kaseje, D., **Kahwa, E.**, Klopper, H., Mill, J., Webber, J., Roelofs, S., Harrowing, J. (2016). The impact of leadership hubs on the uptake of evidence-informed nursing practices and workplace policies for HIV care: a quasi-experimental study in Jamaica, Kenya, Uganda and South Africa. *Implementation Science* 2016, 11:110.
- Edwards, N., **Kahwa, E.**, Hoogeveen, K. (2017). Results of an integrative analysis: A Call for Contextualizing HIV and AIDS Clinical Practice Guidelines to Support Evidence – Based Practice. *Worldviews on Evidence* – 2017; 00:0, 1–7. DOI: 10.1111/wvn.12247
- Matthews, L. M., **Rhoden-Salmon, D. D., Silvera, H., Waite, M. J., & Barton-Gooden, A.** (2016). A Survey of the Attitudes of Nurses towards Caring for the Mentally Ill at a Rural General Hospital. *Austin J Nurs Health Care*, 3(2). <http://austinpublishinggroup.com/nursing/fulltext/ursing-v3-id1034.php>
- Facey, A., Dilworth, L., Wright-Pascoe, R., **Walker, M.**, & Irving, R. (2017). The Metabolic Hormones Leptin, Adiponectin and Troponin T in Type 2 Diabetes Patients and Athletes in Jamaica. *International Journal of Diabetes Research*, 6(2), 35–40. doi:10.5923/j.diabetes.20170602.01 <http://onlinelibrary.wiley.com/doi/10.1111/wvn.12247/epdf>

## Editorials

- **Cascoe, K., Stanley, S., Stennett, R., & Allen, C.** (2017, May). Undergraduate nursing students at risk of failure [Editorial]. *Nurse Education Today*, 52, 121–122. <https://doi.org/10.1016/j.nedt.2016.12.021>.
- **Letter to the Editor**
- **Emanuel-Frith, M. N.** (2017, April 09). Re: Government's childhood obesity plan does not go far enough, say MPs [Editorial]. *BMJ* 2017; 357:j2234. <http://www.bmj.com/content/356/bmj.j1556/rr-0>
- **Garriques-Lloyd, S. N.** (2017, March 04). Re: Self harm and the emergency department [Editorial]. *BMJ* 2016; 353:i1150. <http://www.bmj.com/content/353/bmj.i1150/rapid-responses>
- **Leslie, K. RM.** (2017, May 25). Re: Critical thinking in healthcare and education [Editorial]. *BMJ* 2017; 357:j2234.<http://www.bmj.com/content/357/bmj.j2234/rr-2>

## Commentary/Short Communication

- **Allen, C., Stanley, S., Cascoe, K., & Stennett, R.** (2017). Academic Dishonesty among Undergraduate Nursing Students. *International Archives of Nursing and Health Care*, 3(3). doi:10.23937/2469-5823/1510074.
- **Barton-Gooden, A., & Leger, R. R.** (2016). Dialogue for Quality Improvement and “Just Culture”. *Advanced Practices in Nursing*, 1(4). doi: 10.4172/2573-0347.1000127

## INCOME GENERATION

### Research Grant

- **Lisa Lewis, Eulalia Kahwa, Veronica Waugh-Brown.** The University of the West Indies and University of Pennsylvania Schools of Nursing Partnership for Hypertension Control in Jamaica (University of Pennsylvania) US\$29,272.00.

## **PUBLIC SERVICE**

### **Anderson-Johnson, P.**

- President, Caribbean Honour Society of Nursing

### **Brown-Dennis, A.**

- Secretary, Lay Magistrates Association of Jamaica – Kingston Chapter

### **Garriques-Lloyd, S.**

- Vice President, Caribbean Honour Society of Nursing

### **Pitter, C.**

- Member, Caribbean Regional Midwives' Association; Member, Jamaica Midwives' Association (Midwifery Educator), Member, Jamaica Family Planning Association Board, Member of the Board, The Nursing Council of Jamaica

### **Dover-Roberts, D.**

- Chairman for an Advisory Committee at a home for the aged in the Richmond Park district.

### **Weaver, S.**

- Member of the Lions Club.

### **Wright-Myrie, D.**

- Advisor to the National Police Youth Club Council and Community Safety and Security Branch of the Jamaica Constabulary Force;
- Women's Centre of Jamaica.

**STUDENTS***Undergraduate Students:*

Category of Students	New	Returning			Total
	1st year	2nd Year	3rd Year	4th Year	
BScN – Mona Campus	123	178	145	132	611
BScN – Western Jamaica Campus	19	23	23	23	94
BScN – franchised at EXED	76	56	67	66	255
BScN – franchised at Brown's Town Community College	40	39	38	41	157
BScN – franchised at Knox Community College	51	25	29	25	107
BScN franchised at Brown's Town Community College	7	–	13	2	22
<b>Sub-Total</b>	<b>316</b>	<b>329</b>	<b>301</b>	<b>252</b>	<b>1,198</b>
BScN (post RN) online delivery.	33	106			139
<b>Grand Total Undergraduates</b>	<b>349</b>	<b>988</b>			<b>1,337</b>

*Postgraduate Students:*

Category of Student	Full-time	Part-time	Total	Graduating Nov. 2017
MPhil/PhD	–	7	7	0
MScN (Nursing Administration; Nursing Education)	12	11	23	6
MScN (Family Nurse Practitioner; Mental Health/Psychiatric Nurse Practitioner; Clinical Nurse Specialist-Gerontology Option)	15	5	20	6
<b>Total Postgraduates Students</b>	<b>27</b>	<b>23</b>	<b>50</b>	<b>12</b>

### **Student Achievement and Activities**

- **Ophelia Simpson** and **Shellian Cowan** were awarded Scholarships from the Institute for the International Education of Students, valued at US\$5,000.00 each.
- **Cavel Campbell** and **Nichole Walker** received Scholarships from the UHWI Batch 61, valued at US\$1,000.00 each.
- **Joy Odusanya** and **Tiffany Buckland** were awarded Scholarships from the UHWI Batch 84, valued at J\$100,000.00 each.
- **Joy Odusanya** was named Nursing Student of the Year.

The School hosted the following:

- Students' Awards and Striping Ceremony in November 2016; students were awarded stripes for satisfactory clinical skills, theory application and professional attitudes. Students displaying outstanding knowledge, skills and attitudes were given special awards and certificates.
- Student Enrichment Seminar for 4th year students in the BScN programme. Presentations included: Customer Service, Interview Preparation from the HRM Perspective, Investment Options, Home Ownership and Retirement Planning.

### **Faculty of Medical Sciences Students' Awards Ceremony**

Seventeen students received awards at the Annual Faculty of Medical Sciences Annual Awards Ceremony, for outstanding work done.

#### **Top Graduands:**

Hillory Samuels and Shanice Thompson



# **FACULTY OF SCIENCE & TECHNOLOGY**

## **Mona**

Year ending July 31, 2017



**PROFESSOR PAUL REESE**  
**BSc (Hons), UWI, DPhil, *Sussex*, CChem, FRSC**  
**DEAN**

## – *Dean's Overview* –

### WORK OF THE FACULTY

The work of the Faculty entailed contributing to the national and regional development in areas related to conducting work in underserved communities, providing expert services and contribution to educational development. A synopsis of these work included:

**Science in the Home:** The Faculty's Guild Representative, Mr. Ramone R. Jackson, and his team launched the "Max Potential Programme" at the Maxfield Park Children's Home in October 2016 – a programme to assist students with GSAT and CSEC preparation. Sponsorship was provided by Chancellor Hall, Lucozade, and the Jamaica National Bank.

**Primary School Visits:** Students from the Norman Gardens Primary School visited the Chemistry Department in October. They were informed on the use of spectroscopy in research and had an opportunity to conduct an analytical experiment on a plant extract.

**Science in the Gardens Expo:** In February the Faculty participated in 'Science in the Gardens' expo at Hope Gardens, which was organized by the Scientific Research Council. The event was well supported by students from primary and high schools across the island. The level of engagement and interest was extremely high, and students were allowed to actively participate in science experiments.

**The Eastern FST Fair:** The Eastern Fair was held in April at the Port Antonio High School with participation from schools from the area.

Teaching sessions at the CSEC and CAPE levels were conducted in Mathematics, Chemistry, Physics and Biology. Displays were exhibited by the Computing, Chemistry, Life Sciences, Mathematics and Physics Departments.

**Girls in ICT Day:** The Department of Computing participated in “Girls in ICT Day” that was held at the Pegasus and Courtleigh Hotels in April.

**School Visits:** The Faculty’s undergraduate and graduate programmes were promoted during visits to twenty schools.

**Workshops and Laboratory Sessions:** The Departments of Chemistry, Life Sciences, Mathematics and Physics hosted approximately 2,000 students from 50 schools at CAPE workshops aimed at assisting them to grasp fundamental science concepts. The Biotechnology Centre also hosted 400 students from eight schools at a Genetic Engineering workshop. The Department of Physics provided laboratory sessions to 149 students from five high schools.

**Relay for Life:** In July the Faculty participated in Relay for Life 2017, the main fundraising activity of the Jamaica Cancer Society. The focus was **stomach cancer** in memory of Mr. Jimmy Hessing, who succumbed to the disease earlier in the year. Team FST won the Best Booth Competition for the third consecutive year, as well as copping the Spirit Award for Outstanding Team Vibes for the first time. The Faculty’s contribution was \$169,462.

**CB UWI 5K Run/Walk:** TEAM FST was represented by over 37 members on the track in November.

**The Art and Science of Data Visualization Workshop:** The Department of Computing, through Dr. Gunjan Mansingh, conducted The Art and Science of Data Visualization workshop for the National Commercial Bank from December 12–16, 2016.

**Hyperbaric Chamber Workshops:** Mr. Camilo Trench and staff from the Discovery Bay Marine Laboratory conducted the first in a series of Hyperbaric Chamber use and awareness workshops to 30 physicians and nurses for the North East Regional Health Authority. The aim was to

streamline hyperbaric medical treatment logistics and improve the appreciation for hyperbaric medicine in the main public hospitals receiving such patients.

**Plant Identification:** Mr Patrick Lewis, Curator of the Botany Herbarium, assisted the Jamaica Bauxite Institute with plant identification during a field trip to Maggoty, St. Elizabeth. The purpose was to access the status of abandoned bauxite ponds. A one-day Dendrology Workshop on common morphological characters used in plant identification was held for 25 Rangers of the Forestry Department in December.

**Port Royal Marine Lab (PRML) Visits:** The PRML accommodated 2,645 local and international (Stony Brook, Macmaster and Edinburgh Universities) visitors. Activities included conferences, research on marine ecosystems, teaching activities, eco-camps and educational tours.

**Discovery Bay Marine Lab (DMRL) Visits:** The DMRL accommodated approximately 4,000 local and foreign guests. The events incorporated symposia, research on marine ecosystems, teaching and laboratory activities, eco-camps and educational tours and presentations, lodging, and Hyperbaric Chamber Services.

**CloudCAST Project Workshop:** In February Dr. Andre Coy organized a workshop in Montego Bay for the CloudCAST Project. The project brought together speech technology experts and practitioners from the UK, Jamaica, Canada and Italy. The first of its kind, this project provided a way in which rapid developments in machine learning and speech technology could be placed in the hands of professionals who deal with speech problems and learning difficulties. This will be done by creating a free-of-charge, remotely-located, internet-based resources 'in the cloud'.

**Tour of Biotechnology Centre:** The Biotechnology Centre partnered with the Scientific Research Council to accommodate 85 students from primary to tertiary institutions across Jamaica.

**National Environment and Planning Agency Visible Emission Training:** In January the Department of Chemistry facilitated the staging of the Biannual Visible Emissions Observer (VEO) Certification Training offered by NEPA.

**Mobile data collection using the Open Data Kit app Workshop:** Dr. Arpita Mandal organized two workshops on mobile data collection to train disaster coordinators and parish representatives on using the app to collect disaster data and upload these on an open source platform for use by stakeholders in planning and policy making.

**Tropical Storm and Hydrologic and Hydraulic models Workshops:** Dr. Mandal also conducted training workshops on capacity building for CARICOM countries in St Kitts & Nevis, St Lucia, and Barbados. This was funded by USAID and Caribbean Community Climate Change Centre.

**Mathematics Competitions:** Dr. Raymond McEachin and colleagues from the Department of Mathematics organized two national mathematics competitions, sponsored by the Office of the Principal. The first competition was the Jamaican Mathematical Olympiad which accommodated a total of 1658 high school students. From this number three students were selected to represent Jamaica in the Central American and Caribbean Mathematical Olympiad, held in June in San Ignacio, El Salvador. Each student earned an Honourable Mention. The other contest was the Junior Mathematical Olympiad for 5,904 students between Grades 4 and 6 from 156 schools. At the end national champions were named and Honourable Mentions and Merit Awards were bestowed on the top 10% of the competing students.

**Coral Lifeline Workshop:** The Centre for Marine Sciences conducted the Coral Lifeline Workshop, a part of the IDB's Coral Reef Restoration Programme – the first of its kind in Jamaica. It brought together scientists and stakeholders from public and private sector entities that had a vested interest in the coastal and marine environment.

**Centre Internationale de Mathematique Pure et Applique Research School:** In January the Department of Mathematics hosted a research school entitled “Representation Theory and Applications to Differential Equations” for research students from Latin America and the Caribbean.

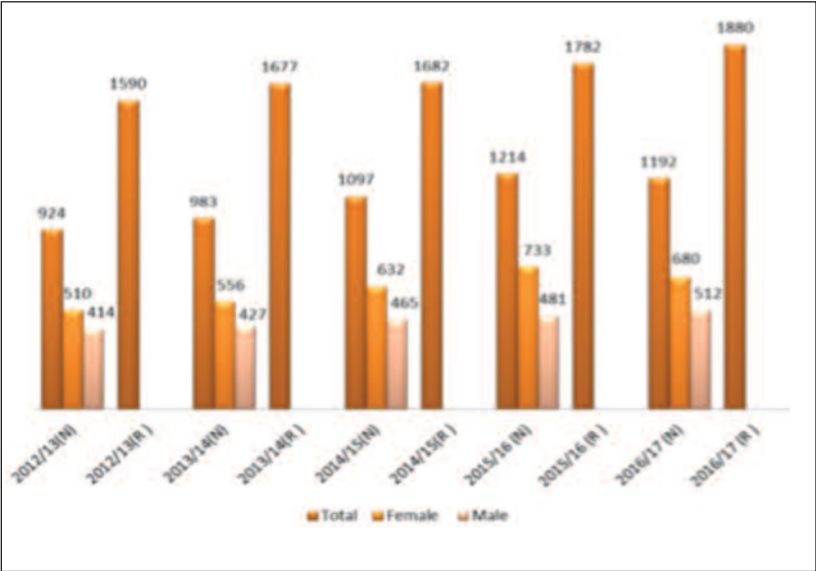
### **United Nations University – Biotechnology Programme for Latin America and the Caribbean (BIOLAC) Symposium and Workshop:**

The Biotechnology Centre received a special grant from the United Nations University Biotechnology Programme to stage the International Biotechnology Symposium on Agro-biotechnology for the Caribbean and Latin American Region in August. The symposium included a training workshop entitled “DNA Fingerprinting of Plants: Approaches, Applications and relevance to the Agricultural sector in the Caribbean and Latin America”. One hundred and twenty one individuals participated.

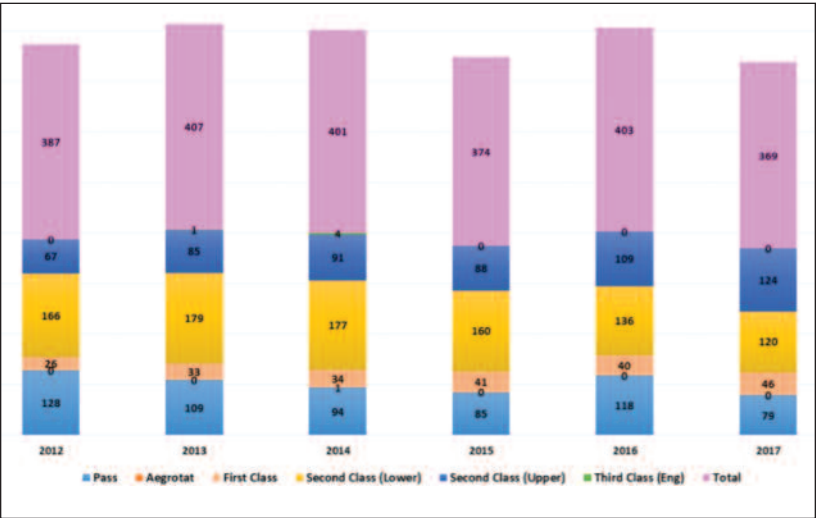
**Pacific-Caribbean Exchange Scientists Biotechnology Training:** The Biotechnology Centre collaborated with the Caribbean Agricultural Research and Development Institute, Northern Caribbean University, Scientific Research Council, and the Bodles Agricultural Research Centre to host the Pacific-Caribbean Exchange Scientists Training Programme in October. The programme exposed the ten Pacific visiting scientists to crop improvement and biodiversity of Jamaican Yams, Dasheen (taro), and Cocoyam (*Xanthosoma* sp.) as well as Sweet potato.

### **Enrolment and access to Faculty programmes**

- **Undergraduate Student Enrolment and Access to Faculty Programmes:** The number of undergraduate students enrolled in the Faculty has grown steadily between 2012/2013 and 2016/2017. This increase can be attributed to the variety of course offerings that are being offered, coupled with academic counselling, availability of information, and the general assistance offered to incoming students (and parents/guardians) by academic and administrative staff members. (See Figure 1).
- **Undergraduate Students – Awarding of degrees:** There were fluctuations in the number of degrees awarded between the 2012 and 2017. Most noticeably, 2017 saw the highest number of First Class and the lowest number of Pass degrees being awarded. In an effort to optimize the performance of each student while managing large class sizes, each Department continues to be innovative and flexible by increasing the number of laboratory and tutorial streams and consultation hours. (See Figure 2).

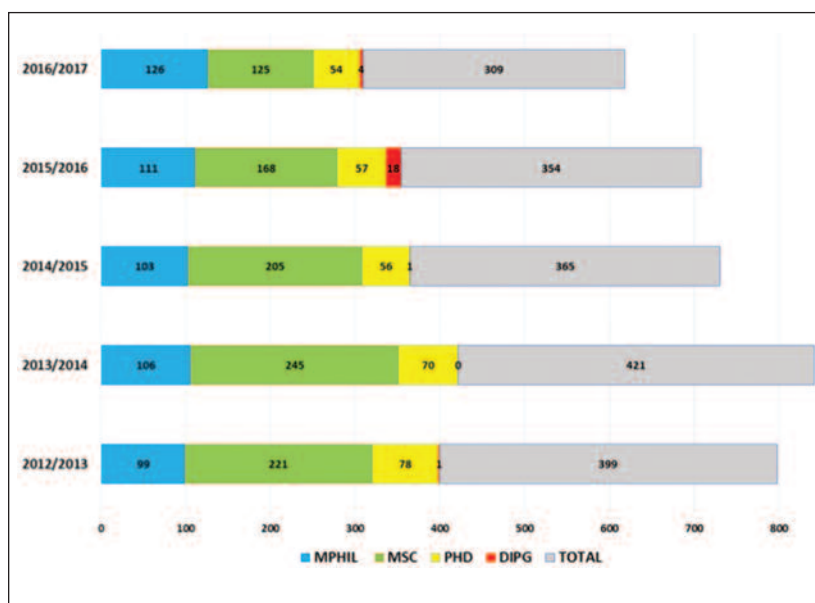


**Figure1:** Number of Registered Undergraduate Students, 2012–2017



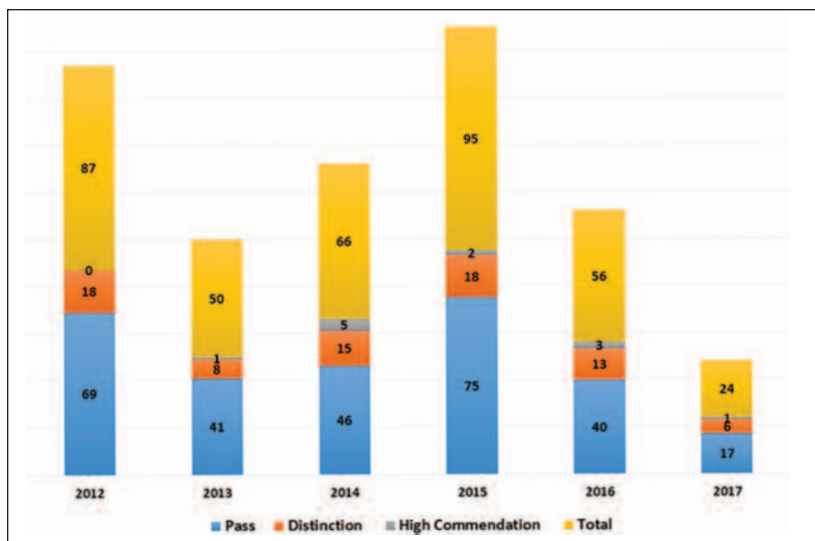
**Figure 2:** Number of Undergraduate Degrees Awarded, 2012–2017

- Graduate Studies and Research Enrolment and Access to Faculty Programmes:** The total number of graduate students registered for 2016/2017 was 309. This also represented the lowest student intake between 2012/2013 and 2016/2017. Most noticeably, for the first time in five years, the MPhil programme had more students enrolled than the taught MSc programmes. To increase graduate enrollment, the Faculty is improving its marketing strategies while revamping and implementing programmes that cater to societal needs, while meeting international standards. (See Figure 3).



**Figure 3:** Number of Registered Graduate Students, 2012–2017

- Graduate Students – Awarding of degrees:** As illustrated above, there were fluctuations in the number of degrees awarded between the 2012 and 2017. Most noticeably, 2017 saw the lowest number of Degrees being awarded. (See Figure 4).



**Figure 4:** Number of Graduate Degrees Awarded, 2012–2017

## PUBLICATIONS/ PAPERS PRESENTED

**Table 1:** Departmental Research Output with Graduate Students, 2016/2017

Department	No. of Registered MPhil and PhD Candidates 2016/2017	No. of Publication with Graduate Students 2016/2017	No. of Conference Presentation with Graduate Students 2016/2017
Biotechnology	20	3	4
Chemistry	42	12	2
Computing	16	13	8
Geography and Geology	18	–	5
Life Sciences	43	5	2
Mathematics	10	3	2
Physics	34	10	5
<b>Total</b>	<b>183</b>	<b>46</b>	<b>28</b>

**Table 2:** Overall Research output, 2016/2017

Publications	Department/Centre/Unit/School/Institute									
	Biotech	Chem	Comp	Geo/Geol	PHYS	LS	Math	Eng	NPI	Total
Book/Book Chapters	2	–	2	1	2	4	–	–	–	11
Books Edited	–	–	–	–	–	–	–	–	2	2
Conference Presentations/ Papers Presented	10	8	-	17	–	7	–	3	7	52
Conference Proceedings	–	–	13	-	3	–	–	–	–	16
Invited Talks	–	–	2	–	–	–	9	–	–	11
Journal Articles	–	-	6	1	25	–	7	–	–	39
Monographs	–	–	1	–	-	1	–	–	–	2
News Media Report	1	–	–	–	–	–	–	–	–	1
Refereed Book Chapters/Journal Articles	8	15	-	16	–	12	–	–	10	61
Refereed Conference Proceedings	–	–	–	–	–	–	1	–	–	1
Technical Papers	5	–	–	1	–	–	–	–	–	6
<b>Total</b>	<b>26</b>	<b>23</b>	<b>24</b>	<b>36</b>	<b>30</b>	<b>24</b>	<b>17</b>	<b>3</b>	<b>19</b>	<b>202</b>

BIOTECH = Biotechnology Centre; CHEM = Chemistry; COMP = Computing; GEO/GEOL = Geography and Geology; PHYS = Physics; LS = Life Sciences; MATH = Mathematics; NPI = Natural Products Institute.

## INCOME GENERATION

Departments continue to generate income through self-financing programmes and fundraising activities. It has become increasingly difficult to attract research funding from Public and Private entities. Nevertheless, the Faculty has acquired funds amounting to approximately JA\$222,572,230.

## PUBLIC SERVICE

- Dr. Peter Nelson was chosen to serve on the Technical Committee for soaps and detergents at the Bureau of Standards Jamaica. This committee is charged with regulating/adjusting and deciding on appropriate standards for locally manufactured and imported soaps and detergents.
- Professor Mona Webber was selected as a Director of the National Conservation Trust Fund Board and to the Science Advisory Committee of the Jamaica National Commission for UNESCO. She has also been invited to serve on NEPA's Technical Review Committee.
- Professor Mona Webber and Dr. Karl Aiken were reappointed to the Scientific Authority of CITES.
- Dr. Dwayne Buddo was named to the Scientific Authority of the Convention on International Trade in Endangered Species as well as a member of NEPA's Marine Park Advisory Board.
- Dr. Kurt McLaren was invited to sit as a member of Project Evaluation Committee of the Council for Earth and Life Sciences, Netherlands Organization for Scientific Research.

## STUDENT ACHIEVEMENTS

- **Annual Faculty Awards Ceremony:** At the Annual Faculty Awards Ceremony the accomplishments of 259 undergraduate and graduate students and 21 staff members were celebrated.
- **Mona School of Engineering Students' Participation in IEEE Southeastern Conference:** Members of the Institute of Electrical and Electronics Engineers (IEEE) UWI Student Branch made UWI

and Jamaica proud in the IEEE Southeastern Conference 2017 hosted in Charlotte, North Carolina from March 31 to April 2. Jason Brown placed first in the Technical Paper Competition (a first for a Jamaican university) and the Robotics Team placed 13th out of 41 universities in the hardware contest.

## **STAFF ACHIEVEMENTS**

- The UWI Annual Principal Research Day Awards Ceremony was held on February 3, 2017. Recipients of awards included:
  - Professor Mohammed Bakir and Dr. Peter Nelson – Best Research Publication
  - Drs. Rupika Delgoda, Chukwuemeka Nwokocha and Sheena Francis – Best Research Publication
  - Professor Michael Taylor and Drs. Dale Rankine, Andre Coy and Jane Cohen – Best Research Publication
  - Professor Mohammed Bakir – Most Outstanding Researcher;
  - Dr. Conall Kelly – Most Outstanding Researcher
  - Dr. Venkateswara Rao Penugonda – Most Outstanding Researcher;
  - Professor Michael Taylor – Research Project attracting the Most Research Funds;
- Drs. Rupika Delgoda and David Picking – Research Project with Greatest Development Impact.
- Dr. Nagarani Ponakala received TWAS-CAS Young Scientist Award for 2016 jointly conferred by The World Academy of Sciences (TWAS) and Caribbean Academy of Sciences (CAS).
- Dr. Venkateswara Penugonda was recognized by the International Institute of Education and Management in New Delhi, India for his teaching accomplishments.

## **DISTINGUISHED VISITORS**

Professor Sir Kenneth Hall, former Governor-General of Jamaica and former Principal of UWI Mona, paid a courtesy call on the Biotechnology

Centre on April 5. Sir Kenneth was welcomed by the Director, staff members, and students of the Centre. Professor Asemota's postgraduate students gave Professor Hall a tour of the Centre's facilities and briefed him on their research work. The former Governor General admired the enthusiasm of the students and their sustained interest in research.

## DEPARTMENT OF CHEMISTRY



Dr Roy Porter, BSc, PhD, *UWI*  
Head of Department

### OVERVIEW

The Department of Chemistry continues to fulfill its mandate to provide first class teaching, research and service with the aim of producing competent, well rounded chemist with professional development, thereby continuing to enrich the development of the University community, the nation and the world at large. Consequently, at the end of the academic year, we graduated fifty six (56) students with B.Sc. Degrees eleven (11) of whom received first class honours. Sixteen (16) with MSc.in Occupational Environmental Safety and Health (OESH) five (5) of whom received distinctions, and one (1) student was awarded a PhD. One (1) M.Sc. Food and Agro-Processing Technology (FAPT) degree was awarded.

## HIGHLIGHTS OF MAJOR ACTIVITIES

### Staff Movements

Drs. Camille Bowen-Forbes and Kerry Ann Green lecturers in the department have moved on to take up overseas opportunities. Miss Camelia Campbell also tendered her resignation as Senior Secretary in the department to assume an Administrative position at another location on the campus. Miss Wendy McNeish who was on secondment to the Estate Management Department has been appointed permanently to that department. Subsequently, Miss Carol Gardner has been assigned to the position previously held by Miss McNeish. Dr. Ainka Brown has been appointed to the post of Research Fellow

On 20th December 2016, the department hosted a Christmas Luncheon/Retirement Function at Waterfalls Limited in honour of the contribution made by Ms. Christine Montague and Professor Yvette Jackson, to the department. Citations issued to the retirees expressed the Department's gratitude, and the retirees were overjoyed with the gesture of appreciation.

### Department Seminars

Dr. Marvadeen Singh-Wilmot, assisted by Dr. Nadale Downer-Riley coordinated the year's departmental seminars. Eighteen (18) engaging and informative seminars covering a wide range of topics were delivered by visitors, faculty and postgraduates; seminars delivered by visitors to the department are listed below.

- Professor Allan Headley, Texas A&M University, "Ionic Liquid Supported Organocatalytic Systems for Enantioselective Reactions".
- Dr. Grace-Anne Bent, University of the West Indies, St. Augustine, "Towards a deeper understanding of the mechanisms of interaction between acrylamide and key body fluids thiols".

**Student enrolment:**

Table 1: Number of students reading courses in chemistry, 2013–2017.

Level	2013–2014 Sem 1/Sem 2	2014–2105 Sem 1/Sem 2	2015–2016 Sem 1/Sem 2	2016–2017 Sem 1/Sem 2
Preliminary	223/206	197/173	233/197	225/182
Introductory	542/481	552/501	600/534	566/498
Advanced	255/218	239/198	218/188	256/233
Postgraduates	69/66	80/69	66/49	54/48

**HIGHER DEGREE AWARDED**

Table 2: Higher degrees in Chemistry awarded in 2016/2017 AY

Degree Completed	Name	Supervisor(s)
PhD	April Johnson	Professor Helen Jacobs

**Book Loan Scheme**

The Department continues to operate its book loan scheme for the undergraduate students. The demand for the introductory courses continues to be the highest demand, followed by those for the preliminary courses.

**Chemistry Honours Society**

On 29th September 2016 the Department hosted an Induction Ceremony for the Chemistry Honours Society, the Guest Speaker was Professor Allan Headley. Twenty-One (21) students were awarded, nine (9) students

were first time Bronze Award recipients, seven (7) received the Silver Award for being an awardee for two successive semesters, three (3) received the Gold Award for their 3rd consecutive semester as awardees and two (2) Diamond awardees for being inducted into CHS for four consecutive semesters. At the second Induction Ceremony on February 23rd, 2017, twelve (12) students were inducted into the society. Eight (8) Bronze Award, two (2) Silver Award, and two (2) Gold Awards. The Guest Speaker was Dr. Peter Nelson.

### **NEPA Visible Emission Training**

On January 17, 2017, the Department facilitated the staging of the Biannual Visible Emissions Observer (VEO) Certification Training offered by the National Environment and Planning Agency (NEPA). The VEO Training was administered by representatives of Eastern Technical Associates (ETA), a company based in the United States of America. VEO Training School is accredited by the United States Environment Protection Agency (US-EPA).

### **CAPE Workshop**

During the period 9th–13th January, 2017, the Department hosted another successful series of workshops on Spectroscopy and Chromatography for the Caribbean Advanced Proficiency Examinations (CAPE) in Chemistry. Over 850 students and teachers from 40 high schools and community colleges across the island participated. Dr. Salder-McKnight and Mrs. Samuels continue to organize these workshops and their efforts are truly appreciated.

### **Research Days & Awards**

The Department of Chemistry participated in Research Days 2017 activities with a booth display in the Main Exhibition Tent Village entitled “Chemistry in Nature: From the Mountainside to the Seaside”. Other activities held throughout those days included; mounted displays along the main spine in the Faculty of Science and Technology. An ice

cream making demonstration was conducted in the Food teaching lab, sampling of jams and chips as well as sampling of cassava bread developed by the UWI- Agricultural and Research Innovation Facility in collaboration with the Chemistry Department. The chemistry behind “popcorn” was also a highlight of the day’s activities.

Professor Mohammed Bakir and Dr. Peter Nelson received the Principal’s Award for the Best Research Publication for the article “Spectroscopic and electrochemical properties of di-2-thienyl ketone thiosemicarbazone (dtkts): electrochemical reactions with electrophiles ( $H^+$  and  $CO_2$ )”.

### **ACADEMIC VISITORS TO THE DEPARTMENT**

During the academic year, the following persons visited the Department

- Ms. Vivette Gooden, Quality Assurance Manager, Grace Kennedy Limited, conducted lectures in the Dairy Chemistry course offered by the Food and Agro Processing Technology (FAPT).
- Professor Allan Headley, who was on Sabbatical leave from The Texas A & M University offered his services to the department for one semester. He taught one (1) postgraduate course and also taught courses in the Applied Chemistry Section.
- Dr. Benine Khan, Fulbright scholar (from University of Texas, Dallas) shared her time between the Chemistry Department and The School of Engineering for the 2016/2017 AY. She taught a number of courses in the Applied Chemistry Section.
- Professors. Ake Nilsson and Thomas Olsson, lecturers from the Department of Chemistry, University of Gothenburg, Sweden, visited the Department November 21–December 1, 2016.
- Professor Melvin Pascall, Ohio State University delivered lectures in Food and Agro Processing Technology (FAPT) Programme.

### **FUNDED PROJECTS**

**Dr. Peter Nelson:**

- The development of polymeric Ion Selective membranes

Stimuli Modulated Phase switching Polymeric and Oligomeric Liquid Crystals as Smart Drug Transport Vehicles

**Dr. Novelette Sadler-McKnight:**

- Ambient air quality data and assessment for health and environment policies in Jamaica

**Dr. Ian Thompson:**

- “Spoilage Reduction and Shelf Life Extension of Produce & Products / Application of Post-Harvest Management Techniques”.

### **STAFF/ STUDENT EXCHANGE**

Messrs. Dwight Messam and Miguel Thaxter visited the University of Gothenburg, Sweden for semester 2 of the 2016–2017 academic year whilst Phuong Phan spent the semester at Mona. This is part of the ongoing programme of staff and student exchange between the Departments of Chemistry, University of Gothenburg, Sweden and The University of the West Indies, Mona Campus.

### **OUTREACH**

The Chemistry Department continues to engage in outreach activities to enrich the minds of students, particularly through visiting students from primary and high school across the island. A group of forty-one (41) students from the Norman Gardens Primary School visited the Chemistry Department on Friday, October 28, 2016. The students visited the NMR lab where they were informed about the NMR magnet and the applications of NMR in research. They also got an opportunity to conduct a TLC experiment on an extract from a natural product. On February 23, 2017 Dr. Nickiesha Stephenson visited the students at St. Andrew's Preparatory School, where she explored and demonstrated to the students how science can be integrated into their curriculum.

Staff and students of the Chemistry Department participated in the CB UWI 5K run/walk event held on November 13, 2016. They also assisted with the manning of the FST's booth at the event. Dr. Winklet Gallimore

should be commended for her efforts with these initiatives. Members of the Chemistry Department (under its ChemFit banner), also participated in the Sagicor Sigma 5.5K run/walk which was held on Sunday, February 19, 2017. The team placed ninth overall among universities and colleges, and received a certificate for participation

On December 16, 2016, Dr. Andrea Goldson Barnaby collaborated with the First Year Experience (FYE) and initiated a visit to TurnBerry Primary School in St. Anns Bay. A donation of a Microwave, Charts and other useful learning tools was made to the school.

As a component of the FST Week of activities, members of the Guild and their collaborators visited the Maxfield Park Children's Home on February 25, 2017, to make donations and show science experiments to the eager group of children from the home. It was a very engaging and learning experience for the children who learnt a lot about science. The Chemistry Department was represented by Dr. Winklet Gallimore.

## PAPERS PRESENTED

- **Campbell, S.**, Brown Alga, "Styopodium zonale: Secondary Metabolites and their Pharmaceutical Potential". The MaNaPro 2016, The 15th International Symposium on marine natural products/Database and Dereplication Workshop. Brazil. August 29–September 2, 2016. Poster Presentation.
- **Davis, D.** "Isolation, Characterization and Investigation of the Bioactivities of Compounds and Extracts from the Caribbean Sponge, *Halichondria melanodocia*". The MaNaPro 2016, The 15th International Symposium on marine natural products/Database and Dereplication Workshop. Brazil. August 29–September 2, 2016. Poster Presentation.
- **Goldson Barnaby, A.**, Williams, R. "Biochemical investigation into the functional properties of *Delonix regia*, *Cassia fistula* and *Blighia sapida* extracts", 252nd ACS National Meeting & Exposition, Philadelphia, PA, United States, August 21–25, 2016. Poster Presentation.
- **Rambaran, M., Mulder, W.**, Abbas, Z.; "The Effects of the Absorption

of Ions on the Physicochemical Properties of Silica Nanoparticles”. 46th World Chemistry Congress, IUPAC 2017, São Paulo, Brazil. July 12, 2017. Poster Presentation.

- **Roye C.** “Characterization of the Bioactive Compounds found in Jamaican Plant, *Mallontonia gnaphalodes*”. The MaNaPro 2016, The 15th International Symposium on marine natural products/Database and Dereplication Workshop. Brazil. August 29–September 2, 2016. Poster Presentation.
- Stewart, S. and **Stephenson, N.A.** “Harvesting the Sun’s Energy, Learning by Doing: Increasing Undergraduate Students’ Confidence, Motivation and Knowledge Gains” American Education Research Association Annual Meeting, San Antonio, TX, USA, April 27, 2017 Poster Presentation.
- **Stephenson, N.** and **Sadler-McKnight, N.** “Improving students’ critical thinking using the Science Writing and Workshop Template”. Gordon Research Conference on Chemistry Education, Bates College, Maine; June 18–23, 2017. Poster Presentation.
- **Stephenson, N.** and **Sadler-McKnight, N.** “Pushing students over the edge with explicit critical thinking engagement.” Paper presented at the 24th Biennial Conference on Chemical Education, University of Northern Colorado, Colorado; July 31–August 4, 2016.

## PUBLICATIONS

### Referred Journal Articles

- **Bowen Forbes, C. and Goldson Barnaby, A.** “Fats”. In *Pharmacognosy: Fundamentals, Applications and Strategy*. Ed. Badal-McCreath S. and Delgoda, R. Academic Press, (2016). 425–441.
- **Brown V.H.,** Brown N. “A review of the Knowledge, Attitudes and Practices of Registered Auto Mechanics in the Kingston and St. Andrew Metropolitan Region on the Disposal of used Motor Oils”. *Journals of Arts and Science and Technology*, 9 (2016): 1 11.

- Bartnik, M and **Facey, P.** “Glycosides”. In *Pharmacognosy: Fundamentals, Applications and Strategy*. Ed. By Badal-McCreath, S., Delgoda, R. Academic Press, (2016).101–161.
- **Gallimore, W.** “Marine Metabolites: Oceans of Opportunity”. In *Pharmacognosy: Fundamentals, Applications and Strategy*. Ed. By Badal-McCreath, S., Delgoda, R. Academic Press, (2016). 237–400.
- **Green, K. A., Maragh, P.T.,** Abdur-Rashid, K., Lough, A.J., **Dasgupta, T.P.** “Benzimidazol-2-ylidene ligated palladacyclic complexes of *N,N*-dimethylbenzylamine – Synthesis and application to C–C coupling reactions”. *Inorganica Chimica Acta* 449, (2016): 38–43.
- **Goldson Barnaby, A.,** Reid R., Warren D. “Phenylalanine ammonia lyase activity, antioxidant properties, fatty acid profile, mineral content and physiochemical analyses of *Cissus sicyoides* berries”. *Journal of Berry Research* 7, 2 (2017): 117–127.
- **Goldson Barnaby, A.,** Reid, R., Warren, D. “Antioxidant activity, total phenolics and fatty acid profile of *Delonix regia*, *Cassia fistula*, *Spathodea campanulata*, *Senna siamea* and *Tibouchina granulosa*”. *Journal of Analytical and Pharmaceutical Research* 3, 2 (2016): 2–7.
- **Mulder, W.H.** “Study of UV filters as an *in silico* (QSAR) graduate project’.D. González-Arjona, G. López-Pérez, M. Gustavo González, M.M. Domínguez. *Journal of Laboratory Chemical Education* 5, 4 (2017): 55–66.
- Jones, S., **Porter, R.,** C. Bishop “Implementing Medical Ganja in Jamaica”. *International Journal of Drug Policy* 42, (2017): 115–117.
- Jones, S., Bishop, C., **Porter, R.** “Temperature management of potatoes in packaging with reusable plastic crates in the fresh produce supply chain”. *Australian Journal Crop Science* 11, (2017): 638–643.
- **Downer-Riley, N. K., Jackson, Y. A.** “Recent Advances in the Synthesis of 1, 3-Azoles” *Current Topics in Medicinal Chemistry* 16, 30 (2016): 3617–3626.
- **Singh-Wilmot, M.A.,** Sinclair, R.A., Kahwa, I. A., Lough, A.J. “Eu<sup>3+</sup> Substitutional Defects and Their Effect on the Luminescence Special and Decay Dynamics of One Dimensional Rare Earth

Coordination Polymers and Trinuclear Complexes Derived from the Self-Assembly of Sal-Type Metalloligands” *Journal of Luminescence*, 182 (2017): 98–106.

- **Smith J.A., Singh-Wilmot, M.A.**, Carter, K.P., Cahill, C.L., Lough, A. J., Knee, C. S. “Eight Rare Earth Metal organic Frameworks and Coordination Polymers from 2- Nitroterephthlate: Syntheses, Structures, Solid-State Luminescence and an Unprecedented Topology”. *New Journal of Chemistry*, 40 (2016): 7338–7349
- Collier, T. L., Normandin, M. D., **Stephenson, N. A.**, Livni, E., Liang, S. H., Wooten, D. W., Esfahani, S.A., Stabin, M.G., Mahmood, U., Chen, J., Wang, W., Maresca, K., Waterhouse, R.N., El Fakhri, G., Richardson, P. F., and Vasdev, N. “Synthesis and Preliminary PET imaging of <sup>11</sup>C- and <sup>18</sup>F-isotopologues of the ROS1/ALK inhibitor lorlatinib” *Nature Communications* 8, (2017): 1–12
- Yuan, G.; Wang, F., **Stephenson, N. A.**, Wang, L., Rotstein, B. H.; Vasdev, N., Tang, P. and Liang, S.H. “Metal-free <sup>18</sup>F labeling of aryl-CF<sub>2</sub>H via nucleophilic radiofluorination and oxidative C-H activation”. *Chem. Commun* 53 (2017): 126–129.

## INCOME GENERATING

- Dr. Ian Thompson received \$5,000,000.00 from the Environmental Foundation of Jamaica (EFJ) through the Climate Change Adaptation Fund to support the research on “Spoilage Reduction and Shelf Life Extension of Produce & Products / Application of Post-Harvest Management Techniques”.
- Dr Novelette Sadler McKnight received funding under the Erasmus Plus Programme for the academic year 2016–18 for two (2) faculty and four (4) students under the exchange cooperation between the Department of Chemistry, The University of the West Indies, Mona and the Molecular Biology Department, the University of Gothenburg, Sweden. Funding received totalled **SEK 252920** or approx. **\$4,296,630JMD**.

- Dr Peter Nelson received a New Initiative Grant amounting to \$1,400,000.00 for the project “Stimuli Modulated Phase switching Polymeric and Oligomeric Liquid Crystals as Smart Drug Transport Vehicles”.

Consultation fees, summer school and other departmental income:  
\$14,401,916.61

## **PUBLIC SERVICE**

### **Dr. Andrea Goldson-Barnaby**

- Food Safety Modernization Act (FSMA) Workshop for Food industry personnel Preventive Control Qualified Individual (PCQI) Certification. Certification required by all food exporters to the United States of America Training Session, May 24–26, 2017.
- Food Safety Modernization Act (FSMA) Workshop for Kingston and St. Andrew Health Department Inspectors/Regulators Preventive Control Qualified Individual (PCQI) Certification. Certification required by all food exporters to the United States of America Training Session, July 26–28, 2017, 20 Participants.

### **Dr. Peter Nelson**

- Member, Soaps and Detergents Committee, Bureau of Standards, Jamaica.
- Member, School Board, Lysson’s Kindergarten, Lyssons, St. Thomas (since 2017)
- Technical Secretary, Disinfectant Committee, Bureau of Standards Jamaica

### **Dr. Roy Porter**

- Member, Ministry of Science, Energy and Technology, Hazardous Laboratory Waste Ad hoc Committee (HALWAC).

### **Dr. Novelette Saddler-McKnight**

- Coordinated CAPE Chemistry Spectroscopy workshop, January 13–17, 2017.

**Dr. Marvadeen Singh-Wilmot**

- Study skills and motivational talk to fourth formers at Manchester High School, April 2017.
- Appointed to the Board of the Natural History Museum of Jamaica – February 2017.

**STUDENTS**

At the Award Ceremony for the Faculty of Science and Technology held on March 23, 2017, the prizes and scholarships for undergraduate students in chemistry were awarded to:

Jonique Smith	The Cedric Hassall Scholarship
Nakeda Dennison	The Kenneth Magnus prize for Applied Chemistry
Zaynna James	The Food Chemistry Prize
Roxanne Francis	The Garfield Sadler Award
Junior Johnson	The Willard Pinnock Prize
Tahjna Robertson	The Leonard J. Haynes Award
Christophe Tracey	The Chemistry Department Prize
Shanice Hinds	The Pavelich/Honkan Prize.

## DEPARTMENT OF COMPUTING



**Dr. Ezra K. Mugisa, PhD (London), DIC (Imperial College), CITP  
Head of Department**

### OVERVIEW

The Department of Computing continues to offer multiple undergraduate and postgraduate programmes. We regularly revise our undergraduate programmes to keep them in line with international curriculum recommendations for computing. In 2016/2017 we started offering the new and revised minors in Information Technology, Software Engineering and Computer Science. Additionally, in 2016/2017 our objective was to strengthen the Masters programmes and offer a new programme, B.Sc. in Software Engineering. The Masters in Computer Science (M.Sc.) and the Masters in Computer Based Information Systems (CBMIS) – offered jointly with Mona School of Business and Management) were revised and a set of new courses were designed to be delivered in the academic year 2017/2018.

The academic year 2016/2017 was a productive one as our undergraduate student numbers continue to grow despite infrastructural problems. Staff

members continue to publish in peer reviewed journals, books, book chapters and conference proceeding; maintain good teaching scores and engage in various professional activities. Overall the department is growing stronger as most of the staff members now have a PhD degree or are close to completion.

In July 2017, Professor Osei-Bryson, the visiting professor to the department, spent two weeks mentoring and advising the research students and young staff members. We have benefited tremendously from this relationship, as he continues to be a valuable resource by assisting us with identifying external examiners and supervising MPhil and PhD students.

### **Programmes**

The BSc Software Engineering (Mobile Application Development) programme offered by the newly established UWI-China Institute of Information Technology (UWICIIT) through the Faculties of Science and Technology, in collaboration with the Global Institute of Software Technology (GIST) of Suzhou, China was introduced in 2016/2017. This programme started with 28 full time students at the Mona Campus and 8 full time students at the Cave Hill Campus. Six (6) courses were delivered via streaming from Mona to Cave Hill and four (4) from Cave Hill to Mona. Streaming of these courses was a challenge due to a lack of proper technical infrastructure primarily on Mona Campus. The programme is one of the first initiatives of the Single Virtual University (SVU) initiative. Head of the Department, Dr. Ezra Mugisa, travelled to China with the Dean of the Faculty, Professor Paul Reese, Vice-Chancellor, Professor Sir Hilary Beckles and other senior members from the University to sign a MOU with GIST in Suzhou and Jiangsu University China, to establish the Jiangsu University Suzhou Caribbean Institute.

We continue to offer the BSc IT programme at WJC. However, the number of students has not grown as we would have liked. We have identified a number of challenges that may have contributed to this situation and are seeking to rectify them in order to get a substantial intake in 2017/18.

We continue to encounter serious challenges in accessing streaming equipment for delivery of our courses to WJC and to Cave hill campus. In this regard we are looking at using alternative technologies to give our students a high quality experience.

The student numbers registered in the various undergraduate and postgraduate courses and the number of students graduating are given in tables 1–2, respectively. In table 2 graduating numbers are also separated into Males/Females. The number of graduates is up from 59 in 2015–2016 to 79 in 2016/2017, a growth of 33%.

**Table 1:** Student numbers registered in Computing in last five years

Level	2012–2013 Sem 1/Sem 2	2013–2014 Sem 1/Sem 2	2014–2015 Sem 1/Sem 2	2015–2016 Sem 1/Sem 2	2016–2017 Sem 1/Sem 2
<b>Undergraduate</b>					
Introductory	352/367	387/355	463/433	528/433	521/470
Advanced	150/179	190/203	227/240	282/281	318/299
<b>Postgraduate</b>					
M.Sc. Comp.Sci	58	67	64	39	36
M.Sc. CBMIS	37	29	15	32	29
PGDIT	n/a	n/a	n/a	17	n/a
M.Phil.	12	12	15	12	9
PhD	4	4	4	6	5

**Table 2:** Students graduating across majors in 2016/2017

Major	First Class M/F	Upper Second M/F	Lower Second M/F	Pass M/F	Total M/F
Computer Science	4/5	16/5	11/4	11/2	42/16
Computer Systems Engineering	2/0	2/0	1/0	1/0	6/0
Information Technology	0/0	1/5	4/1	0/1	5/7
Software Engineering	0/0	2/0	1/0	0/0	3/0
<b>Total</b>	<b>6/5</b>	<b>21/10</b>	<b>17/5</b>	<b>13/3</b>	<b>56/23 = 79</b>

### **Outreach and Public Service**

The department participated in the Orientation village and Science in the Garden (at Hope Gardens) with the aid of the Computing Society. The outreach coordinator, Dr. Paul Gaynor, with student volunteers participated in the Eastern Fair with a visit to Morant Bay High School and other schools in that region. The department also participated in Relay for Life and demonstrated a prototype of a Sign Language Converter. Mr. Ricardo Anderson, the lecturer at WJC, hosted several CAPE Computer Science Seminars both for students and computer science teachers in Western Jamaica parishes from October 2016–April 2017.

**International Girls in ICT Day** – Dr. Gunjan Mansingh and Dr. Claudine Allen along with the female students in the department participated in the activities organized for Girls in ICT Day Caribbean Hackathon 2017 which was held on April 27 2017. The event had 70,753 viewers across 10 countries. Dr. Mansingh was a speaker at the event and also the moderator for a panel – Conversation on “The Future of Women in Tech – Driving Business Innovation”. Some female students acted as mentors for high school teams and others participated in the Hackathon challenge. The UWI computing female students played an important role in helping the organizers in refining the hackathon challenge and acted as a think tank for various activities. Ms. Shanice Bryan, a third year student, won a tablet for the best volunteer for the leadership she displayed in assisting the organizers.

**Computing Society** – The Computing Society students developed an Android mobile app for the Faculty of Science and Technology under the mentorship of Dr. Gunjan Mansingh. The students developed the first version of the app within a month and the app was put into production in September 2016. This app could be downloaded by incoming students to access information related to the Faculty.

### **Income Generation**

We continued to run a number of income-generating activities as shown in table 3.

**Table 3:** Income Generation in the Department

Programme/Activity	Income	Expenditure	Net Income
MSc. Computer Science	4,332,000.00	7,171,409.97	-3,385,429.97
Summer School	2,459,674.00	1,838,186.52	621,487.48
CISCO Networking Academy	1,586,642.94	1,428,733.55	157,909.39
Consultancy	476,443.16	57,740.00	418,703.16

### Awards and Prizes

- Professor Daniel Coore received the Silver Musgrave Medal for Science (2017).
- The Karl Robinson Award was won by Ms. Kimberly Soares. The award is given to the student with the highest average in the first year, second year and semester I of the third year Computer Science courses.

### PUBLICATIONS AND PRESENTATIONS

The department's research output amounted to 20 refereed publications in journals and conference proceedings as indicated below and one (1) edited book.

#### Book and Book Chapters

- **Anderson, R.** and L. Longworth, eds. (2016). *Economic Transformation of Jamaica: Policies, Competitiveness and Technology Innovations*. Trafford Publishing (360 pages).
- **Mansingh G.,** Rao L., McNaughton M. (2017) Discovering Knowledge Nuggets in Financial Data: The Case of a Financial Services Institution. In: Rocha Á., Correia A., Adeli H., Reis L., Costanzo S. (eds) *Recent Advances in Information Systems and Technologies*. WorldCIST 2017.

*Advances in Intelligent Systems and Computing*, Vol. 570, pp. 518–527, Publisher Springer.

### Journals

- **Beckford, C.** and **E. Mugisa** (2017). “Towards Optimality in Online Learning – The OLeCenT Approach”. *Advances in Science, Technology and Engineering Systems Journal*, 2(1): 819–838. <https://doi.org/10.25046/aj0203103>.
- Feins R. H., H. M. Burkhart, J. V. Conte, **D. N. Coore**, J. I. Fann, G. L. Hicks, J. C. Nesbitt, P. S. Ramphal, K. R. Shen, A. Sridhar, P. W. Stewart, J. D. Walker, N. A. Mokadam (2017). “Simulation-based training in cardiac surgery”. *The Annals of Thoracic Surgery* 103 (1), pp 312–321.
- Mokadam N. A., J. I. Fann, G. L. Hicks, J. C. Nesbitt, H. M. Burkhart, J. V. Conte, **D. N. Coore**, P. S. Ramphal, K. R. Shen, J. D. Walker, R. H. Feins (2017). “Experience with cardiac surgery simulation curriculum: results of the resident and faculty survey”. *The Annals of Thoracic Surgery* 103 (1), pp 322–328.
- **Ewedafe S. U.**, & Rio H. S. (2017). “Parallelization with MPI on 1-D Active Thermal Control Problem”. *Communications on Applied Electronics*, Vol. 6, Issue 7: 41–46 (<http://www.caeaccess.org/archives/volume6/number7/706-706-2017652513>).
- Rao L., McNaughton M. and **Mansingh G.** (2017). “An Agile Approach for Academic Analytics: A Case Study”. *Journal of Enterprise Information Management*. 30(5), pp. 701–722. <http://www.emeraldinsight.com/doi/abs/10.1108/JEIM-06-2016-0121>.
- **Uwaoma, C.** and **G. Mansingh** (2017). “Proposing a decision support system for automated mobile asthma monitoring in remote areas”. *Information Technology for Development*, published online 01 May 2017, pages 1–14 <http://dx.doi.org/10.1080/02681102.2017.1310712>.

**Conference Proceedings (Peer-Reviewed)**

- **Anderson, R. and G. Mansingh** (2017). “A Workflow Management System for Knowledge Management Initiatives”. In Proceedings of the 23rd Americas Conference on Information Systems (AMCIS 2017), August 2017, Boston, MA.
- **Anderson, R. and G. Mansingh** (2017). “Knowledge Management and WfMS Integration”. In Proceedings of the 16th International Conference on Information & Knowledge Engineering, IKE’17: 2017, Las Vegas, USA.
- **Beckford, C. and E. Mugisa** (2016). “OLeCenT, A Tool towards Improving Online Learner-Centric Course Delivery”. In Proceedings of the Future Technologies Conference (pp. 385–394). 6–7 December 2016, San Francisco, USA. Institute of Electrical and Electronics Engineers (IEEE). <https://doi.org/10.1109/FTC.2016.7821638>.
- **Beckford, C. and E. Mugisa** (2016). “Ricoché – Providing Learner-Centric Scheduling in a Blended Learning Environment”. In Proceedings of the International Conference of Education, Research and Innovation (pp. 1852-1862). 17–19 November 2016. Seville, Spain. International Academy of Technology, Education and Development (IATED). <https://doi.org/10.21125/iceri.2016.1414>.
- **Drummonds, A. O. and D. T. Fokum** (2017). “A robust “Plug-and-Play” application for executing virtualized indoor Wi-Fi localization”. In Proceedings of the SoutheastCon 2017, Charlotte, NC, March 2017, pages 1–5.
- **Ewedafe S. U.** (2016). “On the Parallelization of 2-D ATCP using Stationary Iterative Schemes on PVM”. 3rd Innovative and Analytics Conference & Exhibition (IACE2016) Kedah, Malaysia, 31 Oct. – 1 Nov, 2016, pages 1–8.
- **Ewedafe S. U.** (2017). “Parallel Solution for 2-D Active Thermal Control Process with ADI Scheme on PVM”. 7th International Conference on Experiments/Process/System Modeling/Simulation & Optimization (7 th IC-EPsMsO) Athens Greece, July 5–8, 2017, Athens, Greece, pages 1-7.

- **Jones D.** and **Mansingh G.** (2016). “Not Just Dissimilar, but Opposite An Algorithm for Measuring Similarity and Oppositeness between Word”. In Proceedings of Third IEEE International Conference on Data Science and Engineering ICDSE, August 23–25, 2016, Kerala, India. Available on IEEE Xplore DOI: 10.1109/ICDSE.2016.7823936.
- **Mansingh G.**, Osei-Bryson K.-M., Rao L. and McNaughton M. (2016). “Market Basket Analysis in the Financial Sector – A Customer Centric Approach”. Pre-ICIS SIGDSA/IFIP WG8.3 Symposium, December 10–11, 2016, Dublin, Ireland, pages 1–14.
- **Mansingh G.**, Osei-Bryson K.-M., Rao L. and McNaughton M. (2016). “Data Preparation: Art or Science?”. In Proceedings of Third IEEE International Conference on Data Science and Engineering ICDSE, August 23–25, 2016, Kerala, India. Available on IEEE Xplore DOI: 10.1109/ICDSE.2016.7823936.
- **Miller, S.** and **Busby-Earle, C.** (2017). “Multi-Perspective Machine Learning A Classifier Ensemble method for intrusion detection”. Proceedings of the International Conference on Machine Learning and Soft Computing (ICMLSC2017), Ho Chi Minh City, Vietnam. ACM, January 13–16, 2017, pages 1–6.
- **Miller, S.** and **Busby-Earle, C.** (2016). “The Role of Machine Learning in Botnet Detection”. Proceedings of the 11th International Conference for Internet Technology and Secured Transactions (ICITST-2016), Barcelona, Spain, December 5–7, 2016, pages 1–6.
- **Uwaoma, C.** and **G. Mansingh** (2017). “On Smartphone-based Discrimination of Pathological Respiratory Sounds with Similar Acoustic Properties using Machine Learning Algorithms”. In Proceedings of the 14th International Conference on Informatics in Control, Automation and Robotics (ICINCO), Volume 1, July 26th–28th, 2017, Madrid, Spain, DOI: 10.5220/0006404604220430, pp. 422–430.

### **Monograph**

- R. H. Feins, H. M. Burkhart, J. V. Conte, **D. N. Coore**, J. I. Fann, G. L. Hicks, N. Mokadam, J. C. Nesbitt, P. S. Ramphal, K. R. Shen, J. D. Walker (2016). “Cardiac Surgery Simulation Curriculum: Simulation-based training in surgical skills and decision making”. TSDA.

### **Invited talks and workshops**

#### **Gunjan Mansingh**

- Artificial Intelligence Demystified – From research to application. An invited talk at Jamaica Computer Society presents BizTech Talk. May 30th 2017.
- Customer Analytics – An invited talk at Jamaica Computer Society Conference, November 16–17 2016.
- Conducted a 5 day course on “The Art and Science of Data Visualization” for National Commercial Bank, December 12–16 , 2016.

### **PROFESSIONAL AND SCHOLARLY ACTIVITIES**

#### **Allen, Claudine**

- Panel Chair for CSEC IT Syllabus Review 2017–2022.
- Reviewer: *Caribbean Educational Research Journal*, School of Education, University of the West Indies, Cave Hill Campus.

#### **Anderson, Ricardo**

- Reviewer: Knowledge Management for Research and Practice, Springer.

#### **Busby-Earle, Curtis**

- Reviewer: IET Software, Institution of Engineering and Technology; 10th International Conference on Emerging Security Information, Systems and Technologies, Nice, France.

**Coore, Daniel**

- Attended a 3 day Boot Camp to provide technical assistance for the use of the UWI Cardiac Surgery Simulator (UWICSS) at the 9th annual Cardiothoracic Boot Camp sponsored by the Thoracic Surgery Director's Association (TSDA).
- Reviewer: Annual workshop "Engineering Complex Adaptive Systems (eCAS)"

**Ewedafe, Simon**

- Reviewer: Editorial Board Member for *International Journal of Modern Computer Networks (IJMCN)*.
- International Scientific Committee and Editorial Review Board on Computer and Information Engineering.
- International Advisory Board for *International Journal of Computer Application & Applied Sciences (IJCAAS)*.
- Editorial Board Member for Science Research Association (SCIREA) Journal of Information Science and Systems Science.
- Editor for *Informatics Engineering and Information Science*

**Fokum, Daniel**

- Attended workshop – June 2017 JIPO/WIPO Patent Drafting Course, Jamaica Intellectual Property Office (JIPO).
- External assessor for the University Council of Jamaica (UCJ). Examined the Computer
- Proctor for IEEEExtreme Programming Competition, October 2016.
- Coach for ACM Intercollegiate Programming Competition, September–October 2016.
- Conference Reviewer: ACM Conference on Innovation and Technology in Computer Science Education, ITiCSE (2017); ACM Technical Symposium on Computing Science Education, SIGCSE (2017), IEEE SoutheastCon (2017).

**Mansingh, Gunjan**

Reviewer:

- Member of Editorial Review Board of *International Journal of Knowledge Management*, IGI Publishing.
- European Conference on Information Systems (ECIS), AIS Conference
- Journal – *Decision Support Systems*, Elsevier.
- Journal – *Expert Systems with Applications*, Elsevier.

## DEPARTMENT OF GEOGRAPHY AND GEOLOGY



**Professor Simon F Mitchell**, B.Sc. *Hull*, Ph.D. *Liverpool*  
Head of Department

### WORK OF THE DEPARTMENT

Professor Simon F. Mitchell continued as head of the Department for the 2016–2017 academic year as well as continuing as Acting Head of the Earthquake Unit. Dr Arpita Mandal continued as coordinator of Graduate Students in the Department, Dr David Miller coordinated examinations, Dr Sherene James-Williamson coordinated outreach, and Dr Kevon Rhiney and Dr Thomas Stemmann coordinated the Geography and Geology programmes respectively.

Dr Kevon Rhiney took a one year leave of absence, and Dr Rose-Ann Smith oversaw his teaching duties for the year. Dr. Kevin Rhiney formally resigned as Lecturer in the Department at the end of the year, but is still engaged with the Department in running research projects and co-supervising research students. Mr Robert Kinlock and Miss Taneisha

Edwards were further employed to teach in Geography and Geology respectively, and Dr Donovan Blissett taught a course in the Department on a part-time contract. Ms Jullian Williams continued as a research assistant for the Head of Department, but resigned at the end of the year.

The Department continued to offer its full curricula of courses in Geography and Geology during the 2016–2017 academic year despite staffing restrictions. Once again, some staff members had to undertake excessive teaching loads in order to accommodate this.

Dr Mandal organized two workshops on mobile data collection using the Open Data Kit (ODK) app at the Department of Geography and Geology in September and November 2016. The work involved training disaster coordinators and parish representatives on using the ODK app to collect disaster data and upload these on an open source platform for use by stakeholders in planning and policy making. Dr Mandal attended and conducted training workshop on capacity building in the utility and application of the Tropical Storm Model along with Hydrologic and Hydraulic models for CARICOM countries in the Eastern and Southern Caribbean Region. This was funded by USAID and Caribbean Community Climate Change Centre (CCCCC/5Cs). Under this initiative, workshops were conducted in St Kitts and Nevis (19–28 April 2017), St Lucia (19–30 June 2017) and Barbados (24 July– 4 August 2017).

The Department hosted a mapathon in collaboration with the National Spatial Data Management Division (Ministry of Economic Growth and Job Creation) during GIS Day (November 16, 2017) and UWI Research Days (February 1–3, 2017). The department hosted 30 and 50 students and their teachers, respectively.

The Museum saw approximately 500 persons this year from UWI Research Days and School visits. The Museum through the Department sponsored GreenCamp 2016 from August 8–11, 2016. The planned activities, initially scheduled for August 1–4 and 8–11 were disrupted by heavy rains associated with Tropical Storm Earl (later became Hurricane Earl). The department sponsored the space for the hosting of the camp. The camp activities centred around environmental issues and solutions –

reduce, reuse and recycle; alternative sources of energy; composting among others.

## PAPERS PRESENTED

- **Mike J. Burn** and S. E. Palmer. (2017). “Harmonizing marine and terrestrial paleoclimate archives to better understand Caribbean climate dynamics.” Oral Presentation. 38th Scientific Conference of the Association of Marine Laboratories of the Caribbean. Merida, Mexico, May 20–26.
- **Taneisha C.P. Edwards**. “Sea-level rise, Quaternary geologies and coastal erosion: A case study for Kingston, Jamaica.” Oral Presentation. Lecture Series, UWI in Action: Mitigating the Impact of Climate Change and Environmental Challenges, 31st October 2016, UWI regional headquarters, Kingston, Jamaica.
- **Yucel Deniz Erdal**, Juan Carlos Silva-Tamayo, Brain Richardson and **Simon F. Mitchell** “Sedimentology, stratigraphy and chemostratigraphy of Eocene-Miocene carbonate successions in the western Caribbean: the Swanswick and Somerset formations, Jamaica.” Poster Presentation. Session No. 340 – Booth # 312, Sediments, Carbonates (Posters), Wednesday, 28th September 2016: 9:00 AM–6:30 PM, Exhibit Hall E/F (Colorado Convention Center), GSA Annual Meeting in Denver, Colorado, USA, Abstract published in *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7, doi: 10.1130/abs/2016AM-286530.
- **Sherene A. James-Williamson**, K. Weise and D. Shirley. “Teaching children to document heritage: the intangible heritage pilot project.” Oral Presentation. Museums Association of the Caribbean Conference held 9–12th October 2016, Grand Cayman, Cayman Islands.
- **Robert Kinlocke**. (2017). “Mobile Data Collection for Disaster Management.” Mobile Data Collection Workshop for Disaster Management Practitioners in the Public sector, 11–12th November 2016, Department of Geography and Geology, UWI, Mona.
- **Arpita Mandal** and A. Nandi. “Hydrological modelling to estimate

runoff and infiltration in Southeastern Appalachian Debris Flow Complex.” Oral Presentation. 3rd North American Symposium on Landslides, June 2017, Roanoke, Virginia.

- **Arpita Mandal**, Simon F. Mitchell and M. Curtis. “Climate variability and impact on water resources for Jamaica with special emphasis on the Kingston basin.” Oral Presentation. Session No. 310, T110, Hydrogeological and Geomorphological Responses to El Niño, Extreme Weather Events, and Landscape Disturbances, Wednesday, 28th September 2016: 1:30 PM-5:30 PM, Mile High Ballroom 3B (Colorado Convention Center). GSA Annual Meeting in Denver, Colorado, USA. *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7, doi: 10.1130/abs/2016AM-287285.
- **S. E. Metcalfe**, J. A. Holmes, Mike J. Burn, C. S. Lane and S. P. Horn. “Palaeolimnological records of climate change in the Central American – Intra-Americas Seas region over the last 2000 years.” Oral Presentation. 5th PAGES Open Science. Meeting, 9–13 May 2017, Zaragoza, Spain.
- **Simon F. Mitchell**. “The mid Cenozoic carbonate platform of the Nicaraguan Rise: importance of carbonate productivity, volcanism and tectonics.” Oral Presentation. Session No. 296, Sediments, Carbonates, Wednesday, 28th September 2016: 1:30 PM-5:30 PM, Room 401 (Colorado Convention Center). GSA Annual Meeting in Denver, Colorado, USA. Abstract published in *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7, doi: 10.1130/abs/2016AM-287240.
- **Simon F. Mitchell**. “Ten fun things about the geology of Jamaica.” Oral Presentation. Natural History Society of Jamaica, invited lecture celebrating 75 years of the Society, 10th November 2016, Botany Seminar Room, UWI Mona Campus, Kingston, Jamaica.
- **Simon F. Mitchell**. “Understanding the Eocene of Jamaica.” Oral Presentation. AGM, Geological Society of Jamaica, 3rd June, 2017, Department of Geography and Geology, University of the West Indies, Mona, Jamaica.

- **Natalie S. Robinson** and Simon F. Mitchell. “Larger Foraminifera from the platform margin of Jamaica during the Eocene.” Oral Presentation. Session No. 104-T132. Microfossil Proxies in Earth History, Monday, 26th September 2016: 8:00 AM-12:00 PM, Room 505 (Colorado Convention Center). GSA Annual Meeting in Denver, Colorado, USA, Abstract published in *Geological Society of America Abstracts with Programs*. Vol. 48, No. 7, doi: 10.1130/abs/2016AM-276930.
- **Kevon Rhiney**. “Beyond Human Geographies: Insecurity and non-human agents.” Oral Presentation. 2nd CARSICC Postgraduate Conference and Network Meeting, 6–7 December 2016, University of Leeds, Leeds UK.
- **Kevon Rhiney**. “Livelihood Insecurities of Caribbean Farmers to Global Change.” Oral Presentation. 42nd Caribbean Studies Association Conference, 7th June 2017, Nassau, Bahamas.
- **Kevon Rhiney**. “Assessing the Potential Impacts of Projected Climate-induced Stresses on the Cocoa and Tomato Subsectors in Jamaica.” Oral Presentation. Annual Meeting of the American Association of Geographers (AAG), 9th April 2017, Boston, MA, USA.
- **Robert W. Scott**, Thomas Steuber, Simon F. Mitchell and Peter W. Skelton. “Global changes in rudist bivalve diversity and effects on early Cretaceous Gulf Coast communities.” Oral Presentation. Session: T3. Advances in Sedimentology, Stratigraphy, and Geochemistry of Carbonates and Mixed Carbonate Clastic Systems. Geological Society of America, South-Central Section – 51st Annual Meeting, 13–14 March 2017, Omni San Antonio, Hotel at the Colonnade, San Antonio, Texas, USA.
- **Rose-Ann. J. Smith** and Robert Kinlocke. (2017) “Integration of Mobile Devices for Field based Learning.” Teaching with 21st Century Technologies Conference, 7th April 2017, The University of the West Indies, Mona Campus, Jamaica.

## PUBLICATIONS

### Books and Journals

**David Barker**, D. McGregor, **Kevin Rhiney** and **Thera Edwards** (2016) “*Global Change and the Caribbean: Adaptation and Resilience*”, UWI Press, 289 pp., Kingston, Jamaica. (print).

**David Barker** (Editor). *Caribbean Geography*, Volume 21, September 2016, 86 pp.

### Refereed Book Chapters and Journal Articles

- Allison Bain, Anne-Marie Faucher, Lisa M. Kennedy, Allison R. LeBlanc, **Michael J. Burn**, Rebecca Boger and Sophia Perdikaris. (2017). “Landscape transformation during Ceramic Age and Colonial Occupations of Barbuda, West Indies.” *Environmental Archaeology*, 11 pp., <http://dx.doi.org/10.1080/14614103.2017.1345115>.
- **David Barker**. (2017). “Indigenous Knowledge.” *The International Encyclopedia of Geography*. In D. Douglas Richardson, N. F. Castree, M. F. Goodchild, A. Kobayashi, W. Weidong Liu and R. A. Marston (Eds.), John Wiley & Sons, Ltd, DOI: 10.1002/9781118786352.wbieg0119.
- **David Barker** and D. McGregor. (2016), “Retrospect and Prospect: The British-Caribbean Geography Seminar Series” In D. Barker, D. McGregor, K. Rhiney and T. Edwards (Eds), *Global Change and the Caribbean: Adaptation and Resilience*, pp. 271–286, UWI Press, Kingston, Jamaica.
- **Taneisha C. P. Edwards** and **Simon F. Mitchell**. (2017). “Trace fossils in clastic beachrocks at the Yallahs Salt Ponds, Jamaica: implications for beachrock cementation.” *Journal of Coastal Research*.
- H. Glas, G. Deruyter, D. P. Maeyer, **Arpita Mandal**, **Sherene James-Williamson**. (2016). “Analyzing the sensitivity of a flood risk assessment model towards its input data.” *Natural Hazards and Earth System Sciences*, Vol. 16, pp. 2529–2542

- H. Glas, M. Jonckheere, **A. Mandal**, **S. James-Williamson**, D. P. Maeyer and G. Deruyter. (2017). "A GIS based tool for flood damage assessment and delineation of a methodology for future risk assessment: case study of Annotto Bay, Jamaica." *Natural Hazards*, DOI: 10.1007/s11069-017-2920-5.
- **Sherene A. James-Williamson**, M. Aratram and P. E. Green. (2016). "Protecting Geoheritage in the Caribbean: Insights from Jamaica West Indies." *Geoheritage*, Vol. 9 (2), pp. 195-209. DOI 10.1007/s12371-016-0195-y.
- **Robert Kinlocke** and C. Fingal Robinson. (2016). "Challenge, change and the expression of social capital in Kingston, Jamaica and rural St. Lucia." In D. Barker, D. McGregor, K. Rhiney and T. Edwards (Eds), *Global Change and the Caribbean: Adaptation and Resilience*, pp. 137–160, UWI Press, Kingston, Jamaica,
- **Arpita Mandal** and A. Nandi. (2017). "Hydrological modelling to estimate runoff and infiltration in Southeastern Appalachian Debris Flow Complex." In J. V. De Graffand and A. Shakoor (Eds.), *Landslides: Putting Experience, Knowledge and Emerging Technologies into Practice*, AEG Special Publication No. 27, pp. 502–513.
- D. McGregor, **David Barker**, **Kevin Rhiney** and **Thera Edwards**. (2016). "Adaptation and Resilience: Changing Caribbean Perspectives." In Barker, D., McGregor, D., Rhiney, K. and T. Edwards (Eds), *Global Change and the Caribbean: Adaptation and Resilience*, pp. 3–20, UWI Press, Kingston, Jamaica.
- **Simon F. Mitchell** and **Taneisha C. P. Edwards**. (2016). "Geology of the Maastrichtian (Upper Cretaceous) succession of the Jerusalem Mountain Inlier in western Jamaica." *Caribbean Journal of Earth Science*, Vol. 48, pp. 29–36.
- **Simon F. Mitchell**, Richard N. Abbott, Suresh Bhalai, Shonel Dwyer, **Taneisha C. P. Edwards**, Amir Mohamed, Natalie Ferguson, Norman Harris, Stefon Harrypersad, Orane Hepburn, Cheyne Howell, **Sherene A. James-Williamson**, Kenrick Mcfarlane, Nicole Nembhard, Stephanie Parker, Jared Quintal, Andre Reid, Odane Reid, Natalie Robinson, Sarah Shirt, **Thomas Stemann**, Herona Thompson,

Michael White, **Jullian C. B. Williams**, Leighton Williams. (2016). “Revision of Jamaican lithostratigraphic nomenclature decided at a stratigraphic workshop of the Jamaican Stratigraphic Committee at the 60th Anniversary of the Geological Society of Jamaica.” *Caribbean Journal of Earth Science*, Vol. 48, pp. 37–45.

- **Kevon Rhiney, Donovan Campbell and David Barker.** (2016). “Geographies of Vulnerability and Resilience of Rural Farming Communities in Jamaica to Climate Variability and Change: A comparative Analysis.” In D. Barker, D. McGregor, K. Rhiney and T. Edwards (Eds.), *The Caribbean Region: Adaptation and Resilience to Global Change*, pp. 89–114, UWI Press, Kingston, Jamaica.
- **Kevon Rhiney**, A. Eitzinger, A. D. Farrell and M. A. Taylor. (2017). “Assessing the vulnerability of Caribbean farmers to climate change impacts: a comparative study of cocoa farmers in Jamaica and Trinidad.” In E. Thomas-Hope (Ed.), *Climate Change and Food Security: Africa and the Caribbean*, pp. 59–69, Routledge, London and New York.
- **Rose-Ann Smith.** (2016). “Social Capital and Rural Resilience among the Garifuna Communities in Northeastern St. Vincent.” In D. Barker, D. McGregor, K. Rhiney and T. Edwards (Eds.), *Global Change and the Caribbean: Adaptation and Resilience*, pp. 161–178, UWI Press, Kingston, Jamaica.
- Thomas Steuber, Robert W. Scott, **Simon F. Mitchell**, Peter W. Skelton. (2016). “Part N, revised, volume 1, Chapter 26c: Stratigraphy and diversity dynamics of Jurassic–Cretaceous Hippuritida (rudist bivalves).” *Treatise Online* 81, pp. 1–17, 7 fig., 1 table.

### Technical Reports

- **Mike J. Burn** and R. Anderson. (2017). “A peat density survey of a mangrove wetland near New Court, Trelawny, Jamaica.” pp. 1–37, Commissioned by EnviroPlanners Ltd. on behalf of Royalton White Sands Resort.

## **PUBLIC SERVICE**

### **David Barker**

- External Examiner in Geography for the Joint Board of Teacher Education (JBTE).
- Editor, *Caribbean Geography*.
- Convenor, *CAPE Geography*.
- Editorial Committee *CaribXplorer Magazine*.
- Editorial Board *Caribbean Quarterly*
- Council member, Jamaican Geographical Society

### **Mike Burn**

- Editorial Board Member for the peer-reviewed journal Scientific Reports, for Springer Nature.

### **Donovan Campbell**

- IPCC Lead Author: selected to participate as a lead author for the Intergovernmental Panel on Climate Change (IPCC) Special Report on climate change, desertification, land degradation, sustainable land management, food security and greenhouse gas fluxes in terrestrial ecosystems.
- Academia Representative: Office of the Prime Minister's Environment Working Group under the Partnership for a Prosperous Jamaica (PPJ) initiative.
- Caribbean Representative: selected as Caribbean representative to participate in an international programme on Governance, Institutions and Water Metabolism.
- Small Island Developing States (SIDS) representative: selected to participate in a Global Marine Science Summit focused on coastal resilience and the Blue Economy.

### **Taneisha C. P. Edwards**

- Non-Departmental philanthropic activities: April 2016 to Present: Hosting the Caribbean Women Honors and Empowerment Groups

Kingston Chapter and maintain management duties as Assistant District Manager for the Kingston Chapter. This is a global initiative started in Toronto Canada and now establishing a presence in over 50 cities across the globe with a mandate to empower minorities, and especially women and girls. EmpowerHer Chat series every other month, held at various locations, Kingston Jamaica. website: [blackwomenawards.com](http://blackwomenawards.com)

**Sherene James-Williamson**

- President, Museums Association of the Caribbean
- Committee Member. GIS Enterprise Licence Agreement Management Support & Advisory Committee, National Spatial Data Management Division
- UWI Representative for the EU-LAC Virtual Museums Project
- UWI Representative, Land Information Council of Jamaica, National Spatial Data Management Division
- UWI Representative, National Restoration Committee, Mines and Geology Division
- Committee Member, National Declarations Committee, Jamaica National Heritage Trust

**Arpita Mandal**

- Elected to the Technical Committee of Global Water Partnership Caribbean (GWP-C)
- Council Member, Geological Society of Jamaica

**Simon F. Mitchell**

- Scientific Committee, International Congress on Rudist Bivalves.
- Scientific Committee, Caribbean Geological Conference.
- Editor, *UWI Contributions to Geology*.
- Language Editor, *Carnets de Geology*.
- Member, National Committee on Coastal Zone Management (NCOCZM).

- Chairman, Jamaican Stratigraphic Committee.

**Kevon Rhiney**

- External Examiner, College of Agriculture, Science and Education
- External Examiner, Joint Board of Teacher Education
- Editorial Board, *Caribbean Geography Journal*
- Council Member, Jamaican Geographical Society
- Member of the Steering Committee for the Climate Change Action Training (CCAT) Programme (USAID-funded Ja REEACH Project).
- Steering Committee Member, Global Water Partnership – Caribbean (GWP-C)
- Vision 2030 Jamaica – National Development Plan Thematic Working Group, Environment and Natural Resources Management/Sustainable Urban & Rural Development.
- Member, Inter-American Development Bank (IADB) Civil Society Consulting Group (ConSoc) Jamaica – *The Environment, Energy and Infrastructure* Thematic Group
- National Fisheries Policy Steering Committee: Climate Change and Disaster Risk Management sub-committee
- Elected to the Steering Committee for the Global Water Partnership (GWP-C)
- Re-appointed as co-chair for the Global Water Partnership (GWP-C) Technical Committee

**INCOME GENERATION**

Kevon Rhiney attracted funding for Crop Resilience-Crop Suitability Modelling. Pilot Program for Crop Resilience (PPCR), funded by the Ministry of Economic Growth & Job Creation and the Inter-American Development Bank. Amounting to J\$22,735,240.00. Collaborators: Aidan Farrell (UWI St. Augustine), Anton Eitzinger (CIAT), Leslie Simpson (Independent consultant) and Andre Haughton (UWI Mona).

The Earthquake Unit received a contribution of J\$104,000,000.00 (=US\$) towards seismic equipment, construction of accelerometer and seismic stations, upgrading the central control room and capacity building. The money was part of the World Bank Loan and administered by the Jamaica Social Investment Fund (JSIF).

## **STUDENTS**

### **Undergraduate Students: Geography**

Year I	129
Year II	40
Year III	29

### **Undergraduate Students: Geology**

Year I	96
Year II	42
Year III	22

### **Postgraduate Students**

MPhil Geography	6
MPhil Geology	6
PhD Geography	4
PhD Geology	2

## DEPARTMENT OF LIFE SCIENCES



**Dr. Dwight Robinson** BSc *UWI*, PhD  
Head of Department

**G**uided by the recommendations of the Quality Assurance Review completed in the previous academic year, the Department assessed, realigned and refocused its efforts as part of its continued commitment to achieving the goal of contributing to the University realizing its mission by making available, through excellence in teaching, research, outreach and public service, high quality education and training for Life Science students.

### **WORK OF THE DEPARTMENT**

The Department invested some time in reviewing the report from the Quality Assurance review of the Department that was completed in the previous academic year. Our response and an Action Plan were prepared and presented to the Faculty of Science and Technology Board and the Academic Board. Actions on several recommendations were also initiated.

## **STAFF MATTERS**

- Dr. Philip Rose and Dr. Margelette Tabanor successfully completed the Post-graduate Certificate in University Teaching and Learning offered by The Centre for Excellence in Teaching and Learning, UWI, Mona Campus.
- Dr. Jane Cohen was part of a collaborative research team, which included Dr. Andre Coy and Professor Michael Taylor from the Department of Physics, to obtain the Principal's Award for Best Research Publication, for the Faculty of Science and Technology. The article was titled, "Increasing the Accuracy and Automation of Fractional Vegetation Cover Estimation from Digital Photographs."
- Professor Mona Webber was appointed to the Science Advisory Committee of the Jamaica National Commission for UNESCO (2016–2019).
- Three members of staff were recognized for their long service to the UWI. They were Dr. Kurt McLaren and Dr. Dwight Robinson for 15 years and Dr. Jane Cohen for 21 years. Mr. Donald Simpson and Mr. Rodney Smith received the distinguished worker award at the Faculty's Awards ceremony held in March 2017.

## **GRADUATE MATTERS**

The department welcomed five new MPhil students and a new PhD student at the beginning of the 2016/2017 academic year.

Machel Emanuel, a PhD student, attended the 3rd All African Horticultural Congress held in Ibadan, Nigeria, August 7–16, 2016. He made an oral presentation and copped the ISHS student award for the best oral presentation.

## **UNDERGRADUATE MATTERS**

There were a total of 844 students registered in undergraduate programmes in the Department during the 2016/17 academic year. The major changes were a 14% increase in registration at level 0 and a 21% decrease in

registration at level 1 when compared to the previous year. The numbers in advanced courses remained relatively constant.

## **OUTREACH**

Through the Biology Student Association (BSA), the Department was involved in several outreach activities. These included the Annual Beach Cleanup exercise held on September 17, 2016 and the University's Club Fusion on Thursday, September 22, 2016.

Our Herbarium Curator, Mr. Patrick Lewis, provided regular assistance to the Jamaica Conservation Development Trust (JCDDT) with a botanical survey of several trails in the Blue Mountains and assisted the Jamaica Bauxite Institute (JBI) with plant identification by participating in a JBI field trip to Maggoty, St. Elizabeth to assess the status of abandoned bauxite ponds.

The Department teamed with the Faculty's Outreach and Development Unit to participate in several outreach activities. There was an increase in a request from preparatory and primary schools for students and their teachers to visit the Herbarium and Animal Museum in the Department. Over 100 guests were welcomed to the facilities during the year.

This year the Department held the first of what is expected to be an annual CAPE Biology Workshop. Forty-eight students from four schools participated. Both teachers and students expressed satisfaction with the workshop and requests for a workshop specifically for teachers were received.

As part of Life Sciences commitment to support local entities that have responsibility to manage Jamaica's natural resources, the Department, through Dr. Philip Rose and Mr. Patrick Lewis, hosted a one-day Dendrology workshop on common morphological characters used in plant identification for 25 Forest Rangers of the Forestry Department.

## **Port Royal Marine Laboratory (PRML)**

The PRML continued to play a very important role in supporting

teaching and research in Life Sciences as well as other Departments and Centres on the UWI Mona Campus. In 2017 the PRML facilitated the largest number of students conducting coral ecology lab classes whilst scuba diving in recent times. Postgraduate research has focused on coral reef health and water quality across the Port Royal Cays in collaboration with the Department of Chemistry. The Lab also provided support for the collection of specimens to the University of Technology, and logistical support throughout the year for monitoring activities undertaken by the National Environment & Planning Agency for the Iguana Conservation project. PRML continues to implement the CMS-run National Works Agency Palisadoes Mangrove Rehabilitation Project. In December 2016-January 2017 the PRML scientific team established the Port Royal Cays as a GCRMN location with coral reef health surveys across all the cays as the start of an annual monitoring programme and contribution to the regional GCRMN-Caribbean database. The PRML also hosted a range of external visitors including the Association of Caribbean States (ACS)/Korea International Cooperation Agency (KOICA) delegation to Jamaica on April 26, 2017. The purpose of the delegation's trip was to gain a better understanding of how Jamaica can be integrated into the ACS project – "Impact Assessment of Climate Change on the Sandy Shorelines of the Caribbean: Alternatives for its control and resilience". Other visitors included researchers from Woodshole Oceanographic Institute, Florida State University, and the board of the Alligator Head Foundation, Jamaica.

PRML supported the Department's outreach activity by hosting in excess of 100 visitors (mainly student from high schools across the island) to educational tours of the mangroves and surrounding environments together with the onsite Biodiversity Centre. Other outreach activities include coastal cleanups in the area (land-based and underwater). The outreach activities of the PRML led the PRML being selected as one of the 14 national Nuh Dutty Up Jamaica Cleanup Network Coordinators, specifically for the Port Royal Community.

### **Centre for Marine Sciences**

The Centre for Marine Sciences (CMS) through the Discovery Bay Marine Lab (DBML) provided support for training and research in marine biology and related disciplines by making its facilities available to local and international students and researchers. Some of the international students hosted were from institutions such as McMaster University, Stony Brook University and the University of Illinois.

The CMS in collaboration with the Inter-American Development Bank (IDB) planned and conducted the Coral Lifeline Workshop which was a part of the IDB's Coral Reef Restoration Program. The Coral Lifeline Workshop was the first of its kind in Jamaica as it sought to bring together scientist from the field of Marine Biology and Engineering, Non-Governmental Agencies, National Agencies and more importantly the Private Sector companies that had a vested interest in, as well as those whose livelihoods were linked directly to, the coastal and marine environment.

Members of the CMS and DBML participated in several training workshops during the year. These included the Compliance, Monitoring and Enforcement of the Ballast Water Management Convention held at the Caribbean Maritime Institute in August 2016 and the Guidelines in Conducting Port Biological Baseline Surveys Workshop hosted by the International Maritime Organization and the Maritime Authority of Jamaica in September 2016. Mrs. Marcia Creary Ford participated in the Caribbean Coastal Area Management (C-CAM) Foundation session that sought to discuss the proposed Management Effectiveness Tracking Tool (METT) for Southwest Cay Special Fishery Conservation Area in September 2016.

The DBML played a major role in increasing the awareness of young Jamaicans about the marine environment and factors affecting the health of the marine environment by making presentations at several schools as well as hosting teachers and students from primary, secondary and tertiary level educational institutions across the island at the Lab. Some of the institutions hosted included the Convent of Mercy, Servite Primary,

Ardenne High, Edwin Allen High, Herbert Morrison High, Frome Technical High, Jose Marti Technical High, Kellits High, Ocho Rios High, Port Antonio High, Wolmers' Boy's, Sydney Pagon STEM Academy, Brown's Town Community College, Knox Community College and Moneague College.

The CMS was involved in some new research activities during the year. One such activity was a collaborative effort with the International Centre for Environment and Nuclear Science (ICENS) to sample water columns of the Kingston Harbour for micro-plastics, zooplankton and fish larvae. Members of CMS and DBML also conducted Global Coral Reef Monitoring Network (GCRMN) Survey Dives in the Discovery Bay area in February 2016. Activities under the UWI/National Works Agency (NWA) Mangrove and Sand Dune Rehabilitation Project along the Palisadoes continued. Signs were erected along the Palisadoes (near the Gypsum pier) to increase the awareness of pedestrians and drivers about the mangrove replanting aspects of the rehabilitation work.

As the host of the only functional Hyperbaric Chamber in Jamaica, the DBML led by Mr. Camilo Trench (Hyperbaric Chamber Safety Officer) conducted the first in a series of Hyperbaric Chamber use and awareness workshops for the North East Regional Health Authority (NERHA) at the St. Ann's Bay Hospital and at the DBML. The one-day workshop was titled "Hyperbaric Medicine in Jamaica" and was an attempt to streamline hyperbaric medical treatment logistics and improve the appreciation for hyperbaric medicine in the main public hospitals receiving such patients. Approximately 30 doctors and nurses participated.

The CMS/DBML received funding (J\$5,000,000) through the IDB-Special Climate Change Adaptation Fund for the project titled: "Establishing one raceway system for growing fragmented coral for ecosystem restoration with flowing water maintained by renewable energy." The project is administered through the Environmental Foundation of Jamaica in collaboration with the Ministry of Economic Growth and Job Creation and is based at the DBML. Mrs. Marcia Creary Ford of the CMS was successful in her grant application to the Global Biodiversity Information Facility (GBIF). The project is entitled "Capacity Building for Biodiversity

Data Sharing through the Caribbean Coastal Data Centre (CCDC), Jamaica”. The project serves to contribute to the building of capacity in the CCDC to better organize and manage biodiversity data.

## PAPERS PRESENTED

- **Emanuel, Machel.** “Apio Inc. Greateh Way Modified-atmosphere technology of ackee fruit (*Blighia sapida*) arils: Effect of temperature on package O<sub>2</sub> and CO<sub>2</sub> during storage.” 3rd All African Horticultural Congress. Ibadan, Nigeria, August 7–16, 2016. Oral Presentation.
- **Tennant, Paula.** An insight into the development of virus resistant transgenic crops. UWI-UNUBIOLAC International Biotechnology Symposium on the “State of the Art and Future of Agrobiotechnology in Latin America and the Caribbean. August 8, 2016.
- **Palmer, S.E.** & Gayle, P.M.H. Calipers to 3D models: Measuring the survival and growth of 5 reef-building coral species on in situ tree nurseries, Discovery Bay, Jamaica. UWI-IDB Coral Reef Restoration Program, Coral Lifeline Workshop, August 16, 2016.
- **Gayle Peter.** Coral Restoration at the Discovery Bay Marine Lab, Jamaica – Best Approaches for local Nurseries and Outplanting. NOAA Workshop to Advance the Science & Practice of Caribbean Coral Restoration. Nov 15–17, 2016, Fort Lauderdale, Florida, USA.
- Dale R. Rankine, Michael A. Taylor, Tannecia S. Stephenson, **Jane E. Cohen**, Andre D. Coy and Rasheeda Hall-Hanson. 2016. “Agricultural Crop Production in a Drier Caribbean – Quantifying Future Impacts on Jamaican Sweet Potato Production.” Presented at the Intergovernmental Panel on Climate Change (IPCC) Outreach Workshop, co-hosted by the Ministry of Economic Growth and Job Creation of Jamaica and the University of the West Indies, November 30 – December 1, 2016, Kingston, Jamaica.
- Lee, M.F, Waugh, C., Brown, M.D., Noble, S., **Robinson, R.D.**, Walochnik, J. and Lindo, J.F. (2016). Emerging zoonotic parasitic diseases in Jamaica: progress and research gaps. Society for Scientific Advancement 5th Annual Conference “Towards Precision Medicine in the Caribbean”. Kingston, Jamaica.

- **Palmer, S.E**, Gayle, P.M.H., Anderson, D., Douglas, D-L., Charpentier, B., Charpentier, F., Trench, C., Francis, P., Henry, D., Creary-Ford, M., Thomas, S.L., Maddix, G-M., Buddo, D., Webber, D., Webber, M. 2017. Calipers to 3D models: Measuring the survival and growth of five reef-building coral species on *in situ* tree nurseries, Discovery Bay, Jamaica. Association of Marine Laboratories of the Caribbean 38th Scientific Conference. Mérida, May 2017.

## PUBLICATIONS

### Books, Book chapters & Monographs

- Amarakoon II, Hamilton CL, Mitchell SA, **Tennant PF**, Roye ME (2016) Biotechnology. In: S Badal and R Delgoda (eds) *Pharmacognosy: Fundamentals, Applications and Strategy*. Academic Press. pp 549-561.
- **Benkeblia, N.** (2016). Chromatographic techniques of mono- and di-saccharides analysis. In: A-C. Eliasson (Ed.). *Carbohydrates in Food*. CRC Press, Boca Raton (FL), pp. 1–17.
- C. Linardich, G. Ralph, K. Carpenter, N. Cox, D.R. Robertson, H. Harwell, A. Acero P, W. Anderson Jr., F. Barthelat, J.-L. Bouchereau, J. J. Brown, J. Buchanan, **D. Buddo**, B. Collette, M. Comerós-Raynal, M. Craig, M. Curtis, T. Defex, J. Dooley, W. Driggers III, C. Elfes Livsey, T. Fraser, R. Gilmore Jr., L. Grijalba Bendeck, A. Hines, R. Kishore, K. Lindeman, J.-P. Maréchal, J. McEachran, R. McManus, J. Moore, T. Munroe, H. Oxenford, F. Pezold, F. Pina Amargós, A. Polanco Fernandez, B. Polidoro, C. Pollock, R. Robins, B. Russell, C. Sayer, S. Singh-Renton, W. Smith-Vaniz, L. Tornabene, J. Van Tassell, J.-C. Vié, and J. T. Williams (2017). *The Conservation Status of Marine Bony Shorefishes of the Greater Caribbean*. Gland, Switzerland: IUCN. viii + 75 pp.
- Galbraith, A. and **Webber, M.** (2017). An Assessment of the effects of eutrophication on the Meiofauna Community of Kingston Harbour, Jamaica. In: F. Howell (ed). *Eutrophication: Causes, Mechanisms and Ecological Effects*. NOVA Publishers, USA. pp 1–57.

- **Tennant P** and Fuchs M (2016) Engineered Resistance to Viruses: A Case of Plant Innate Immunity. In: DB Collinge (ed) *Plant Pathogen Resistance Biotechnology*. John Wiley and Sons, Inc., USA. pp 155–170.

#### Refereed Journal Articles

- **Benkeblia, N.** (2016). Fructans and mineral nutrition. *Journal of Nutritional Therapeutics*, 5: 68–74.
- **Benkeblia, N.** (2016). Application of metabolomics to postharvest science of fresh crops. *CAB Reviews*, 11: 1–8.
- **Chin, D, Aiken, K. & D. Buddo.** (2016). Lionfish population density in Discovery Bay, Jamaica. *Intl. J. of Scientific & Engineering Research*, Vol.7 (12)
- Franck, A., **Lewis, P.**, Oberli, A., Haynes-Sutton, A., **Rose, P.**, & Campbell, K. (2017). The Jamaican endemic *Exostema orbiculatum* belongs to Erithalis (Rubiaceae). *Phytotaxa*, 297(3), 273–281.
- Lopez, M. G. and **Benkeblia, N.** (2017). Profiling of Short Chain Fructooligosaccharides (scFOS) of Two Ackee (*Blighia sapida* Koenig) Varieties Through Different Maturation and Ripening Stages. *Current Nutrition & Food Science*, 13: 37–42.
- **McLaren, K.**, S. Monroe and **B.S. Wilson** (2016). The Arctic oscillation, climatic variability and biotic factors influenced seedling dynamics in a Caribbean moist forest. *Ecology*, 97, 2416–2435.
- Morgan, K. and **Benkeblia, N.** (2017). Effects of modified atmosphere packaging (MAP) on microbiological and sensory quality of ackee fruit arils (*Blighia sapida* Koenig) stored under refrigerated regimes. *Packaging Research* 2: 12-21.
- Neetha Nanoth Vellichirammal, Purba Gupta, **Tannice A. Hall**, and Jennifer A. Brisson. (2017). Ecdysone signaling underlies the pea aphid transgenerational wing polyphenism. Proceedings of the National Academy of Sciences.
- **Nimrod, S.H.**, Easter-Pitcher, A., **Aiken, K.**, **Buddo, D.** & C. Franco. (2017). Status of *Diadema antillarum* populations in Grand

Anse Bay, Grenada, 30 years after mass mortality. *Bulletin of Marine Science*, 93 (3), 11pp.

- **O'Connor, AT., Robinson, D.**, Dasgupta, T.P. Aaron T. and Drouillard K. (2017) Bioaccumulation of Polychlorinated Biphenyls (PCBs) in Atlantic Sea Bream (*Archosargus rhomboidalis*) from Kingston Harbour, Jamaica. *Bull Environ Contam Toxicol.* doi:10.1007/s00128-017-2132-4
- **Philip E Rose, Keron C St. E. Campbell, Tracy Commock**, Nancy Korber, Janet Mosely Latham, Marianne Swan, Brett Jestrow, Javier Francisco-Ortega (2017). David Fairchild's Expedition to Jamaica on Board *Utowana*. *The Journal of the Torrey Botanical Society*, 144(2):139–152.
- **Prospere, K., K. McLaren**, T. Pienkowski and **B.S. Wilson** (2016). Assessing the status of an artisanal shrimp fishery in a Ramsar wetland in Jamaica: the effects of extreme La Niña episodes, elevated temperature and seasonality on landings. *Limnologica*, 59, 140–154.

## INCOME GENERATION

The CMS/DBML received J\$5,000,000 in funding through the IDB-Special Climate Change Adaptation Fund to establish a system for growing fragmented coral for ecosystem restoration using renewable energy.

## PUBLIC SERVICE

### Dr. Karl Aiken

- Board Member & Chair of Fish Sanctuaries, Sub-committee Fisheries Advisory Board of Ministry of Agriculture & Fisheries
- Member, Aquaculture Industry Advisory Board, Ministry of Agriculture & Fisheries.
- Member, Board of Directors of the Caribbean Coastal Area Management Foundation (CCAMF)
- Member, CITES Scientific Authority of Jamaica, NEPA

**Professor Noureddine Benkeblia**

- Associate Editor, *Canadian Journal of Plant Science*
- Member of the Canadian Society of Plant Science
- Member of the Organizing Committee of the 2nd Asian Horticultural Congress, 26–28 September, 2017, Chengdu, China.
- Member of the Organizing Committee of the International Conference on Food Technology and Nutritional Science, 26–27 June, 2017, Baltimore, MD, USA.

**Dr. Dayne Buddo**

- International Maritime Organization: Expert Task Force for Ballast Water Management Training
- Member, Regional Lionfish Committee
- Resource Scientist, Regional Ballast Water Task Force
- Member, National Fish Sanctuaries Committee
- Member, National Steering Committee for the Regional Invasive Species Project
- Member, National Invasive Species Working Group
- Board of Advisors, Ocean Foundation

**Dr. Jane Cohen**

- Member and Vice-chair, CITES Scientific Authority of Jamaica
- Member, Advisory Working Group on the Review of the Evaluation of Significant Trade, CITES
- Member, Jamaica Organic Agriculture Movement
- Member, Jamaican Society for Agricultural Sciences
- Member, Natural History Society of Jamaica
- Member, Plant Conservation Group, National Environment and Planning Agency (NEPA)
- Member, Plantwise National Steering Committee, CABI & Ministry of Agriculture & Fisheries, Jamaica

- Member, Soil Health Technical Working Group, Ministry of Agriculture & Fisheries

**Mrs. Marcia Ford**

- Chairperson, National Biodiversity Clearing House Mechanism Steering Committee
- Member, The Jamaica Statistical Society
- Member, Global Coral Reef Monitoring Network -Caribbean Steering Committee
- Member, International Society for Reef Studies Member
- Member, Caribbean Academy of Sciences
- Member, Technical Advisory Committee for Component 3 of the Pilot Program for Climate Resilience
- Council Member, Jamaica Institute of Environmental Professionals (JIEP)

**Mr. Peter Gayle**

- Chairman, Association of Marine Laboratories of the Caribbean (AMLC) Planning Subcommittee
- Member, Diving sub-group of the working group on Fisheries Management and related matters of the National Council on Oceans and Coastal Zone Management
- Member, National Fish Sanctuaries Network
- Reviewer, Revista de Biología Tropical & Wildlife Biology in Practice

**Dr. Eric Garraway**

- Advisor, Vincentian Students Association
- Member, Advisory Board, National History Division, Institute of Jamaica
- Member, Association of Tropical Lepidoptera
- Member, Natural History Society of Jamaica
- Member, Jamaican Iguana Working Group, NEPA

**Dr. Tannice Hall**

- Member, Natural History Society of Jamaica

**Dr. Eric Hyslop**

- Jamaica Clearing-House Mechanism Steering Committee, Institute of Jamaica
- Member, CSEC Subject panel in Biology
- Member, NEPA Endangered Animals Recovery working group
- Member, Jamaican Iguana Working Group, NEPA

**Dr. Kurt McLaren**

- Member, National Invasive Species Working Group, NEPA

**Dr. Suzanne Palmer**

- Member, Association of Marine Laboratories of the Caribbean (AMLC)
- Member, International Society for Reef Studies (ISRS)

**Dr. Dwight Robinson**

- Director, Caribbean Academy of Sciences, Jamaica Chapter
- Director, College of Agriculture Science and Education
- Deputy Chair, Protection of Plant Genetic Resources for Food and Agriculture Management Authority
- Chair, Pesticides Control Authority Pesticides Review Committee
- External Assessor for the Registration of Pesticides by the Pesticides Control Authority

**Professor Ralph Robinson**

- Board of Directors, Jamaica Agricultural Development Foundation
- Executive Member & Regional Rep, Bioethics Society of the English-Speaking Caribbean
- Justice of the Peace, St. Andrew, Jamaica
- Member, American Society of Parasitologists

- Member, Lay-Magistrates' Association of St Andrew, Jamaica
- Scientific Member, The National Bioethics Committee of Jamaica
- Member, Training Advisory Committee for UWI/The University at Buffalo's D43 application (Global Infectious Diseases Research Training Program) to the Fogarty International Center, National Institutes of Health, USA

**Dr. Philip Rose**

- Member, National Invasive Species Working Group, NEPA
- Member, American Society of Plant Taxonomists (ASPT)
- Member, Jamaica Institute of Environmental Professionals (JIEP)

**Professor Paula Tennant**

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists

**Mr. Camilo Trench**

- Coordinator/Member, Alloa Fisherman's Cooperative: Discovery Bay Special Fisheries Conservation Area Steering Committee

**Professor Mona Webber**

- UWI's representative, National Conservation Trust Fund of Jamaica (NCTFJ) Board
- Member, National Council on Ocean and Coastal Zone Management (NCOCZM)
- Co-chair, Diving Sub-Group, NCOCZM
- Member of the Board, Association of Marine Laboratories of the Caribbean
- Member, CITES, Scientific Authority of Jamaica
- Member, National Ramsar Committee
- Member, Jamaica Conservation Partners

**Professor Byron Wilson**

- Member, IUCN SSC Amphibian Specialist Group
- Member, IUCN SSC Boa and Python Specialist Group

**STUDENTS**

**Departmental Prizes to students**

Preliminary Biology, Don Skelding Prize	Sherrick Davis
1st year Biology, Charlotte Goodbody Prize	Jonathan Shepherd
Plant Diversity, Devi Prasad Prize	Tiffany Smith
Animal Diversity, Avinash Potluri Prize	Jaidene Webster
Plant Form, Sasikala Potluri Prize	Shanice Campbell
Plant Physiology, Lloyd Coke Prize	Stev Vaughn-Lee Chin
2nd year Zoology, Vincent Hugh McKie Prize	Ramona Jaggon
Ivan Goodbody Prize, Best 2nd year in Marine Biology Major	Jodi-Ann Chung

## DEPARTMENT OF MATHEMATICS



Dr. Conall Kelly, BSc, PhD, *Dublin City University*  
Head of Department

### WORK OF DEPARTMENT

During the year 2016–17, the Department of Mathematics submitted and received approval from the Board for Undergraduate Studies (BUS) for the **revised BSc Programme, Mathematics with Education Studies** to be offered at the start of the academic year 2017/18. The Department continues to collaborate with various departments in the Faculty, offering courses to suit the needs of the students.

The Department has recently suffered losses to its academic staff complement. Dr. Peter Palmer and Ms. Kimberly Boswell departed last year while Dr. Davide Batic departed effective January 1, 2017. Dr. Conall Kelly completes his term as a Head and will leave the Department effective July 31, 2017. In the 2016/17 academic year, Professor Alexandra Rodkina was awarded the status of Professor Emerita demitting the teaching staff of the department effective August 1, 2017. These losses

have restricted the ability of the department to offer a sufficiently wide selection of elective courses, particularly at Level III and the Graduate Level, have required the cancellation of streams in some instances and have lead to increasing class sizes of Level I and II courses. The department has advertised for three positions during the 2016/17 academic year and as of August 2017, three offers have been made.

The Department was honoured this year when it was given approval to host the **CIMPA** Research School under the theme “Representation Theory and Applications to Differential Equations”. This was held January 9–20, 2017 and coordinated by Dr. Dmitry Malinin and team. The Department hosted a number of International presenters and students. Short courses and research talks were delivered by 16 speakers. These were well received and the feedback from the participants was excellent.

Dr. Nagarani Ponakala, received the **TWAS-CAS Young Scientist Award** for 2016 jointly sponsored by The World Academy of Sciences (TWAS) and Caribbean Academy of Sciences (CAS). In the same year, she also received the **special award** from the Faculty of Science and Technology in response to her international recognition by Inter-American Network of Academics of Science (IANAS) as Young Women Scientist for the previous year. Dr. Conall Kelly, was awarded the **Most Outstanding Researcher** in the Faculty of Science and Technology by the Principal, UWI, Mona, in February 2017.

The Department held its 4th Annual Mathematics **Career Fair** in Chemistry Lecture Theatre 6, November 25, 2016. A total of 69 students registered, of which 31 participated. The companies which participated were: Victoria Mutual Building Society, Bank of Nova Scotia, Sagikor Life Jamaica Limited, Financial Services Commission and Jamaica Stock Exchange. The feedback received from both students and companies was commendable.

The Department of Mathematics has a formal **Internship Programme** which was piloted in the 2011/12 academic year. The programme places suitable students with qualified employers in financial services, regulatory

services and consulting amongst other fields for the summer period. Launched on the May 25, 2017, with an orientation seminar, the programme received 56 applications from which 15 students were placed.

The Mathematics **Bridging Programme** has been a feature of the Mathematics Department in the Faculty of Science and Technology since 2009. Over the past few years this programme has been coordinated by Mr Ajani Ausaru. The programme sets out to prepare students for the rigors of university level mathematics by reinforcing their basic mathematical skills. With the support and guidance of highly-qualified tutors, students work intensively in a group of no more than six. For the academic year 2016–17, 19 students registered for the programme. Some students were quite consistent in their attendance, and others sporadic (in particular after the midterm exams started). The students appreciated the classes and showed keen interest. The program ran for 9 weeks.

The Department of Mathematics organizes two national mathematics competitions annually. These are sponsored by the Office of the Principal at the UWI, Mona Campus and coordinate by Dr. Raymond McEachin.

The first competition is the **Jamaican Mathematical Olympiad**. This is a competition for high school students throughout the country. In the 2016-17 school year, a total of 1658 students from high schools entered the Olympiad. After the final national championship round, the Department selected a team of three students to represent Jamaica in the Central American and Caribbean Mathematical Olympiad. It was held from June 14–22, 2017, in San Ignacio, El Salvador. Jamaica placed 8th out of 14 participating countries. Although no student won a medal this year, each one earned an Honourable Mention.

The **Junior Mathematical Olympiad** is a competition for students in Grades 4–6 throughout Jamaica. In the 2016–17 school year, a total of 5,904 students from 156 schools participated. This was held in three rounds. After the final round the Department named national champions and bestowed Honourable Mentions and Merit Awards on the top 10% of the competing students.

## PRESENTATIONS

### Invited Talks

- **A. Rodkina**, Stochastic difference equations with the Allee effect, The 23rd International Conference on Difference Equations and Applications, Timisoara, Romania, July 24–28, 2017
- **A. Rodkina**, The International Conference – Analysis and Partial Differential Equations, Imperial College, London, UK, September 25–30, 2016.
- **C. Kelly**, *Introduction to stochastic difference equations*, CIMPA School held in at the University of the West Indies, Mona Campus, under the theme Representation theory and Applications to Differential Equations, January 9–20, 2017.
- **C. Kelly**, *Stabilisation of positive equilibria in population models with noisy prediction based control*, Probability Seminar, Department of Mathematics, April 2017, Texas A&M University, Texas, USA.
- **D. Malinin**, *Integral representations*, CIMPA, UWI, Mona, January 9–20, 2017.
- **D. Malinin**, On the arithmetic of integral representations, Spa, Belgium, Groups, Rings and the Yang-Baxter Equation, June 23, 2017.
- **N. Ponakala**, Study of unsteady convective diffusion in an annulus, International conference on Fluid Dynamics and its applications, B.N.M. Institute of Technology (BNMIT), Bangalore, July 12–14, 2017
- **N. Ponakala**, *Mathematical Modeling of Physiological flows*. CIMPA, UWI, Mona, January 9–20, 2017
- **N. Ponakala**, *Understanding Physiological Situations with Modelling* at the Caribbean Academy of Sciences 20th general meeting and Biennial conference 24th–26th November 2016, Guadeloupe.

## PUBLICATIONS

## Journal Papers

- E. Braverman, **A. Rodkina**, “Stochastic difference equations with the Allee effect”, *Discrete and Continuous Dynamical Systems – Series A*, Vol. 36, 11 (2016), 5929–5949, DOI:10.3934/dcds.2016060.
- E. Braverman, **C. Kelly**, & **A. Rodkina**, “Stabilisation of Difference Equations with Noisy Prediction-Based Control”, *Physica D: Nonlinear Phenomena* 326 (2016) 21–31, DOI: 10.1016/j.physd.2016.02.004
- E. Braverman, **A. Rodkina**, “Stabilisation of Difference Equations with Noisy Proportional feedback control”, *Discrete and Continuous Dynamical Systems – Series B*, (2017) 22(6), 2067-2088, doi:10.3934/dcdsb.2017085.
- **Cónall Kelly** and Gabriel Lord, “Adaptive timestepping for nonlinear stochastic systems”, *IMA Journal of Numerical Analysis*, (2017), Preprint available at <https://arxiv.org/abs/1610.04003>.
- M. Tessarotto, M. Mond, and **D. Batic**, “Hamiltonian structure of the Schrödinger classical dynamical system”, *Found. Phys.* 46 (2016), no. 9, 1127–1167.
- **D. Malinin**, “The integral and globally irreducible representations of finite groups”, *Journal of Algebra and its Applications*, (2017).
- **P. Nagarani** and B.T. Sebastian, “Effect of flow unsteadiness on dispersion in Non-Newtonian fluid in an annulus”, *J. Appl. Math & Informatics*, 35(2017), no. 3-4, 241-260. <https://doi.org/10.14317/jami.2017.241>.

## Refereed Conference Proceedings

- Marneni Narahari, S. Suresh Kumar Raju and **P. Nagarani**: “Joule heating effects on unsteady natural convection flow near a moving semi-infinite vertical plate with variable heat flux and mass transfer”, AIP Conf. Proc. 1787, 020005 (2016); <http://dxdoi.org/10.1063/1.4968054>

## PUBLIC SERVICE

### A. Rodkina

- A reviewer of Zentralblatt für Mathematik – Mathematics Abstracts.
- Reviewed papers for several of international mathematical journals, including: Stochastic and Stochastic Reports, Dynamics of Discrete and Continuous Systems, *Journal of Applied Mathematics and Stochastic Analysis*, *Mathematical and Computer Modelling*, *Journal of Computational and Applied Mathematics*, *Computational and Applied Mathematics*, *Difference equations and Applications*.
- Chaired the sessions at the 23rd International Conference on Difference Equations and Applications, 2017, July, Romania.

### C. Kelly

- Served as a reviewer of standards for undergraduate degrees in the natural and mathematical sciences for the University Council of Jamaica in June 2017
- Became an external examiner for the School of Mathematics and Statistics, UTech from March 2017

### D. Malinin

- Reviewed the articles for the journals, *Journal of Mathematical Sciences*, *Journal of Algebra*, *J. "Algebra i Analiz"*.

### N. Ponakala

- Reviewed the articles for the journals, *Indian Journal of pure and Applied Mechanics*, *Acta Mechanica*; *Journal of Applied Fluid Mechanics* and *Ain Shams Engineering Journal*, Elsevier Publ.
- Chaired a technical session, The Caribbean Academy of Sciences 20th general meeting and Biennial Conference 24–26 November, 2016, Guadeloupe; International conference on Fluid Dynamics and its applications, B.N.M. Institute of Technology (BNMIT), Bangalore, July 12–14, 2017
- A Committee member for judging the conference presentations for

the selection of best Presentation at The Caribbean Academy of Sciences 20th general meeting and Biennial conference 24–26 November, 2016 Guadeloupe.

- Served as Independent external examiner for courses for School of Mathematics and Statistics, University of Technology, Jamaica.
- Served as a Member, Board of External Examiners, The University of the West Indies, St. Augustine Campus, Trinidad and Tobago

## STUDENTS

The department has graduated an average of 73.8 B.Sc. students per year with a major or minor in Mathematics; Majors in Actuarial Sciences, Mathematics with Education Studies, Mathematics and Economics and Mathematics & Modelling Processes.

For the past 5 years, a total of 396 students graduated from the department. This is broken down as follows:

2012	2013	2014	2015	2016
62	105	74	69	86

In November 2016, a total of 13 students graduated with First Class Honours degree.

## Information on Students

A breakdown by programme is provided in the following table:

Year	Math	Actuarial Sci.	Math/ Ed	Math/ Econ	Math/ Modelling	Total
2012/13	18	26	6	10	2	62
2013/14	19	38	18	26	4	105
2014/15	8	57	2	3	4	74
2015/16	7	56	1	2	3	69
2016/17	15	63	3	1	4	86

Source: UWI Banner downloaded May 2017

## **SUMMER SCHOOL**

The department offered 25 courses for summer 2017. Some of these course were offered as exams only to facilitate students who wanted to graduate.

## **GRADUATE PROGRAMMES**

### **MSc ERM**

The Department of Mathematics, jointly with the Mona School of Business commenced the MSc Enterprise Risk Management (MSc ERM) in September 2012. A total of 9 students (cohort 4) is expected to graduate in November 2017. At the beginning of the academic year a total of 14 students (cohort 5) were registered.

### **MSc Mathematics**

In November 2016, a total of 9 students graduated from the MSc Mathematics programme. There was a decrease were seen in the number of students accepted to the MSc Mathematics programme with only 5 students were registered in that batch.

### **MPhil and PhD**

For the academic year 2016/17, 10 students registered for the MPhil and PhD programmes broken down as follows:

PhD     2

MPhil   8

During the 2016/17 academic year Mr. Andre Small graduated with an MPhil degree with High Commendation. Mr. Dominic Mills-Howell was named as one of 100 outstanding Young Global Changers from an application pool of 1300 candidates from 140 different countries. This scholarship enabled him to attend the Think 20 Summit – GLOBAL SOLUTIONS from 29–30 May 2017, in Berlin, Germany. One Ph.D and three M.Phil students submitted their thesis for examination process.

## DEPARTMENT OF PHYSICS



**Dr. Tannecia Stephenson, BSc, PhD *UWI***  
Head of Department

### OVERVIEW

Undergraduate curricular reform, staff recruitment and increasing research output were among the primary objectives for the 2016/17 academic year. Additionally, undergraduate forums and outreach activities to high schools and community colleges remain a priority.

### Undergraduate Curriculum

The “Physics in Practice Internship” (PHYS3400) course was approved and launched for the 2016–2017 Summer Semester. This 3-credit course introduces students to practical aspects of the working environments in which they may be employed upon graduation. Four students successfully completed the course. A Bachelor of Education Programme (66 credits) was designed in collaboration with the School of Education to meet the demand for an in-service teaching training programme.

## Department of Physics

Student satisfaction with teaching continues to be generally high. The number of undergraduate students pursuing introductory and advanced level courses have shown some decline. The Department in partnership with the Mona School of Engineering continues to induct new and returning students with exceptional academic performance into the Physics and Engineering Honours Society. This year 25 Physics students were inducted. Approximately 26 students completed the requirements for majors or minors within the Department. Four students will graduate with First Class Honours.

One member of staff was added to the academic staff complement. Dr. Randy Koon Koon joined with a specialization in Renewable Energy.

### **Research and Graduate Activity**

The five Research Groups are active and continue to attract new grants. Research areas include Statistical and Dynamical Downscaling of Climate Data, Evaluation of Renewable Energy Technologies and modelling Renewable Energy Resources, Examination of the effect of wireless device use on human health in realistic environments, Compact Stars in General Relativity and Astrophysics, BioGlass, Novel Applications of Optics, Human Speech Recognition, Detection of Trace elements in BioSamples and Compartment Fire Dynamics and Modelling.

The Department produced 27 publications, 12 more than the previous year. This suggests a publication rate of 2.5 publications per staff member. Ten of the publications were co-authored by Graduate Students.

Graduate enrolment was 34 Research Students and 22 MSc Students. One PhD was awarded: Kimberly Stephenson; and three MPhil's: Mr. Sameer Simms, Mr. Sanja Simmonds and Mr. Dudley Williams.

Under the Investment Plan for the Caribbean Regional Track of the Pilot Program for Climate Resilience (PPCR) funded by the Inter-American Development Bank, a high performance computing and storage system was acquired at an approximate cost of US\$750,000 and dubbed S.P.A.R.K.S. (Scientific Platform for Applied Research and Knowledge Sharing).

### **Internships and Exchanges**

Under the Caribbean Catastrophe Risk Insurance Facility (CCRIF) Internship programme, postgraduate students Mr. Deron Maitland and Mr. Leaford Henderson received internships to the Climate Studies Group, Mona.

Miss River Providence, a finalizing student with majors in Energy & Environmental Physics and Mathematics participated in a 4 week course in Japanese Studies at the Sophia University in Tokyo.

### **Outreach and Public Service**

The Department hosted its Annual CAPE Workshop for high school students. The workshop was held at Mona Campus on January 9–13, 2017 and at Western Jamaica Campus on January 5–6, 2017. Over 1000 sixth form students attended from over 30 high schools. Throughout the year, the Department accommodated visits from high schools to facilitate laboratory exercises. The Department continues to actively participate in varied Outreach Activities of the Faculty and University. These include Research Days 2017, Relay for Life 2017 and “Science in the Home” held at the Maxfield Park Children’s Home.

### **Pre-Labour Day Activities**

Pre-labour day activities were held on Friday, May 19, 2017. Efforts included planting and installation of irrigation in a section of the Physics Quadrangle as well as the commencement of the remarking of the Physics Parking Lot.

### **Staff Development**

Ms. Natalie Mclean and Mr. Andre Gordon successfully completed a Construction Project Leadership workshop at the Mona School of Business Management (MSBM).

The Department hosted its Annual Dinner in December 16, 2016 and its annual Retreat on June 30, 2017.

## Recognitions and Awards

- Mr. Chadwick Barclay placed first in the category of ‘Youth’ and received an award for “National Innovation in Science and Technology 2016.” Mr. Barclay developed a navigation aid for the blind as part of his final year project while pursuing a Bachelor of Science in Electronics Engineering. The tool uses speech recognition technology to enable users to request and receive directions to specific landmarks.
- Professor Michael Taylor delivered the Annual Chevening Lecture for the British High Commission on October 5, 2016. The title of the lecture was “Climate Change and Development”. Professor Michael Taylor was also selected as one of the Coordinating Lead Authors for Chapter 3 (Impacts of 1.5°C global warming on natural and human systems) in the IPCC Special Report on Global Warming of 1.5°C.)
- Miss Marva Anderson was acknowledged on December 13, 2016 for 21 years of service to the Department of Physics.
- The UWI Annual Research Day Awards Ceremony was held on February 3, 2017. Recipients of awards included:
  - Dr. Andre Coy, Dr. Dale Rankine and Professor Michael Taylor – Best Research Publication
  - Dr. Venkateswara Penugonda – Most Outstanding Researcher
  - Professor Michael Taylor – Research Project attracting the Most Research Funds
- Drs. Louis-Ray Harris and Venkateswara Penugonda were featured in the UWI Research for Development 2017 Publication. The research efforts of Drs. Louis-Ray Harris and Tanya Kerr were highlighted in the UWIMONA Gleaner supplements. Mr. Yekini Wallen-Bryan was also featured in relation to his Plug-N-Pree innovation. Mr. Wallen-Bryan created a *device that can control, monitor, and economize electricity usage remotely using a smartphone. The device also features motion sensor technology to support the user’s home security.*
- Dr. Penugonda was recognized by the International Institute of

Education and Management in New Delhi, India for his teaching accomplishments.

- Dr. Andre Coy was elevated to the level of Senior Member of the IEEE.
- Dr. Kimberley Stephenson was officially awarded her PhD Degree in March 2017. Her thesis entitled “Modelling the Impact of Climate Change on a Dry Forest Fauna”, supervised by Professors Michael Taylor and Byron Wilson.
- Mrs. Rosalene Simmonds completed a Master of Science in Human Resource Development.

Fullbright Scholarships were awarded to four UWI graduates for commencement of their Ph.D research in 2017/2018. Three of the four awardees were from the Department of Physics. Ms. Jhordanne Jones will pursue a Ph.D. in Atmospheric Science with a focus on tropical cyclones and meteorology at Colorado State University. Ms. Joni Hall will pursue a PhD in Energy Studies and Engineering at the University of Tennessee, Knoxville. Mr. Daren Watson will pursue a Ph.D. in Engineering at the University of Central Florida. Miss Savanna Lloyd was the recipient of a scholarship to pursue MSc. studies in Japan.

Ms. Phylcia Ricketts was one of the top three Oral Presenters in the Post Doctor/Student session at the Commonwealth Science Conference held in Singapore in June 2017. She also received The Royal Society travel grant valued up to £6000 to conduct research at any commonwealth country.

### **Departmental Statistics**

Total Undergraduate Student Registrationsm (See table on page 415).

### **Postgraduate Student Enrolment**

There are twenty-nine (29) students (F/T and P/T) enrolled in MPhil Programmes and six (6) students enrolled in PhD Programmes. There are twenty-two M.Sc. students (across all years).

## Department of Physics

**Table 1:** Total Undergraduate Student Registrationsm

	Semester 1		Semester 2		Year Totals	
	Current	Previous	Current	Previous	Current	Previous
Preliminary	88	86	54	65	142	151
Intro Physics	94	120	84	93	178	213
Intro Engineering (for Electronics & Computer Science)	–	–	4	–	4	–
Intro Electronics	51	48	107	65	158	113
Year II	115	261	126	213	241	474
Year III	63	128	75	139	138	267
<b>Total</b>	<b>411</b>	<b>643</b>	<b>450</b>	<b>575</b>	<b>861</b>	<b>1218</b>

### Prizes Awarded

The following undergraduate students were recipients of Departmental Prizes.

- The Professor John Lodenquai Prize for Introductory Physics: Mr. Andrew McCartney;
- Level II – Departmental Prizes: Mr. Delando Grant and Miss River Providence;
- Michael Tharmanathan Physics Bursary: Mr. Isaac Alfred.

### UWI Postgraduate Scholarships

Nine (9) postgraduates were awarded scholarships to read for their M.Phil. and Ph.D. Degrees. These included Mr. Barrington Brevitt, Dr. Adwalia Fevrier-Paul, Mr. Davaugh Sanderson, Mr. Karlus Redway, Mr. Sanchez Palmer, Miss Savannah Lloyd and Mr. Daren Watson. Returning students on scholarship are Mr. Alton Daley and Mr. Darrion Walker.

### Significant Funding

- State of the Climate Jamaica 2016. Pilot Programme for Climate Resilience (PPCR): Jamaica (2017). US\$25,000.
- State of the Climate Caribbean 2016. Caribbean Development Bank (CDB) (2017). EU\$250,000.
- The Caribbean 1.5 Project. Caribbean Development Bank (CDB) (2017). US\$40,000.
- US Virgin Islands Climate Change Vulnerability Assessment. US Department of Interior Grant Award Number D18AP0048 (2017). US\$250,000
- National Climate Change Conversations. United Nations Development Programme (UNDP) (2017). US\$10,000.

### PUBLICATIONS

#### Book Chapters

- **M. A. Taylor, J. Jones and T. Stephenson**, 2017: Climate Change and the Caribbean: Trends and Implications. In *Climate Change and Food Security: Africa and the Caribbean*. Elizabeth Thomas-Hope (ed). Routledge Publishers.
- K. Rhiney, A. Eitzinger, A. Farrell and **M. A. Taylor**, 2017: Assessing the Vulnerability of Caribbean Farmers to Climate Change Impacts: A Comparative Study of Cocoa Farmers in Jamaica and Trinidad. In *Climate Change and Food Security: Africa and the Caribbean*. Elizabeth Thomas-Hope (ed). Routledge Publishers.

#### Journal Articles

- V. Himarnaheswarea Rao, P. Syam Prasad, **V. Penugonda**, L. F. Santos, N. Veeraiah, 2016: Influence of Sb203 on tellurite based glasses for photonic applications, *Journal of Alloys and Compounds* 687 (2016) 898-905, <http://dx.doi.org/10.1016/j.jallcom.2016.06.256>  
**IF 3.133**

- **P. Ricketts**, N. Basu, H. Fletcher, **M. Voutchkov**, B. Bassaw, 2016: Assessment of fish consumption and mercury exposure among pregnant women in Jamaica and Trinidad & Tobago. *Chemosphere*. <http://dx.doi.org/10.1016/j.chemosphere.2016.08.054> **IF 3.137**
- N. A. Mahammedia, **M. Ferhat**, R. Belkada, 2016: Prediction of indirect to direct band gap transition under tensile biaxial strain in type-I guest-free silicon clathrate Si<sub>46</sub>: *A first-principles approach, Superlattices and Microstructures* <http://dx.doi.org/10.1016/j.spmi.2016.09.026>, **IF: 2.117**
- D. Martínez-Castro, A. Vichot-Llano, A. Bezanilla-Morlot, A. Centella-Artola, **J. Campbell** and C. Vilorio-Holguin, 2016: Performance of RegCM-4.3 over the Caribbean region using different configurations of the Tiedtke convective parameterization scheme. *Revista De Climatologia* Vol 16 pp 77–98. URL: <http://webs.ono.com/reclim11/reclim16f.pdf>
- **T. J. Kerr**, **L. Myers**, K. Duncan, 2017: Raman Microspectroscopic Mapping: A Tool for Identification of Fused Materials in Fire Debris. *Journal of Forensic Sciences*. DOI: 10.1111/1556-4029.13417. **IF 1.127**
- E. Margui, **P. Ricketts**, H. Fletcher, A. Karydas, A. Migliori, J. Jose Leani, M. Hidalgo, I. Queralt, **M. Voutchkov**, 2017: Total Reflection Fluorescence as a Fast Multielemental Technique for Human Placenta Sample X-Ray. *Spectrochimica Acta Part B: Atomic Spectroscopy* [.dx.doi.org/10.1016/j.sab.2017](http://dx.doi.org/10.1016/j.sab.2017). **IF 2.098**
- **P. Ricketts**, H. Fletcher, **M. Voutchkov**, 2017: Factors Associated with Mercury Levels in Human Placenta and the Relationship to Neonatal Anthropometry in Jamaica and Trinidad & Tobago. *Reproductive Toxicology*. DOI: 10.1016/j.reprotox.2017.04.008. **IF 2.850**
- **D. Watson**, **Y. Binnie**, K. Duncan, J.F. Dorville, 2017: Photurgen: The Open Source Software for the Analysis & Design of Hybrid Solar Wind Energy Systems in the Caribbean Region. A brief introduction to its development policy. *Energy reports*. <http://dx.doi.org/10.1016/j.egyr.2017.03.001>.

- **R. Koon Koon**, I. Haraksingh, L. Ufodu, 2017. Preliminary Findings into Thermal Properties of Specific Stratigraphy for Geothermal Energy Prospecting Along the Williston Basin. *Universal Journal of Geoscience*, Vol. 5(4), 91–8. DOI: 10.13189/ujg.2017.050402.
- **M. Taylor, K. A. Stephenson**, 2017: Impacts of Climate Change on Sea Temperature in the Coastal and Marine Environments of Caribbean Small Island Developing States (SIDS), Caribbean Marine Climate Change Report Card: *Science Review* 2017, pp 23–30.
- P. Buckley, B. Townhill, U. Trotz, K. Nichols, P. Murray, C. Clarke, A. Gordon, **M. A. Taylor**, CMEP (2017), Caribbean Marine Climate Change Report Card 2017. *Commonwealth Marine Economies Programme*, 12 pp.
- **R. K. Stennett-Brown, J. J. P. Jones, T. S. Stephenson, M. A. Taylor**, 2017: Future Caribbean temperature and rainfall extremes from statistical downscaling. *Int. J. Climatol.* doi:10.1002/joc.5126. **IF 3.609**
- **D. Walker, M. Voutchkov**, C. McKenzie, H. Barned, 2016: Radiation Safety Standards for X-Ray Facilities: Protocol for Plain Radiography Authors: DOI: 10.7727/wimj.2016.200 *West Indian Medical Journal* <http://myspot.mona.uwi.edu/fms/wimj/article/2938>. **IF 0.224**
- **D. C. Walker**, W. D. Aiken, S. Shah, **M. K. Voutchkov**, L.-G.M. Burnett, A. Gordon, C. A. McKenzie, 2017: Radiation Dose Distribution for Patients Undergoing Routine Radiological Scans for Kidney Stone Diagnosis at the University Hospital of the West Indies. *West Indian Medical Journal*. DOI: 10.7727/wimj.2016. **IF 0.224**
- **T. S. Stephenson, M. A. Taylor**, A. R. Trotman, C. J. Van Meerbeeck, A. O. Porter, S. Etienne– LeBlanc, M. Hernández, I. T. Gonzalez, V. Cutié, D. Boudet, C. Fonseca, S. Willie, J. M. Spence, K. Kerr, G. Tamar, **R. Stennett-Brown** and **J. D. Campbell**, 2017: [Regional Climates] Caribbean [in State of the Climate in 2016]. *Bull. Amer. Meteor. Soc.*, 98 (8), S93-S98, doi: 10.1175/2017BAMS StateoftheClimate. **IF 7.929**

- **T. S. Stephenson, J. P. Jones**, 2017. The impact of climate change on extreme events in coastal and marine environments of Caribbean Small Island Developing States (SIDS). Caribbean Marine Climate Change Report Card: *Science Review* 2017, pp 10–22
- W. J. Gutowski Jr., F. Giorgi, B. Timbal, A. Frigon, D. Jacob, H.-S. Kang, K. Raghavan, B. Lee, C. Lennard, G. Nikulin, E. O'Rourke, M. Rixen, S. Solman, **T. Stephenson**, F. Tangang 2016: WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. *Geosci. Model Dev.*, 9, 4087-4095. **IF 3.458**
- M. Loucif Seiad, V. K. Mkuppuswamy, Y. Cao, R. Gronheid, **M. Ferhat**, 2017: Dynamic behaviour in the self-assembly process of cylindrical phase PS-b-PMMA block copolymer. Materials Science in *Semiconductor Processing*, Vol 66, pp.26. <http://doi.org/10.1016/j.mssp.2017.03.035>, **IF: 2.264**
- **R. Koon Koon**, L. Ufodu, 2017: “Mathematical Modelling of the Thermomechanical effect of Geofluid on Fracture walls.” *Universal Journal of Geoscience*, Vol5(3), 73– 82. DOI: 10.13189/ujg.2017.050304.
- T. Satyanarayana, M. Vasu Babu, G. Nagarjuna, D.V. Rama Koti Reddy, **P. Venkateswara Rao**, P. Syam Prasad, 2017: Structural investigations on P2O5-CaO-Na2O-K2O: SrO bioactive glass ceramics. *Ceramics International* 43, 10144–10150, ISSN: 0272-8842. **IF: 2.758**
- V. Himamaheswara Rao, P. Syam Prasad, M.Mohan Babu, **P. Venkateswara Rao**, T. Satyanarayana, Luís F. Santos, N. Veeraiah, 2017: “Spectroscopic studies of Dy3+ ion doped tellurite glasses for solid state lasers and white LEDs” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 188, 516–524, ISSN: 1386-1425. **IF: 2.536**
- L. Srinivasa Rao, **P. Venkateswara Rao**, M.V.N.Vasu Deva Sharma, N. Veeraiah: “J-O parameters versus photoluminescence characteristics of 40Li2O-4MO (MO=Nb2O5, MoO3 and WO3)-55B2O3:1Nd2O3 glass systems” *Optik* 142 (2017) 674–681, ISSN: 0030-4026, **IF: 0.742**

- F. Goumeidane, M. Iezid, B. Melik, K. Ouannes, M. Legouera, M. Poulain, T. Satyanarayana, P. Syam Prasad, **P. Venkateswara Rao**, 2017: “Influence of molybdenum oxide on structural, optical and physical properties of oxychloride glasses for nonlinear optical devices” *Ceramics International* 43, 11305–11311, ISSN: 0272-8842.s **IF: 2.758**
- L. Srinivasa Rao, **P. Venkateswara Rao**, T. Venkataappa Rao, Sd. Naheed “ Structural and Optical properties of Zinc magnesium oxide nanoparticles Synthesized by Chemical co-precipitation” *Materials Chemistry and Physics* 203 (2017) 133–140, ISSN: 0254-0584 **IF: 2.084**
- V. Himamaheswara Rao, P. Syam Prasad, M.Mohan Babu, **P. Venkateswara Rao**, G Nagaraju, Luís F. Santos, N. Veeraiah: ” Luminescence properties of Sm<sup>3+</sup> ions doped heavymetal oxide tellurite-tungstate-antimonateglasses” <http://dx.doi.org/10.1016/j.ceramint.2017.09.028>. **IF: 2.536**

## CONFERENCE PROCEEDINGS

- **L.R. Harris**, “SAR Computation for Multiple Wearable Antennas”, *Proceedings of Progress In Electromagnetics Research Symposium (PIERS) 2016*, Shanghai, China, pp. 4040–4083, August 2016.
- P. Green, R. Marxer, S. Cunningham, H. Christensen, F. Rudzicz, M. Yancheva, **A. Coy**, M. Malavasi, L. Desideri, F. Tamburini, CloudCAST – Remote Speech Technology for Speech Professionals. In *Proceedings of Interspeech 2016*.
- R. Belkada, N.A. Mahammedi and M. Ferhat “ A comparative study of the effect of strain on the Electronic and Optical Properties of filled and unfilled Ba<sub>8</sub>Si<sub>46</sub> type-I clathrate” *The 3rd International Conference on Computational and Experimental Science and Engineering, ICCESN2016*, Kemer-Antalya, Turkey.

## **PUBLIC SERVICE**

### **Andre Coy**

- Member, International Speech Communication Association
- Convener, Physics Panel for Caribbean Examination Council
- Reviewer Journals, *IEEE Transactions on Audio, Speech and Language Processing*, *Computer Speech and Language*, *Instrumentation Science & Technology*
- Member IEEE Signal Processing Society
- Member IEEE Communications Society
- Member STEM Integration Committee – Ministry of Education
- Advisor to the Ministry of Education – Core Curriculum Unit

### **Victor Douse**

- Chairman, Cement Technical Committee, Bureau of Standards
- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC)
- Chairman, Aggregates Technical Committee
- Vice Chairman, Building and Associated Materials Committee.

### **Louis-Ray Harris**

- Member IEEE Electromagnetic Compatibility Society
- Member IEEE Antennas and Propagation Society
- Reviewer, *International Journal of microwave and Wireless Technology*
- Member, Scholarship Award Committee for Government of Japan
- Member, Programme Council, Faculty of Electrical Engineering, Silesian University of Technology, Poland

### **Leary Myers**

- Chairman, Town and Country Planning Advisory
- Member, Board, Transport Authority

**Tanya Kerr**

- Member, Board, Editorial Advisory Journal, ‘Sample Preparation’ de Gruyter open

**Tannecia Stephenson**

- Member, CORDEX Science Advisory Team, Joint Scientific Committee of the World Climate Research Programme (WCRP);
- Member, Task Team on Guide to Climatological Practices (TT-GCP) of the World Meteorological Organization (WMO) Fifth Open Panel of the Commission for Climatology (CCI) Experts (OPACE 5)
- Reviewer Journals: *International Journal of Climatology*, *Journal of Climate*

**Michael Taylor**

- Member, Board, Water Resources Authority
- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change
- Member, International Science Panel of VAMOS/CLIVAR
- Member, Steering Committee, Pilot Project on Climate Resilience (Caribbean)
- Reviewer Journals: *Journal of Geophysical Research*, *International Journal of Climatology*, *Journal of Climate*, *Climate Dynamics*, *Theoretical and Applied Climatology*, *Tellus A*.

**Mitko Voutchkov**

- Member, Board, International Centre for Environmental Nuclear Science (ICENS)
- Member, Jamaica’s Energy Council, Ministry of Science Technology, Energy and Mining
- Life Member, International Society of Environmental Geochemistry and Health
- Chairman, Technical Advisory Committee “In-situ Methods for Characterization of Contaminated Sites”, International Atomic Energy Agency (IAEA)

## Department of Physics

- IAEA Technical Co-operation Expert in Nuclear Physics
- IAE Regional Co-ordinator of medical Physics Programme

### **Venkateswara Penugonda**

- External Examiner in Physics Division, UTech
- Member, Materials Research Society (MRS)
- Reviewer *Journal of Radiation Research and Applied Sciences, Materials Science-Poland and Spectroscopy Letters*.
- Member, *Journal of Engineering* Publication House

## MONA SCHOOL OF ENGINEERING



Dr. Paul Aiken, BSc. MPhil. *UWI*, MSc. PhD *Columbia University*  
Head of School

### WORK OF THE DEPARTMENT

#### Overview

In response to the demands of our biomedical and health sectors, MSE has added the BSc. in Biomedical Engineering to our list of engineering programmes. In an effort to increase access to our engineering programmes, we have also added a 1-year preliminary engineering programme which consists of the necessary components of mathematics, sciences, computer and laboratory techniques and communications skills for the beginner engineer. The first cohort of Jamaican students entering this programme have been awarded a US\$5,000 bursary (50%) toward their tuition. Total applications for engineering programmes continues to increase with more 1,200 applicants for the 2017–18 academic year.

We continue to strengthen our partnerships with local and international industries. Our civil and electronics engineering teams have been working

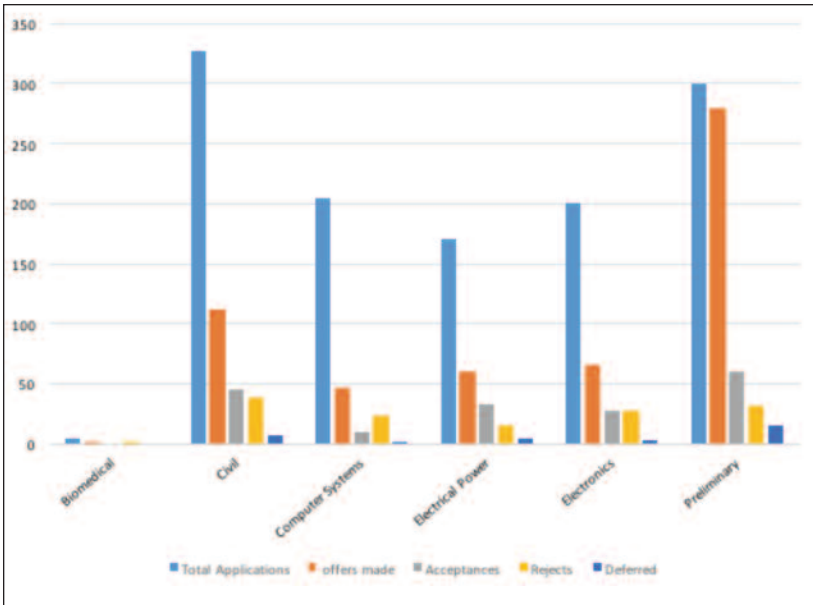
with the National Road Operating and Constructing Company Limited (NROCC) to resolve environmental issues that potentially resulted from roadway construction, including the design and deployment of equipment to remotely sense environmental conditions. We intend to launch our first shared engineering project design with Binghamton University where four of our final year electronics and computer systems engineering students will work with four of their final year electronics and computer engineering students on two Capstone Projects.

The IEEE student body continued to excel in the annual international robotics competition by IEEE South East USA. Last year our very own Mr Jason Brown (final year computer systems engineering student) won the coveted Best Paper award from a pool of 1000 applicants.

The MSE continues to work hard towards creating a world class teaching and research facility, with strong synergies with our industrial and commercial partners. We have successfully attracted four new academic staff including a professor of electronics and electrical engineering (formerly of University of Florida). ABET International accreditation will be doing a site visit on October 8–12 for assessment of our BSc Electronics Engineering. This is our first attempt at international accreditation and we will use the learning experience from this exercise to facilitate accreditation of all our engineering programmes.

### **Enrolment Statistics**

The number of applicants for engineering continues to increase, with the largest number applying to civil engineering. The graph in Figure 1 shows the breakdown of the total number of applicants to each programme, number of offers made, number of acceptances of those offers, and the eventual number that registered. Biomedical engineering was approved late in the academic year so there was not much time for advertising the programme hence the low number of applications. There has been significant interest and the number of applications is expected to greatly improve this year.



**Figure 1:** Application statistics for August 2017 for each engineering programme.

### Strategic Initiatives to Improve Students' Learning Experience

**New lab facilities:** The Electronics lab facilities benefited from the addition of a soldering room and an assembly room for improved facilities for students completing their projects.

**Wireless Door Access System:** Phase two of the wireless door access system developed by Mr. Lindon Falconer was implemented. This includes the installation of cameras with real time access via computers and smart phones so that persons may see who is at the door before granting them access.

**Introduction to Yacht Design:** MSE introduced a Yacht design programme which will be implemented over 3 summers. This first cohort includes civil engineering students from MSE and architecture students from UTech. In the first summer (2016) students were introduced to design vocabulary with reference to the YD-40 (sample yacht). In the second

module (summer 2017) students focused on more practical aspects and built a model yacht. At the end of the programme students would have acquired the knowledge of the fundamentals of yacht design and development and would be eligible to become certified yacht designers.

***Seven Storey Building Design for Faculty of Social Sciences:*** Three Civil Engineering students benefited from a paid internship as a part of a project to design a new seven storey building for the Faculty of Social Sciences. The students who began in June 2016 were given a scholarship valued at \$250,000 towards their 2017/18 tuition.

### **Academic Partnerships**

***University of Florida:*** The MoU with the University of Florida continues to bear fruit with MSE benefiting from improved teaching capacity from UoF academic staff.

***SUNY/Binghamton University:*** The UWI Mona/ MSE signed a Memorandum of Understanding (MoU) with SUNY/Binghamton University to support partnerships in teaching and research. Faculty from the MSE visited SUNY Binghamton and two points of collaboration discussed are now being implemented:

- 2 joint final year projects with students from MSE and SUNY Binghamton
- A UWI graduate has transitioned into an MSc programme there with GRE waived based on the MoU

***University of Pennsylvania:*** Since the start of 2016, the University of Pennsylvania (UPenn) initiated discussions with MSE toward partnerships in teaching, research and student and staff exchanges. Discussions are ongoing.

### **Accreditation**

The Mona School of Engineering submitted a self-study document to ABET as the initial stages of application for accreditation for our BSc Electronics Engineering programme. Dr. Aiken participated in an ABET

workshop on July 13, 2017 in Baltimore and received guidance on all expectations and requirements during the site visit. A Team Chair (TC), John Vian of Boeing, and two Programme Evaluators (PEVs) have been assigned to the visit which will take place from October 8–10, 2017. ABET is one of the leading global engineering accrediting bodies with the direct oversight of the Washington Accord.

## OUTREACH ACTIVITIES

***UWI Research Days 2017*** This year the Mona School of Engineering's (MSE) participation in Research Days continued to expand even further. The objective was to have more interactive displays of research projects. This year the school displayed a number of research projects that our engineering students worked on throughout the year. In the Tent (the main public display area), the MSE decided to have a Star Wars theme, in which the UWI – IEEE Mona Robotics Team displayed a robotic project that they were currently working on at the time, for the Hardware Challenge at the IEEE South Eastern Conference. This involved displaying two autonomous robots that were designed and built by students to do a number of prescribed tasks in a particular time frame. The electronics engineering students also designed and built an autonomous delivery drone, which was on display and for which they had scheduled demonstration on the nearby UWI lawns outside of the tent. The engineering student bodies also mounted displays along the spine in the faculty.

***High Schools Visits:*** Representatives from the Mona School of Engineering in collaboration with the Marketing, Recruitment and Communications office visited a number of high schools and community colleges during the academic year. This has always been one of our major marketing space for our programmes and we make every effort to ensure that we fully participate.

***Marketing Opportunities:*** The Mona School of Engineering took advantage of the opportunity to advertise during the finals for the TVJ Schools Challenge Quiz and the TVJ coverage of National Inter-Secondary School Athletics Championships.

***Cocktail Reception in Honour of Jentech Consultants Limited:*** The Mona School of Engineering (MSE) hosted a cocktail reception on September 20, 2016 in honour of Jentech Consultants Limited. Jentech Consultants was presented with a plaque in appreciation of their invaluable contributions of time, resources and expertise to the development and implementation of the BSc Civil Engineering Programme.

## **DONATIONS/CONTRIBUTIONS**

***Engineering Bursaries:*** Every year, very needy students who meet the minimum eligibility requirements are offered an engineering bursary in the range of J\$200,000 to J\$400,000. The recipient can be at any level in the programme and must maintain a minimum GPA of 3.0 to continue the bursary. Thus far, a total amount of J\$34.75 million have been awarded.

***Renovations in FST:*** Renovations sponsored by MSE for the Department of Physics, Materials Science Lab and the Science Library were completed at a cost of J\$26.5 million. The Science Library was rebranded as the **Science and Engineering Branch Library**. This was officially opened on May 17, 2017 by Minister of Science, Energy and Technology, Dr. the Hon. Andrew Wheatley.

## **Engineering Alumni Association**

The Mona School of Engineering Alumni Association hosted their first annual general meeting on November 4, 2016. They hosted various other activities throughout the year including:

- Ratification of the Constitution on September 1, 2016
- UWI Electronics Club Visit and Happy Hour for undergraduate students on October 20, 2016
- Career Talk on March 30, 2017
- Fundraiser – Benefit Play on April 2, 2017

## **ENERGY MANAGEMENT UNIT**

### **Overview**

The Energy Management Unit (EMU) was officially formed in February 2016 having assumed all the roles of the now disbanded Energy Conservation Project Office (ECPO). The ECPO was initially part of the Office of the Campus Bursar and the EMU is now part of the Mona School of Engineering.

The EMU aims to ensure that all campus buildings function at high energy performance. Hence, the EMU assumes the responsibility for leading the development of findings and recommendations regarding campus buildings and facilities. It does this on behalf of the entire campus community, which includes: Departments, Offices, Halls of Residence, Public Spaces, Lecture Theatres, among other areas and transmits those recommendations and suggestions to the relevant technical bodies such as the Campus Technical and Environment Committee (TEC) and decision-making bodies including Campus Senior Management.

### **Aims of EMU**

The EMU aims to make all campus buildings high performance buildings which, according to the United States Energy Independence and Security Act of 2007, is a building that integrates and optimizes on a life-cycle basis all major high-performance attributes, including energy and water conservation, environment, safety, security, durability, accessibility, cost-benefit, productivity, sustainability, functionality, and operational considerations. This defines the EMU's functions and responsibilities over the past year, 2016–2017 that has been to:

- Develop and maintain performance criteria for maintenance of energy efficient buildings.
- Evaluate and prequalify building technology and products.
- Conduct related and needed investigations into issues affecting indoor air quality in buildings.

- Assemble, store, and disseminate technical data and related information pertinent to energy conservation and efficient projects such LED Lighting Retrofit, Solar PV and Cogeneration.
- Implement energy conservation and efficiency projects.
- Monitor and evaluate performance of implemented energy conservation and efficiency measures for sustainability.

For example, over the past academic year the EMU has worked with: the Office of the Campus Principal in the development of a Campus-wide light emitting diode (LED) lighting upgrade project; the Institute for Sustainable Development in the design, procurement and construction of the Caribbean Region's first Net-Zero Energy Building; the Department of Microbiology in the acquisition, implementation and assessment of a multi-million dollar grant funded energy conservation and efficiency project; and the Campus Projects Office in the identification of a suitable entity to carry out an assessment of the Sir Alistair McIntyre Complex mould infestation problem and then contributed to the development of terms of reference for mould remediation. This is just a few of the projects the EMU has been integrally involved in.

### **Relevance of EMU to Campus**

It follows, that the contribution of the EMU is of importance to the Campus Community as it readily helps to address poor building operation and maintenance strategies, which can significantly degrade overall building energy performance. The EMU's impact is not limited to new construction and major renovations, which are only a fraction of the campus energy use. Indeed, after the building has been constructed, the operators and occupants are left to do the heavy lifting.

## **INCOME GENERATION**

### **Income from MSE**

The Mona School of Engineering generated revenue of J\$166.5m in tuition collected from its four BSc programmes.

### **Commercial Activities: Mona-Tech Engineering Services Limited**

Mona-Tech Engineering Services was operationalized on April 7, 2015 and represents the commercial arm of the Mona school of Engineering. Its mandate is to provide internship type training to graduates of the MSE and to provide expert engineering support services to the Mona Campus, Jamaica and the Caribbean region. In doing so, Mona-Tech will generate a revenue stream for the Mona Campus, its majority shareholder.

Mona-Tech successfully completed its second year of operation. Some notable achievements during its 2016–17 operation were:

- Redevelopment of a proposal to complete the development of the Combined Heat and Power (CHP) plant (Co-Gen plant). Mona-Tech's proposal was accepted by the Principal, and was presented to the campus and the university where it was approved. Seven Megawatts (7 MW) of electricity generators will be installed to provide for all the campus's electrical energy needs. The exhaust and hot water from these engines will be used to power the absorption and hot water chillers to provide 2200 Tons Refrigeration of cooling. Expected cost saving to the campus is in excess of J\$300 million per year.
- Introduction of New Fortress Energy (NFE) to the campus and successfully negotiated very competitive LNG prices. Mona-Tech also directed the campus in forming a very strong partnership with NFE which will result in several scholarships and internships to our students and research opportunities for academics.
- Renewal and expansion of the Co-Gen plant Operation and Maintenance contract to include all customer sites
- Renewal of the AC Preventative Maintenance contract to include service to the UWI Mona-Western Jamaica Campus.
- Procurement of other projects and contracts, external to UWI, including Petrocaribe, UHWI, and Total Gas.

2016–17 Revenue was J\$68 million and Expense was J\$57 million giving a Surplus of J\$11 million.

## PAPERS PRESENTED

- **Dr. Paul Aiken** presented at a public forum on Public Private Partnerships: a Development tool for Jamaica hosted by the Mona School of Business and Management on June 21, 2017. His presentation was entitled, “The role that Engineering plays in designing and developing sustainability in production”.
- **Dr. Omar Thomas** presented along with co-author Chadwick Barclay on the following: “A low-cost navigation device for the blind or visually impaired.” Authors: Chadwick Barclay, Andre coy, Omar Thomas, Paul Aiken, on September 20, 2016.
- **Dr. Paul Aiken** presented at a Forum on Construction as a driver for Economic Growth hosted by the Mona School of Business and Management. His presentation was entitled, “Building a Trained Workforce for the Construction Industry”.

## Seminars / Workshops

- **Mr. Stanley Smellie** Participated in the “Forum on Regional Cooperation: Developing Quality Infrastructure for Photovoltaic Energy Generation in Latin America and the Caribbean” held in Santiago de Chile during the week September 11–15, 2017. The workshop was coordinated by the German Government.
- **Mr. Stanley Smellie** Attended “U.S. Department of Energy 2017 National Energy Codes Conference” held in Pittsburgh, USA during the week of July 17–20, 2017.
- **Ms. Cherri-Ann Scarlett** Attended a workshop entitled, “Implementation of IMO Model Course 4.05 on Energy Efficient Operation of Ships” in Panama City, Panama in April 2017. The workshop was coordinated by the International Maritime Organisation.
- **Dr. Omar Thomas** Attended a workshop entitled “Energy Efficiency in the Built Environment in the Caribbean: Energy Policy”, at the Jamaica Pegasus Hotel under the “Low Greenhouse Gas Emissions: Promoting Energy Efficiency & Renewable Energy Building in

Jamaica” (LGGE) project of the Institute of Sustainable Development (ISD) at The UWI on March 23, 2017.

- **Ms. Cherri-Ann Scarlett** Attended the JPS Women in Energy Conference during March 9–10, 2017 her participation was sponsored by MSE
- **Ms. Joni Hall** Attended the JPS Women in Energy Conference during March 9–10, 2017 her participation was sponsored by MSE.
- **Mr. Lindon Falconer** Installed a Computer Network in the recently opened Vision Resource Centre at Jamaica Society for the Blind (JSB). This project was done in conjunction with a group of level III Electronics Engineering and Physics students.
  - Phase 1 of the project was done during December 2016 and January 2017.
  - Phase 2 commenced in February 2017 and involved linking the networks between the old and new buildings.
- **Mr. Lindon Falconer** Attended and supervised students in the IEEE Southeastern Conference 2017 hosted in Charlotte, North Carolina from March 31–April 2, 2017.
- **Dr. Omar Thomas** Attended the Transportation Research Board (TRB) 96th Annual Meeting from January 7–11, 2017 in Washington, D.C. U.S.A.
- **Mr. Stanley G. Smellie** Attended the 2016 World Energy Engineering Congress Conference and Trade-Show held in Washington D.C. USA during the period September 21–22, 2016.
- **Mr. Stanley G. Smellie** Attended the Association of Energy Engineers (AEE) 2016 Legend in Energy Awards VIP Dinner and Induction Ceremony held on September 20th, 2016 aboard the Washington DC Odyssey cruise line.
- **Mr. Stanley G. Smellie** Attended the Nationally Appropriate Mitigation Actions (NAMA) Development in the Cooling Sector and Investment-Grade Calculation, Analysis and Financial Modelling for Sustainable Energy Applications workshops in Frigate Bay, St. Kitts and Nevis, during the period September 12–16, 2016.

## PUBLIC SERVICE

- **Aiken, Paul;** UWI Mona representative on the University Council of Jamaica (UCJ) Engineering Accreditation Committee.
- **Scarlett, Cherri-Ann;** Validation of instructional/materials for Renewable Energy curriculum for HEART Trust NTA National TVET Centre.
- **Smith, David A. Y.;** Industry representative on the UCJ Engineering Accreditation Committee.
- **Smellie, Stanley;** Appointed by Caribbean Regional Organisation for Standards and Quality (CROSQ) as an Advisor to Regional Project Team for the Regional Energy Efficiency Building Code.

## STUDENTS

### International Recognition

- A team of students and a facilitator, Mr. Lindon Falconer, participated and placed 13th out of 41 universities in the Institute of Electrical and Electronics Engineers (IEEE) Southeast Conference Robotics Competition, which was held March 31st to April 2nd, 2017 in Charlotte, North Carolina. **Jason Brown**, a final year computer systems engineering student, placed first in the Technical Paper Competition (a first for a Jamaican university). It must be noted that this was from a field of 1,000 applicants, most of whom were graduate students in US Universities.
- **Aisha Robinson**, a final year electronics engineering student, was selected as one of four finalists for the Society of Light and Lighting's (SLL) Young lighter of the year award. Her paper titled "A Visible Light Communication Scheme for Use as Accent Lighting," was presented at the Lux Live exhibition held at the London ExCel Centre, UK on 23–24 November 2016. The paper explored the potential for using the visible light from accent lighting fixtures, instead of radio frequency, to deliver information to visitors' mobile

phones. It emphasized the design constraints for the lighting fixtures to be used.

### **Student Clubs and Societies**

The students of the Mona School of Engineering are actively involved in student chapters of

- Institute of Electrical and Electronics Engineers (IEEE)
- Jamaica Institution of Engineers (JIE)
- Institute of Structural Engineers (IStructE)

### **Scholarship and Bursaries**

- 20 students were awarded a total of \$9,150,000.00 in MSE bursaries for the academic year 2016/2017
- **Kadeem Campbell** received the Grace Kennedy Foundation Scholarship valued at J\$500,000.
- **Ashley Ewan** received the BNS Staff Open Scholarship valued at J\$1,280,500.
- **Dennis Orane** received the Ministry of Education – Special Scholarship valued at J\$500,000 and the Grace Kennedy Foundation Scholarship valued at J\$100,000.
- **Henel Vidal** received the Grace Kennedy Foundation Scholarship valued at J\$100,000.
- **Sherika Anderson** received the Grace Kennedy Foundation Scholarship valued at J\$430,000.
- **Anthony Bryan** received the UWI Open Scholarship valued at \$1,089,840.
- **Scott Lee Young** received the CB/UWI 5K Scholarship valued at \$300,000.
- **Romaine Nugent** received the UWI Township Scholarship valued at \$J1,280,000.
- **Rickel Williams** received the UWI Academic Bursary valued at J\$30,000.

## **2016 Graduation**

The first cohort of Civil Engineering and Computer Systems Engineering students graduated with one First Class Honours from the Civil Engineering Programme and one First Class Honours from Electronics Engineering.



# FACULTY OF SOCIAL SCIENCES

## **Mona**

Year ending July 31, 2017



**PROFESSOR IAN BOXILL**

BSc. UWI, M.Phil. *UWI*, PhD. *Colorado State*

Dean

# – *Dean's Overview* –

## INTRODUCTION

The academic year 2016–2017 began with significant changes to management and structure in the Faculty of Social Sciences. Professor Ian Boxill took over as Dean on August 1, 2016 from Professor Evan Duggan who served as Dean for four years. Professor Boxill had served previously (2003–2007) as head of the Department of Sociology Psychology and Social Work (SPSW), and more recently as the Director of the Centre for Tourism and Policy Research (CTPR). He is also the holder of the Carlton Alexander Chair for Management Studies. Additionally, there were new heads for the departments of Economics and SPSW when Professor David Tennant succeeded Dr Damien King and Dr Orville Taylor succeeded Dr Heather Ricketts. As a result of Professor Tennant's appointment as head for Economics, a vacancy was created and Dr Marina Ramkissoon was appointed Associate Dean for Graduate Studies. Similarly, Mr Michael Williams was appointed acting Executive Director for the Mona School of Business and Management (MSBM), replacing Professor Densil Williams who was promoted to PVC Planning and Industry Alignment. The Faculty would like to congratulate Dr Aldrie Henry-Lee who was promoted to Professor of Social Policy and was appointed Director for SALISES.

As is customary, the Faculty began the academic year with the staging of its Annual Faculty Day under the theme "Faculty Day of Reflection and

Celebration". The aims and objectives were to foster a singleness of purpose in all aspects of faculty operations, establishing a common vision and building team spirit. This was done through orientating staff members to the various challenges faced as well as bringing to the fore the strategic aims at the Faculty and Campus levels. The day's activities included presentations from the Principal, Professor Archibald McDonald; PVC Graduate Studies and Research, Professor Dale Webber and Campus Coordinator for Research, Professor Denise Eldemire Shearer.

## **TEACHING AND LEARNING AND STUDENT DEVELOPMENT**

### **Student Achievement**

The Faculty of Social Sciences is proud to report that, for the second consecutive year, the Jamaica Rhodes Scholarship was awarded to a student from the Faculty. In November 2016, Shakeba Foster was selected as the 2017 Rhodes Scholar. Ms Foster completed a BSc in Banking and Finance and an MSc in Economics. At the time of winning the scholarship she was employed in the Faculty as an Assistant Lecturer in the Department of Economics. At the Faculty's Graduate Awards Ceremony held on November 30, 2016, Ms Foster received the award for the top MSc Economics student for 2015–16 along with the George Beckford Prize, given to the best performing student in Economic Development. Similarly, the Faculty congratulates two BSc Social Work graduates who were awarded Chevening Scholarships. They are Alicia Derby and Nicollette Bryan. Alicia will be pursuing a Master of Arts in Applied Security Strategy at the University of Exeter while Nicolette will be pursuing a Master in Social and Public Policy at Cardiff University in Wales.

In academic year 2016–17, the Faculty continued with its tradition of awarding students for outstanding achievements. A total of one hundred and eight (108) undergraduate students received awards. This included seventy two (72) students who graduated with first class honours and thirty six (36) who received special awards. Similarly, ninety-seven (97) graduate students received distinction awards and forty one (41) received special awards.

During the academic year, thirteen (13) students completed the requirements for the PhD degree.

They are:

1. Rickert Allen – Towards the Development of a Model for Improving Employee Readiness for Corporate Transformation
2. Karlene Bailey – Entrepreneurial Orientation and the Performance of Small and Medium Sized Enterprises in Jamaica: Considering the Contingent Effects of the Environment and Resources
3. Kevin Blake – Technology Adoption in Law Enforcement in a Developing Country: An Action Research Investigation of the Jamaican Constabulary Force
4. Phillipa Campbell-Francis – Public Service Quality in Jamaica's Executive Agencies: An Investigation of the Dissonance between Employees' and Customers' Perceptions
5. Gavin Daley – The Politics of Public Policy in Jamaica: An Analysis of the Implications of a Change of Government on the Sustainability of Local Government Efficiency
6. Marjorie Fyffe-Campbell – Principles of Good Corporate Governance and their Efficacy in Developing Countries: A Caribbean Perspective
7. Cavell Francis-Rhiney – Future Scenarios for Food Security in the Caribbean in the Face of Global Climate Change: A Case Study of Jamaica
8. Winsome Halliman – Exploring the Change Patterns and Characteristics of Small and Medium- Sized Enterprises
9. Carvell McLeary – Measuring Organizational Trust in Unique Cultural Settings: Validation and Application of Socio-Cognitive Model
10. Floyd Morris – Mediated Political Communication in Modern Jamaica: Lessons from Michael Manley, Edward Seaga and P.J. Patterson
11. Deloree Staple-Chambers – Predicting Tax Compliance Behaviour: The Case in Jamaica

12. Steve Whyte – An Examination of the Relationship between Social Capital Theory & Software Quality in Free and Open Source Software Development

13. Suzanne Wynter – Credit Risk in Government Mortgage Lending

In an effort to improve the Faculty's academic quality, a total of four training seminars were held, two for tutors and two for lecturers. The tutors' seminars were aimed at developing and preparing effective tutorials and identifying ways to facilitate students' engagement with tutorials. The seminars for lecturers focused on sensitising lecturers on how to identify students who have learning disabilities and how to facilitate appropriate referral mechanisms. Additionally, they also focussed on helping faculty members recognise some of the signs associated with students who may be experiencing mental health issues, as well as the appropriate channels available to deal with these cases.

In an effort to remain current and effective to employers' demands and students' academic needs, a number of initiatives were undertaken. Two graduate programmes were upgraded and revamped. They are the MSc Computer Based Management Information Systems (CBMIS) and MSc in Development Studies. Additionally, five new MSc Programmes were designed and approved and four of these will be offered in A/Y 2017–18. They are: MSc Corporate Finance, MSc Logistics and Supply Chain Management, MSc Marketing and Data Analytics and MSc Procurement. The Faculty approved the revision and re-offering of the course ECON 3034 – Resource and Environmental Economics. The re-offering of this course is significant in developing solutions to current environmental problems. The course will now explore topical issues such as climate change, energy, pollution, water resource management, biodiversity and ecosystem conservation issues. The Department of Government (DGOV) also sought to introduce some practical element to the class room. For the course GOVT 2070 – Political Management and Strategy, two community “Dons” were invited to give a synopsis of their ‘real world’ experiences during the election campaign season. The Department also invited Dr Peter Phillips, Opposition Leader, to make a presentation in the course GOVT 3202 – Political Marketing and Communication. Dr

Phillips' presentation covered topics such as: Candidate Image Structure; Manufacturing the Ideal Political Leader or Party; Features of Candidate and Party Image and the Importance of Advertising in Forming Candidate and Party Image.

Similarly, in an effort to enrich and add more practical experiences to the work of students, the MSBM held thirteen Bloomberg Sessions in its Finance Laboratory. The sessions covered topics such as: Company Overview; Financial Analysis; Graphs; World Equity Indices; Global Marco Movers; Commodity Maps; Earning Analyses and how to prepare a financial analysis excel sheet for a company. The MSBM also hosted the Jamaica Stock Exchange and Barita Investments in an Investor forum titled "Practical Ways to Save and Invest". The forum explored issues such as: savings and investment products and services; the importance of budgeting in the savings and investment mix and buying and selling shares on the market. Approximately 120 students and a number of staff members benefitted from this collaboration.

The FSS Student Learning Committee, in following through with its objective to improve student engagement and learning, carried out an in depth analysis of failure rates for the last three academic years. The results showed that courses with high failure rates were concentrated among those dealing with finance, statistics and research methodology. The committee also reviewed students' responses as to why they failed these courses and concluded that a potential strategy for intervention would include a combination of self-guided care, modelled after a programme developed by the University of Queensland as well as lecturers material on effective learning and study strategies in selected courses.

In an effort to increase their relevance to society, the Social Work Unit conducted a three-day Practice Skills training for sixty (60) level two and three BSc Social Work students. The training was developed out of feedback from a seminar held for practicum agency supervisors. The training included counselling, interviewing, group work, managing one's emotions, data gathering, assessment and planning skills. In order to encourage and assist students to widen their perceived sphere of opportunities and career development path, the Department of Economics

collaborated with the Embassy of Spain and the Caribbean Policy Research Institute (CaPRI) to host a discussion forum with students, with the aim of providing and sharing information and experiences to encourage and assist students to broaden their perceived opportunities and career development path.

In the area of international achievement, five MSMB graduate programmes received significant ratings under the 2016–17 Eduniversal Ranking for 1000 Best Masters and MBAs fields of study worldwide. The five programmes are:

- MSc Accounting,
- MSc Computer Based Management Information Systems (CBMIS)
- MSc Enterprise Risk Management
- Master in Business Management (MBM)
- Master in Business Administration (MBA, full time).

## **RESEARCH AND INNOVATION**

During the year, the Faculty collaborated with the Institute of Caribbean Studies to stage the Stuart Hall Conference. The Conference, titled, “Whither the Caribbean? Stuart Hall Intellectual Legacy”, highlighted the work of Hall as one of the Caribbean’s brilliant thinker and explored questions such as: “How can the lens of culture offer alternative approaches to the study of our postcolonial present?”; “How can cultural studies strategies strengthen the ability of policy-makers, educators and technocrats to craft more people-friendly forms of governance?” and, “What lessons of negotiating and thinking about social conflict and its management might be embedded in Hall’s life and practice?”

Over the period, the Faculty continued with tradition to engage in research which influences national policy making and provides insights into problems of national importance. In this regard, some Faculty members were awarded the Principal’s Research Day Awards. The Faculty wishes to congratulate the following Principal’s Research Day awardees: In the category of Best Research Publication, Dr Lawrence Nicholson for

his book *Understanding the Caribbean Enterprise: Insights from MSMEs and Family Owned Business*; Dr Eris Schoburgh and Dr Sonia Gatchair, for their edited collection entitled *Developmental Local Governance: A Critical Discourse in 'Alternative' Development*; Dr Delroy Chevers, Professor Evan Duggan and Stanford Moore for their article “An Evaluation of Software Development Practices among Small Firms in Developing Countries – A Test of a Simplified Software Process Improvement Model” and Dr Trevor Smith for his article “Customer value proposition, corporate transformation and growth in Caribbean Financial Firms”. Dr Clinton Hutton received the award for the Most Outstanding Researcher/Research Activity for his seminal work *Colour for colour, skin for skin, marching with the ancestral spirits into war-oh at Morant Bay/ Leonard Percival Howell and the Genesis of Rastafari*. The award for the project attracting the most funds was awarded to Dr Lloyd Waller, Mr Stephen Johnson, Ms Shinique Walters and Ms Nicola Satchell for their baseline desk study research analysis with the Jamaica Social Investment Fund Poverty Reduction Programme.

This year, the faculty supported the Department of Economics in staging its inaugural West Indies Economic Conference (WECON) under the theme “Small Economies, Unlimited Possibilities”. Some twenty five papers were presented by academics from ten countries. The conference also benefited from presentations by two eminent professors of Economics – Arye Hillman and Wilfred Ethier – whose economic thought is taught to students in economics graduate courses. Another new research partnership that the Faculty supported was a collaboration between the Department of Sociology, Psychology and Social Work, Institute of Caribbean Studies and J-FLAG in hosting a conference titled “Beyond Homophobia: Centuring LGBT Experiences in the Caribbean”. This conference sought to explore ways in which Jamaican sexualities, gender identities and queer practices are expressed and experienced beyond the discourse of violence, stereotype assumptions and limitations presented by heterosexual and binary gender norms. The Department of Government in collaboration with the University of Sussex, hosted a workshop titled “Political Actors, Public Servants and the Public: An International Workshop exploring the past, present and future of the public service

and those they serve". There were also a number of inter-departmental collaboration within the Faculty. Once such effort was the MSBM and DGOV jointly hosted public advocacy series entitled "Trumpism: Its Implications for the Caribbean".

The Faculty recognizes that in a society of increasing technology and innovation, research is the foundation for social, cultural, economic and environmental innovations which continue to drive society forward. Consequently, during the academic year under review, a number of papers, journal articles, book chapters and publications were done by members of its staff. The publications covered a wide range of issues: cultural differences; racist and ethnic differences in family profiles; early childhood education; child poverty and child rights; self-esteem; body dysmorphic disorder; disordered eating attitudes; depression; negritude and blackness and the demand for authenticity; gender equality in Jamaica; violence and poverty;; intergenerational profiles and individual outcomes; re-integration of prisoners; migrant health and ICT's; intergenerational living arrangements and well-being in comparative prospective; multigenerational families; multigenerational issues in an aging society; domestic violence; parenting and academic achievement; body image and depressive symptoms; biracial and multiracial identity; demographic and social factors in the use of licit drugs; issues around marijuana its legalization and trade; violence among young people; job satisfaction; housing and information; Caricom Single Market; gender and age; climate change and technology, among others.

Additionally, over the period, faculty members researched topics such as: "Bleaching, Bullying and Me"; "Barrels Migration and Me"; "The Case For Subnational Actors in Public Governance and Development"; "Border Security and Cooperative Initiatives to Counter Illicit Drug Trafficking"; "Disability and ICTs in the Caribbean: Enabling Visually Impaired Caribbean Youth"; "Current Account and Real Exchange Rate Dynamics in the Caribbean and Latin America Compared to the G7 Countries"; "Does a stronger system of law and order constrain the effects of FDI on government size?"; "Improving Tax Compliance in Jamaica"; "An Evaluation of Software Development Practices Among Small Firms in Developing

Countries”; “Mainstreaming Disaster Risk Management into Management Education”; “Re-inventing, Revolutionizing and Transforming Caribbean Tourism”; and “Barriers to Entrepreneurship and Innovation: An institutional analysis of mobile banking in Jamaica and Kenya”, among others.

## **FINANCIAL**

The area of finance continues to be a challenging one for the Faculty of Social Sciences. Notwithstanding this, the Faculty sought to find innovative ways to attract investments. In this regard, the Faculty continued with its relationship with the National Commercial Bank (NCB) under the project “Applied Research in Corporate Transformation”. Phase I of the project, valuing US\$503,000, has so far generated several academic papers.

At the annual Research Days, the Human Resource Development Graduate Programmes Unit in the Faculty successfully staged their Assessment Centre by practically demonstrating a battery of psychometric tests, one-to-one career counselling and polygraph testing. As a result of this activity, the unit secured four commercial clients (for a fee) who have requested psychometric testing services as part of their recruitment process for senior staff. In this regard, in February 2017, psychometric testing was done for nine persons vying for a top post at the Airports Authority of Jamaica. The analyses were completed and the findings submitted in one week. It is hoped that the monies earned from this initiative will be used toward the building of a permanent assessment centre facility on the Mona Campus. Additionally, the unit has identified a new member of staff who will manage the Assessment Centre and oversee other commercial initiatives in the future.

Self-funded programmes continue to earn much needed income for the Faculty. In 2016–17, the Weekend Programmes netted approximately JA\$7 Million; Summer School produced J\$18 Million; and the rest of the Faculty netted approximately JA\$60 Million through a variety of other programmes. In this regard, it is hoped that the four new

self-funded programmes which will commence in 2017–18 will improve the financial status of the Faculty.

### **Challenges**

Throughout the period, the Faculty continued to be plagued by problems of mould and poor air quality in the Alister McIntyre Complex. Although a significant amount of work was done to improve the building, the mould keeps re-occurring. To this end, the position of Building Supervisor was approved by F&GPC, Mona and the post was filled in June 2017 by Mr Alex Lewis, who is an engineer. The Faculty is thankful for the critical support that it has received from the Principal, especially as plans for a new seven-storey building are well-advanced to ease the chronic shortage of class-rooms and offices for academic staff.

### **EMPLOYEE ENGAGEMENT AND DEVELOPMENT**

In an effort to engage staff and encourage interaction amongst colleagues and students, the Dean, Professor Ian Boxill, rebirthed an initiative of former Dean, Professor Barry Chevannes, called “At Play – The Dean’s Veranda”. This was a week of activities held April 3–7, 2017, which facilitated the cultural engagement of the Faculty’s staff and students through their creative work and talents. Various artworks from individuals were displayed along the faculty office staircase and a concert was held in SALISES’ Garden to showcase the various talents.

In focusing on developing staff competency, the MSBM hosted a webinar on “Pitching Research”. The webinar explored a simple methodological approach to pitching new empirical research proposal, which will guide new researchers in overcoming a feeling of helplessness at the beginning of their research journey and assist research mentors in guiding their mentees.

## **INTERNAL OPERATIONAL PROCESSES**

Over the period, the Faculty continued with efforts at developing a more efficient and effective academic and administrative process. In this regard, all previous paper-based staff and student forms have become automated. Additionally, the Faculty's website is continuously monitored and updated. Another noticeable initiative was Banner and Student Administration System training for relevant staff members.

## **OUTREACH**

In continuing the mandate to contribute to national and regional development, the Faculty of Social Sciences formalised its "Shaping the Public Discourse" special initiative. This initiative sought to provide public access to the research work of the Faculty. Consequently, during the period under review, there was a significant increase in the number of articles published in the two leading newspapers, focussing on findings from research undertaken by academic staff in the Faculty. In an effort to guide and impact economic policy making and thought in Jamaica and the Caribbean, the Department of Economics launched a policy discussion series. The series explored solutions to current problems which directly impact economic policies. Themes included: "Critical Considerations that will determine the extent and Nature of Jamaica's Future Involvement with CARICOM"; "Private Sector Perspective on the Prospects and Pitfalls of Jamaica's Future Involvement with CARICOM" and "An Economic Outlook for the Caribbean – 2017". Additionally, the Department held public discussions before and after the presentation of the National Budget, specifically to breakdown the budget in the layperson's term to the benefit general the public.

The Mona School of Business and Management, in collaboration with the International Development Research Centre, Canada, engaged in an open data strategic initiative in August Town to build community tourism. A key goal of the project was to demonstrate the value of open geoData generated by the community, which enabled the creation of derivative products and services while providing a means of community

engagement and empowerment, especially in relation to youth in the community. The MSBM Alumni Association generated approximately \$300,000 in monetary contributions, non-perishable food items, personal care items and water to assist in the relief efforts for Haiti. Donated items were collected at both Mona and Western Jamaica Campuses and handed over to Food for the Poor on November 3, 2016.

The Department of Sociology, Psychology and Social Work (SPSW) organised three workshops for high school students who were studying CAPE Sociology and Caribbean Studies. Students from three High Schools attended. Additionally, Graduate Clinical Social Work Students in collaboration with the Child Development Agency provided assessment and therapeutic services to children with special emotional needs from the At Play Therapy Centre, as it relates to trauma, abuse and neglect.

## **CONCLUSION**

In the academic year 2016/17, the Faculty, in keeping with the UWI 2012–17 Strategic Plan, continued the implementation of the Plan's objectives across all areas, in accordance with the overall mission of the University. In recognition of the need for financial modification, the Faculty has sought other sources of funding for research and innovation from private and public organizations both locally and internationally. The Faculty recognises the need for Employee Engagement within the work place and has taken several steps to identify and implement solutions to improve working conditions, to enhance employee development and confidence and it is hoped that these will in turn improve the overall standard and quality of the core services of teaching and learning.

## DEPARTMENT OF ECONOMICS



**Professor David Tennant**, B.Sc. *UWI*, MA, Ph.D. *Manchester*  
Head of Department

### WORK OF THE DEPARTMENT

The Department embarked on a new strategic plan to coincide with the appointment of a new Head of Department. In a bid to continue to assist in the realization of the University's vision and mission the Department is committed to being (i) Research-Driven; (ii) Student-Centered; (iii) Visible and Impactful; and (iv) Highly-Motivated.

### RESEARCH-DRIVEN

Outlined in the Department's strategic plan is the commitment to increase the research output of the faculty members in the Department and to place research at the core of the Department's activities, ensuring that research is infused into teaching, guides public engagement, and drives the partnerships that are formed with industry and governments of the region.

### **West Indies Economic Conference – WECON**

As part of its thrust to be research driven, the Department of Economics held its inaugural West Indies Economic Conference (WECON) under the theme “Small Economies, Unlimited Possibilities”, March 2017, UWI, Mona. Over the two days, 25 papers were presented by academics from 10 countries. The conference also featured presentations by two eminent Professors of Economics – Arye Hillman and Wilfred Ethier – colleagues whose theories our students are taught in graduate courses.

### **98th Annual Southwestern Social Science Association Meeting (2017)**

Ms. Rochelle Johnson and Mr. Wendel Ivey, students pursuing the MSc in Economics, participated in the 98th Annual Southwestern Social Science Association meeting, April 2017, Austin, Texas. Ms. Johnson’s work won the prize for the best paper by a graduate student. Both papers were accepted in the *Southwestern Journal of Economics*.

### **Research Day**

**Economic Outlook for the Caribbean – 2017, February 2017** (in collaboration with Office of the Vice Chancellor). Moderator, Dr Peter-John Gordon, Lecturer, Department of Economics. Presenters: **Dr. Constant Lonkeng Ngouang**, Resident Representative for Jamaica, IMF, **Prof Dillon Alleyne**, Deputy Director UNECLAC Subregional Headquarters for the Caribbean, **Mrs Therese Turner-Jones**, Country Representative/CCB General, Inter-American Development Bank, **Professor Winston Moore**, Head, Department of Economics, UWI (Cave Hill) was the discussant.

The Department of Economics mounted two interactive displays. The first was entitled; “*Can Jamaica achieve 5% Growth in 4 years?*” This display provided a representation of Jamaica’s goal of 5% Economic Growth over a four year period. The possible impact of various factors on this potential growth path (for example, debt-to-GDP, potential hurricanes etc.) were demonstrated. The second display was, “*Who Gets the Job?*”

This displayed the effects of discrimination on employment possibilities in Jamaica.

## **STUDENT CENTERED**

The Department of Economics remains committed to excellence in its course and programme offerings. It continues to fulfil an important service role to the faculty and wider university, as its level one courses are compulsory for a number of programmes. This is reflected in the high number of students registered in the level one economics courses.

### **PhD in Economics**

The Department was granted approval to offer a PhD in Economics. The goal of the programme is to provide the resources and an enabling environment for students to acquire the skills necessary to conduct and disseminate advanced economic research. It will provide students with strong foundations in microeconomics, macroeconomics and econometric theory and provide opportunities for students to strengthen their research skills. Recruitment of additional staff in the programme is underway. The programme is expected to commence in A/Y 2018–19.

### **Conversations with Spain**

The Department in collaboration with the Embassy of Spain and the Caribbean Policy Research Institute (CaPRI) hosted a discussion forum with students in February, 2017. The discussion provided for the sharing of information and experiences in order to encourage and assist students to widen their perceived sphere of opportunities and career development path.

### **Departmental Award**

The Department of Economics is the recipient of the Faculty of Social Sciences, Faculty Day Undergraduate teaching award, 2016–17 and was the recipient of the award for graduate teaching for last academic year.

### **Rhodes scholarship**

For the second consecutive year, a graduate of the MSc Economics programme is the recipient of the Jamaica Rhodes Scholarship. On November 17, 2016, Ms. Shakeba Foster was announced as Jamaica's 2017 Rhodes Scholar. Ms. Foster consistently performed well in her academics, graduating at the top of her MSc Economics class, in addition to obtaining first class honours in the Department's BSc Banking and Finance programme, Ms. Foster was also a 2014 UWI valedictorian nominee, and in 2012 received the Faculty of Social Sciences prize for the first year student with the highest GPA. She was an Assistant Lecturer in the Department of Economics for the Academic year 2016–17. The 2016 winner was Ms. Sherona Forrester, a former MSc student and Assistant Lecturer in the Department.

### **VISIBLE AND IMPACTFUL**

The Department of Economics has a rich history of strong public engagement and leadership. Colleagues in the department are desirous of building on this strong foundation, ensuring that the Department remains as a critical source of sound information to guide policy discourse. At the start of the year under review, the Department introduced its Policy Discussion Series, this was in an effort to guide and impact economic policymaking in Jamaica and the Caribbean. In the series, proposed solutions were sought to topical issues that impacted future economic policies.

### **Policy Discussion Series**

*Jamaica and the IMF Beyond 2016 – October 2016*, Moderator Professor Claremont Kirton, Department of Economics.

Presenters: **Dr. Andre Haughton**, Lecturer, Department of Economics, **Dr Christine Clarke**, Lecturer, Department of Economics, Mr. Colin Bullock, Former Snr Lecturer, Department of Economics, Executive Director of the Planning Institute of Jamaica, Mr. Richard Byles, President

and CEO Sagcor Group Jamaica and Co-Chairman, Economic Oversight Committee(EPOC).

***Jamaica's Continuing Membership in CARICOM – November 2016:***

Moderator, **Dr Nadine McCloud-Rose**, Snr Lecturer, Department of Economics

Presenters: **Dr. Damien King**, Senior Lecturer, Department of Economics, Mr. Bruce Golding, Former Prime Minister of Jamaica and Chairman of the CARICOM Review Commission, “*Extent and Nature of Jamaica's Future Involvement with CARICOM*”, The Rt. Hon. Owen Arthur, Former Prime Minister of Barbados, Mr Larry Watson, Director, Jamaica Chamber of Commerce

***Breaking Down the Budget: Expert Analysis – March 2017:***

Moderator: Ms. Shirley-Ann Eaton, Lecturer, MΔona School of Business and Management, UWI, Mona

Presenters: **Dr Andre Haughton**, Lecturer, Department of Economics, Mr Colin Bullock, Former Snr Lecturer, Department of Economics, Director General of the Planning Institute of Jamaica, Mr Jermaine Burrell, Senior Economist Sovereign Research Manager, JMMB, Mr. Donovan Wignall, President, Micro Small and Medium-Sized Alliance.

## **HIGHLY MOTIVATED**

### **Academic Appraisals**

Appraisals were conducted for all tenured track, non-professorial staff members. The exercise was aimed at mentoring faculty members, providing guidance as to their career path, and providing support where needed.

### **Administrative Restructuring**

During the academic year, the Department added numerous events and programmes to its portfolio of responsibilities. The duties associated with the administrative positions in the department have all expanded.

To account for this, a restructuring of the administrative work of the department was conducted, and two of the senior administrative posts were upgraded.

### Personnel Changes

Leaving the Department were: Mr Patrick Johnson (Information Technologist II); Miss Petri-Ann Watson (Administrative Secretary); Miss Kimoy Sloley (Assistant Lecturer) and Dr Terence Yhip, (Visiting Fellow). Five new members of staff joined the department during the year under review, Mr. Shamar Bennett and Mr. Sherdon Saunders joined the administrative and technical team while Mr. Marc-Anthony Beverly, Miss Shakeba Foster and Miss Shanike Smart joined as Assistant Lecturers.

### PAPERS PRESENTED

- **Braithwaite, Samuel** “*CARICOM Trade Multilateralism: A Gravity Model Approach*”, Department of Economics, West Indies Economic Conference (WECON), March, 2017, UWI, Mona.
- **Professor Edward Ghartey** “*Empirical Evidence of Nonlinear Effects of Monetary Policy Reaction Functions in a Developing Country,*” at the African Finance and Economics Association (AFEA), Chicago on January 8, 2017.
- **Haughton, Andre** “*Asymmetric Dynamics Between Oil Prices and Real Exchange Rates in the Caribbean and Latin America*”, Department of Economics, West Indies Economic Conference (WECON), March, 2017, UWI, Mona
- **Haughton, Andre**, “*Impact on Household Livelihoods*” Department of Economics Post Budget Forum, themed “Breaking Down the Budget: Expert Analysis” on Thursday, March 23, 2017, 5:30 pm in the Multi-Functional Room, Main Library, UWI, Mona.
- **Keil, Jan** “*Is There Causal Effect of Concentration on Persistent Profitability Differentials?*” Department of Economics, West Indies Economic Conference (WECON), March, 2017, UWI, Mona

- **King, Damien** “*The Economic case for Regional Integration*” Department of Economics Policy Discussion Series; “Jamaica’s Continuing Membership in CARICOM”.
- **McCloud, Nadine** “*Does a Stronger System of Law and Order Constrains the Effects of Foreign Direct Investment on Government Size?*” Department of Economics, West Indies Economic Conference (WECON), March, 2017, UWI, Mona
- **Spencer, Nekeisha** “*Hurricanes Take a Hit Economic Welfare: Evidence from Household Panel Data*” Department of Economics, West Indies Economic Conference (WECON), March, 2017, UWI, Mona
- **Nekeisha Spencer, Alecia Evans, Abdullahi Abdulkadri** “*Jamaica Energy LINDA Model: The Vision 2030 Target*” Future Energy for the Caribbean: PROCEED Dissemination Conference, Barbados & Jamaica, November 2016.
- **Whitely, Patrice** “*Class Discrimination: Evidence from Racially Homogeneous Labour Market*”, Department of Economics, West Indies Economic Conference (WECON), March, 2017, UWI, Mona

#### **Department of Economics Research Seminars**

- **McCloud-Rose, Nadine** “*Does a stronger system of law and order constrain the effects of FDI on government size?*” October, 2016

#### **Public Forum**

- **Christine Clarke**, “*Developing Jamaica Beyond 2017*”: Department of Economics Policy Discussion Series: Jamaica and the IMF Beyond 2016, October, 2016
- **Andre Haughton** “*Beyond 2017: The IMF, the Growth Agenda and Good Economics*”: Department of Economics Policy Discussion Series: Jamaica and the IMF Beyond 2016, October, 2016

## PUBLICATION

### Refereed Book

- **Haughton, Andre** “*Developing Sustainable Balance of Payments in Small Countries: Lessons from Macroeconomic Deadlock in Jamaica*”, Switzerland, Palgrave MacMillian, 2017

### Technical Report

- **Whitely, Patrice**, Christie Tamoya “*Improving Tax Compliance in Jamaica*”. USAID, October 2016

### Refereed Journal Articles

- Fray-Aiken, C. M., Wilks, R. J., **Abdulkadri, A. O.**, & McCaw-Binns, A. M. “Cost of Care of Chronic Non-communicable Diseases in Jamaican Patients: The Role of Obesity.” *Farmeconomia. Health Economics and Therapeutic Pathways* 17, 2 (2016): 81–95.
- **Haughton, Andre**. “Current Account & Real Exchange Rate Dynamics in the Caribbean and Latin America Compared to the G7 Countries”. *Theoretical Economics Letters*, 6 (2016): 1145–1168.
- **Haughton, Andre** and Iglesias, E.M. “Exchange Rate Movements, Stock Prices and Volatility in the Caribbean and Latin America”. *International Journal of Economics and Financial Issues* 7, 2 (2017): 437–447.
- **Keil, Jan**. “Depreciated Depreciation Methods? Alternatives to Sraffa’s Take on Fixed Capital”. *Review of Political Economy* 28, 4 (2016): 566–589.
- **Keil, Jan**. “Explaining the Concentration-Profitability Paradox”. *Review of Political Economy* 29, 2 (2017): 209–231
- **McCloud-Rose, Nadine**, Delgado, M. S., & Kumbhakar, S. (n.d.). “Foreign Direct Investment and Growth Symbiosis: A Semiparametric System of Simultaneous Equations Analysis”. *Journal of Econometric Methods* 0, 0 (2017):

- **Whitely, Patrice.** “A is for Attendance: The Impact of Class Attendance on Student Performance”. *Journal of Education and Development in the Caribbean* 15, 1 (2016):124–158

### Other Activities

- **Professor Edward E Gharthey** Assumed the Presidency of the AFEA for 2017–2018.
- Chaired a Session on “Role of Fiscal Policy in Promoting Food Security, Social Protection, and Value Added in Manufacturing Through Human and Social Capital Development in African Countries (O1, H3)” at the AFEA Session during the ASSA/AEA annual meeting, January 7, 2017
- Chaired DBA Oral Examination Defence in Mona School of Business and Management entitled: “Predicting Tax Compliance Behaviour: The Case in Jamaica,” by Mrs. Deloree Staple-Chambers on March 22, 2017
- **Peter-John Gordon** Presented at the 17th Shirley Fairplay Lecture, hosted by the Fair Trading Commission, held on Wednesday February 22, 2017 at the Jamaica Pegasus Hotel
- **Nadine McCloud-Rose** was Guest Researcher, Department of Economics at the University of Miami, January 3–11, 2017
- Guest Researcher, Department of Economics, University of Miami, June 2016
- Guest Researcher, Department of Agricultural Economics, Purdue University, July 2016
- **Xhano Soares** Attended American Mathematical Society and Mathematical Association of America Joint Mathematics Meeting, Atlanta, January 4–7, 2017
- The Department extends congratulations to **Dr Andre Haughton** and his team on the successful hosting of the Scarce Commodity Innocent Plant Symposium on April 20, 2017 at the Jamaica Conference Centre. The Symposium focused on the value and future of the industry and how Jamaica could coordinate to materialize its share of the global industry.

## **PUBLIC SERVICE**

**Samuel Braithwaite** – Member of the Private Sector Organisation of Jamaica – Economics Committee

**Christine Clarke**– Member of BoJ & Jetcon Corporation Boards

**Peter-John Gordon** – Member of Kingston College and Mico Foundation Boards

**Andre Haughton** – Founder and Chairman of the Valley Foundation, Member of the Private Sector Organisation of Jamaica (PSOJ), Economic Policy Committee (EPC), Reviewer, *Journal for the Advancement of Developing Economies*

**Nadine McCloud Rose** – Member of the Jamaica Survey of Living Conditions Steering Committee

**Nekeisha Spencer** – Chief Examiner, CSEC Economics, Caribbean Examination Council

**David Tennant** – Member of PIOJ Board, Member, BoJ's Supervisory Committee

## **STUDENTS**

Students registered in the Department's undergraduate programmes are listed as follows:

<b>Major/Minor</b>	<b>Totals</b>
Banking and Finance Major	580
Business, Economic & Social Statistics	1
Economics Major	417
Economics Minor	103
Statistics Major	17
Statistics Minor	6

Students registered in the Department's graduate programmes are listed as follows:

<b>Programme</b>	<b>Total</b>
MSc Economics	59
MSc International Economics & International Law	5

**Award(s)**

***Undergraduate***

**Justine Anique** – The Economics Prize – Best Economics Student

**Andrea Shanice Gordon** – The Statistics Prize - Best Statistics Student/  
The Alfred Francis Prize

**Best Econometrics student**

**Oshane Anthony Abdulie** – The Research Prize – Best Researcher  
(Undergraduate)

**Harri-Ann Shanel Stewart** – The Banking and Finance Prize – Best  
Banking and Finance Student

***Graduate***

**Shakeba Shavella Sashakay Foster** – The Top Student Award – Best  
Graduate Student

The George Beckford Prize – Best Student in Development, The  
Economics Theory Prize – Best Economics Theory Student

**Shanike J’Nelle Smart** – The Econometrics Prize – Best Econometrics  
Student

## DEPARTMENT OF GOVERNMENT



**Dr. Lloyd Waller**, BSc, MSc, UWI, PhD, Waikato, New Zealand  
**Head of Department**

### WORK OF THE DEPARTMENT

The Department's staff-student liaison committee implemented a Tutor Assessment project aimed at assisting staff in evaluating the performance of tutors each semester. The pilot phase of this initiative conducted the week of March 27th, 2017 showed that tutors were performing at an acceptable level. The assessment will be continued each semester going forward.

Following on the 2-day Faculty of Social Sciences Retreat in August to discuss the UWI's 2017–2022 Strategic Plan under the Triple-A strategies of Access, Agility and Alignment, the department held its own retreat on August 24th to brainstorm and formulate its own strategies tied into this strategy.

## PAPERS PRESENTED

- Dr. Eris Schoburgh: “The Case For Subnational Actors in Public Governance and Development: Towards More Strategic Bargains” at the International Public Management Workshop organized by the Department of Government in association with the University of Sussex on October 25, 2016.
- Dr. Tracy-Ann Johnson Myers: “Voter Apathy in Jamaica” at the Southern Political Science Conference in New Orleans from January 12–14, 2017.
- Dr. Aieka Smith: “Transnational Political Participation of Jamaicans Living in Britain” at the Third Biennial Department of Behavioural Sciences Postgraduate Research Conference, at the University of the West Indies, St. Augustine Campus, Trinidad and Tobago on March 23, 2017.
- Dr. Omar Hawthorne: “Whistleblowing Legislation in the Commonwealth Caribbean: Fact of Fiction” at the Commonwealth Association of Integrity Commissions and Anti-Corruption Bodies Conference on April 24–28, 2017 at the Jamaica Pegasus Hotel.

## PUBLICATIONS

### Books in Book Chapters

- **Johnson-Myers, T (2016).** *The Mixed Member Proportional System: Providing Greater Representation for Women? A Case Study of the New Zealand Experience.* Springer International Publishing.
- **Haughton, S. (2016).** “Border Security and Cooperative Initiatives to Counter Illicit Drug Trafficking: The Case of Jamaica and the USA” in Maurice Dawson, Dakshina Ranjan Kisku, Phalguni Gupta, Jamuna Kanta Sing and Weifeng Li *Developing Next-Generation Countermeasures for Homeland Security Threat Prevention*, pp. 104–120.
- **Schoburgh, E. Ryan, R. Eds. (2016)** *The Handbook of Subnational Governance and Development.* IGI Global Publishing.

- **Waller, Lloyd. 2017.** *Envisioning Democracy: The Role and Potential of Information and Communication Technologies for the Visually Impaired.* Jamaica: Ian Randle Publishers (145 Pages).

#### **Referred Journal Articles**

- “Informal Citizenship” in the *Global Encyclopaedia of Public Administration, Public Policy and Governance*, Ali Farazamand (ed.), Springer International Publishing.
- **Nelson, Carol (2016).** ‘Beyond Actor Network Theory to the Marriage of Moments’. *International Journal of Actor-Network Theory and Technology Innovation*. Vol. 8 (3), July–September 2016
- **Waller, L. (2016).** Disability and ICTs in the Caribbean: Enabling Visually Impaired Caribbean Youth, in Laura Robinson, Jeremy Schulz, Hopeton S. Dunn (ed.) *Communication and Information Technologies Annual (Studies in Media and Communications, Volume 12)*, (pp. 3–24), Emerald Group Publishing Limited, (21 Pages)
- **Waller, L. (2016).** There is an app for that too: Citizen-Centric Approach to Combating Corruption in the Digital Age through the use of ICTs. In K. Demirhan and D. Çakır-Demirhan (Eds.), *Political Scandal, Corruption, and Legitimacy in the Age of Social Media*, (pp. 76–100), USA: IGI Global, (24 Pages).

#### **PUBLIC SERVICE**

##### **Dr. Christopher Charles**

- Member, Board of Visitors, St. Catherine Adult District Prison

##### **Dr. Gavin Daley**

- Committee Member, Social and Human Science Advisory Committee, Jamaica National Commission for UNESCO

##### **Dr. Sonia Gatchair**

- Member, Protection of Plant Genetic Resources Management Authority (PPGRMA) in the Ministry of Industry, Commerce, Agriculture, Fisheries

- Member, International Research Society for Public Management
- Member, International Public Policy Association

**Dr. Suzette Haughton**

- Member, University Council of Jamaica (UCJ) Board.

**Ms Natallie Rochester**

- Secretary of the Book Industry Association of Jamaica.

**Dr. Eris Schoburgh**

- Co-Chair, Governance Thematic Working Group Jamaica's National Development Plan Vision 2030
- Member of the Board, Commonwealth Local Government Forum
- Member, International Research Society for Public Management
- Member, Scientific Committee, IRSPM 2017
- Member, International Public Policy Association
- Member of the Board, Social Development Commission, Jamaica
- Director, Mountain Terrace Cooperative Housing Society Limited
- Director, Optimist Club of Kingston

**Dr. Tracy-Ann Johnson-Myers**

- Member, Teacher's Service Commission (Ministry of Education)
- Member, The Caribbean Examination Council (CXC) Examination Committee

**Dr. Lloyd Waller**

- Board Chairman – e-Gov Jamaica Ltd

Deputy Board Chair – National Youth Service

- Commissioner – Fair Trading Commission
- Commissioner – Broadcasting Commission
- Commissioner – Jamaica National Commission on UNESCO
- Board Member – Students' Loan Bureau

## Department of Government

- Chair – Academic and Programme Committee – 2017 UNWTO, Government of Jamaica and World Bank Group Conference on Jobs & Inclusive Growth: Partnerships for Sustainable Tourism
- Committee Member – National Tourism Institute
- Board Member – Ministry of Tourism’s Linkage Network Council

## OUTREACH

### Dr. Eris Schoburgh

- Participated in FCM/CALGA’s Strategic Planning Workshop on the invitation of Canada’s CARILED Programme organized by the Regional Office in Trinidad and Tobago, January 24–25, 2017. The invitation was made on the basis of research focus and work with the Research Advisory Group of the Commonwealth Local Government Forum.

## Departmental Public/Guest Lectures & Forums

- In collaboration with the University of Sussex, workshop titled “Political Actors, Public Servants and the Public, An International workshop exploring the past, present and future of the public service and those they serve.” at the Eon Nigel Harris Council Room, UWI Regional Headquarters, from 8:30–4:30pm on October 25, 2016.
- Ms. Therese Turner-Jones, Inter-American Development Bank, General Manager of Caribbean Country Department, gave a presentation to GOVT1008 Introduction to International Relations Students – The IDB in Jamaica and the Caribbean on November 15, 2016.
- Ambassador Sérgio Lima, President of the Alexandre Gusmão Foundation (FUNAG) and Vice Minister in the Ministry of Foreign Affairs of Brazil, titled “Democratization of Knowledge in International Relations: Challenges and Opportunities,” public lecture on February 16, 2017 at 5:00pm at the UWI Regional Headquarters at The University of the West Indies.

- Mr. Timar Jackson, Jamaica's 2014 Rhodes Scholar made a presentation titled, "Educating our way to Prosperity: Understanding the role of Education in Social and Economic Processes in Jamaica" at the UWI Undercroft on March 15, 2017.
- Dr. Omar Hawthorne coordinated and moderated a Public Forum titled, "The Cybercrimes Act and You" during her GOVT3052 course lecture held on April 5, 2017 from 6:00–8:00pm at the University of the West Indies Main Library Multifunction Room.
- In association with the Organization of American States (OAS), hosted the "Pan American Day 2017" at the E. Nigel Harris Council Room, Mona Regional Headquarters of the University of the West Indies on April 6, 2017. The event included the following activities:
- Distinguished lecture on "the Inter American Democratic Charter: upholding democratic order in the Americas" by the Assistant Secretary General of the OAS, Ambassador Nestor Mendez.
- Exhibits to promote the Inter American system, the countries and cultures of the OAS member states, programs that are beneficial to youth and support integration and a better understanding of our countries and cultures.
- Professor Stephen E. Hanson made a presentation on historic and current US-Russian Relations titled, "The Novelty of Putin's Patrimonialism: Analysing Russian Regime Change" held at the Mona Regional Headquarters at 5:30pm on April 20, 2017.

## **STUDENTS**

- Mr. Gavin Daley was successful in his viva defense titled, "The Politics of Public Policy in Jamaica: An Analysis of the Implications of a Change of Government on the Sustainability of Local Government Efficiency" on November 25, 2016.

## **Graduate Seminar Presentations**

- Mrs. Marian Williams-Shirley, MPhil student, titled "Private Provision of Portable Water in Jamaica: Its Impact on the Development of Rural People/Communities." on October 27, 2016

## Department of Government

- Dual presentations were held on November 24, 2016:
  - a. Ms. Kimberley Fender, MPhil student in the Department of Government, titled “Diasporic Citizenry in the New York Metropolitan Area and Their Importance in Building Brand Jamaica.”
  - b. Mr. O’Neil Hall, PhD Candidate at the University of the West Indies, Cave Hill Campus, titled “Intra- Caribbean Migration: The Experiences of Jamaican Female Workers in the Cayman Islands”.
- Mr. Craig Clarke, MPhil student, titled, “The Impact of Housing Development on Voter Participation in Jamaica: A Geo-Political Analysis” on March 23, 2017. Mr. Clarke is also an Assistant Lecturer in the Department based at the Western Jamaica Campus.

### Undergraduate Prizes

The following received awards at the 2015/2016 Faculty Awards:

1. ANN SPACKMAN PRIZE : Joyce Aurene Moven
2. PAULETTE WILSON PRIZE: Ackera Sherokie Gowie
3. ARCHIE SINGHAM MEMORIAL PRIZE: Dedan Maurice Tyndale and Demar Donavan Royes
4. RUPERT LEWIS PRIZE: Cashonie Tishon Riley
5. CARL STONE PRIZE: Justine L. Salmon
6. NETHERSOLE PRIZE: Garrick O’Bryan Donaldson
7. GLADSTONE E. MILLS PRIZE: Odette Genevieve Riley-Smith
8. SIR LAURENCE LINDO PRIZE: Simone Trishana Morris
9. ROSINA WILTSHIRE PRIZE: Shauyagaye P. Panton

### Graduate Prizes

Four (4) Departmental Prizes were awarded.

- **Selvine Rochelle Stephenson:** for *Most Outstanding Final Research*

*Paper* in the International Relations Concentration of the MSc Government Programme.

- **Analia Shelly-Ann Wallace-Muir:** for *Most Outstanding Final Research Paper* in the Public Sector Management Concentration of the MSc Government Programme.
- **Donavon Antoney Johnson and Elroy Anthony Perrin** achieved equal scores for their Research Papers in the MSc International Public and Development Management Programme, and so the prize was awarded to both candidates for Outstanding Performance in the Final Research Paper of the MSc International Public and Development Management Programme.

## DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK



Dr. Orville Taylor, PhD (Sociology), *FIU*  
Head of Department

### WORK OF THE DEPARTMENT

During the 2016/17 academic year the Department continued its commitment to the 2012–2017 UWI Strategic Plan, through many activities which focused on teaching and learning, staff and student development, research, outreach activities and public service.

On the whole, our lecturers have a very high profile with work having an impact on the society and region.

Dr Orville Taylor continues to extol the work of the Department weekly on RJR94FM's Hotline programme, interviewing colleagues from all disciplines in the Department as well as others in the Faculty and the University when necessary. More than 12 UWI academics have appeared during the year. He continues to write in his weekly column in the Daily Gleaner where he engages not only the myriad social issues but importantly, it is a forum for the outlining of the Department and University's work.

He has also continued to serve the interests of national security, working closely with the Jamaica Constabulary Force and was asked to initiate the National Task Force on Security.

Dr Michael Barnett continues to provide visibility for the Department by organizing seminars and panel discussions related to Rastafari. Dr Barnett also appeared on TVJ to discuss some of his upcoming seminars and other activities relating to Rastafari.

Drs Sharon Priestley, Julian Devonish and Ms Ayesha Facey presented papers at conferences on demographic issues.

Dr Orville Beckford along with Mr Stanford Moore conducted CAPE workshops twice for the academic year, for some high schools in Kingston and Eltham High School in Spanish Town.

### **School Visits**

In a bid to raise enrolment in the Department's programmes and awareness of the disciplines taught, Drs. Orville Taylor, Moji Anderson and Orville Beckford have been involved in a number of High School visits.

### **QAR**

The unit and the wider department participated in the Quality Assurance Review that was scheduled for September 2016. Importantly, a significant number of the recommendations were already being initiated and implemented.

### **The Swedish Council for Higher Education**

Both Drs Heather Ricketts and Moji Anderson visited the School of Global Studies (University of Gothenburg) and the Department, for a partnership programme in the disciplines of Anthropology and Development Studies. This will continue in the 2017/18 academic year, with the exchange of lecturers for a period of three weeks, and graduate students for a period of one semester.

### **World Justice Project (WJP) Rule of Law Index 2017**

Drs Orville Taylor and Orville Beckford continue to contribute to the **WJP Rule of Law Index 2017**.

### **Book Launch**

**Dr Herbert Gayle** launched his book on violence entitled *Like Bush Fire: A Study of Male Social Participation and Violence*. He also continues to speak on violence and male gender issues at various functions and institution during the academic year. He has become one of the high profile members of the Department and University on the whole.

**Dr Michael Barnett** launched the edited collection, a special issue of the journal *IDEAZ*, entitled, “Notions of Beauty and Sexuality in Black Communities in the Caribbean and Beyond.”

### **Conferences/Special Events**

The Department co-hosted and sponsored the Mixed Methods Conference in March 2017, featuring keynote presenter, world leading mixed methodologist, Professor John Creswell. Between March 31 and April 2, 2017, the Psychology Unit hosted Professor Michael Rich as part of its Psychology Day celebrations. He did a series of well attended lectures on the relationship between the media and socio-psychological outcomes.

The Social Work Unit hosted the annual conference of the Association of Caribbean Social Workers.

### **HRD Unit**

Along with the rest of the Department, the HRD Unit underwent a Quality Assurance Review during Semester I. The Reviewers reported that the HRD programmes still have very great potential to contribute to the mission of the UWI to internationalise itself. However, they cautioned that the Coordinating team needed to respond more urgently to changing client demographics and ask itself who its students will be within the

next five to seven years. The modernised programmes to emerge from this assessment will address social change and globalisation in their curricula in more frontal ways. The Reviewers also urged the Coordinators to act with haste upon their plans to build the Unit's research and consultancy activities.

The Unit continued its involvement with advancing the use of Mixed Methods Research and multi-disciplinary teams to solve local social problems through co-hosting first, a very successful 4-day workshop in QDA Miner training at the Regional Headquarters in November 2016. It followed this activity by co-hosting an even more successful 3-day conference in Montego Bay in conjunction with several departments and schools at Mona, Cave Hill, St. Augustine and the Open Campus in March 2017. Clement Branche's Fireside Chat with Professors Jennifer Greene and John Creswell proved to be one of the highlights of the Conference.

Finally, for the third year, the Unit worked with our colleagues in the Department's Psychology Unit to simulate a functional HR Assessment and Training Centre during the UWI's Research Days 2017 in February. Key to our success this year was our alliance with the Jamaica Constabulary Force's Polygraph Examiners from the Jamaica Constabulary Force's Major Organized Crime Organization (MOCA). Beyond the polygraph and psychometric testing, the Assessment Centre hosted its usual workshops in Managing Stress in the Workplace; The Importance of Performance Management in Strategic Planning; Career Counselling, and added Consultancy Development this year. Finally, the Unit hosted a panel discussion titled "*Lie Detector Testing: Its Local Advent and Human Rights*" to close its catalogue of events for Research Days 2017. The panellists were Professor Garth Lipps and Dr Grace Martin-Hall of the Department; Mr. Gregory Reid, Attorney-at-Law and a specialist practitioner in Labour Law and Industrial Relations; Capt. Basil Bewry, Chairman of the Jamaica Chapter of ASIS International; Professor Wendel Abel, Head of Department, Community Health and Psychiatry and Mr. Ainsworth Shakes, Inspector of Police and Chief Forensic Psychophysiologist, of MOCA.

## PAPERS PRESENTED

- **Barnett, M.** (2017) “Notions of Beauty and Sexuality in Black Communities in the Caribbean”. Paper presented at the 42nd Caribbean Studies Association Conference, June 2017 in Nassau, Bahamas. (12 pages).
- **Barnett, M.** (2017) “Examining the Case for Internal Reparations for Caribbean Rastafari” at the 42nd Caribbean Studies Association, Conference June 2017, Nassau, Bahamas. (10 pages)
- **Barnett, M.** (2017) “Rastafari and Reparations: Charting the way forward for a Truly Global Pan-African Reparations Movement.” 2nd Kwame Nkrumah Intellectual and Cultural Conference. June–July 2017, University of Ghana, Accra, Ghana (8 pages).
- **Barnett, M.** (2017) “Reflecting on the Impact of the Barack Obama Era on Black Jamaicans and the Wider African Diaspora.” 47th Annual Meeting of the Association of Black Sociologists. August 2017, Montreal, Quebec, Canada. (8 pages).
- **Barnett, M.** (2017) “The Politics of Hair For African Caribbean Women: Natural Hair vs Relaxed Hair vs Weaves and Wigs.” 47th Annual Meeting of the Association of Black Sociologists. August 2017, Montreal, Quebec, Canada. (12 pages).
- **Branche, C.** “Training and Capacity-Building in Demography: UWI Mona and the Caribbean.” Chukwudum Uche Plenary at the Planning Institute of Jamaica/SALISES/SPSW’s Jamaica Population Conference, January 25–27, 2017 titled ‘Theory, Practice and Policy for the Post-2015 Sustainable Development Agendas’
- **Daley, C.** “Fulfilling our Potential: An Exploration of the Key Determinants of the Academic Performance of Jamaican High School Students”. UWI Schools of Education Biennial Conference. Montego Bay, Jamaica June 20–23, 2017. (Oral panel presentation 34 pages)
- Brodie Walker, S., Morgan, S., Ho, D., **Burke, D., J.**, McFarlane and Myers, A., T. 2017. “Factors that impact school engagement / disengagement. Research for Development.” 98–101, UWI, Mona Campus. 2017. (4 pages)

- **Facey A.**, Fraser H. “The Demographic and Socio-Economic Determinants of Living Arrangements among the Elderly in Jamaica”. Population Planning for Development in Jamaica: *Theory, Practice and Policy for the Post-2015 Development Agenda*. Jamaica Conference Centre, Kingston, January 25–27, 2017 (Oral presentation)
- Fraser H. and **Facey A.** “Socio-Demographic Predictors of Poverty Among the Elderly and Children in Jamaica” Population Planning for Development in Jamaica: Theory, Practice and Policy for the Post-2015 Development Agenda. Jamaica Conference Centre, Kingston, January 25–27, 2017 (Oral presentation).
- Williams-Hemmings, S, Elliott-Rattray, A. & **Hinds-Heron, K.** “Learning to practice: Use of practice simulation to train social work students.” Presented at the Association of Caribbean Social Work Educators Conference, Jamaica June 26–30, 2017( *Oral Presentation*)
- Elliott-Rattray, A., **Hinds-Heron, K.** & Burns, S. “Ramblings of a First Year Social Work Student on Navigating Self Care Challenges.” Presented at the Association of Caribbean Social Work Educators Conference, Jamaica June 26–30, 2017. (*Oral Presentation*)
- Elliott-Rattray, A. & **Hinds-Heron, K.** “Chronic Illness and Ageing Men: A qualitative Analysis of two Jamaican Men.” Poster session presented at 25th Annual research Conference and workshop on One Health, One Caribbean, The University of the West Indies Medical Conference. Jamaica. November 2016
- **Hinds-Heron, K.** “Why is that boy in my class?” – “Reflections of a mother of a child with Visual Impairment.” Poster presented at The UWI Mona Research Day. February 1–3, 2017.
- **Gayle, H.** “The Torture of Boys in the Caribbean’s Three Most Violent Countries, and Implications for Homicide.” IDRC Global Mental Health Conference (CARIMENSA UWI, McGill University, and the Jamaica Psychiatric Association), Faculty of Medical Sciences, Teaching and Research Complex. February 24–25, 2017. (oral presentation)
- **Latibeaudiere, S .** “What faith based organizations need to know about domestic and intimate partner violence.” Medallion Hall,

workshop funded by FiWi Jamaica/USAID, April 29, 2017. (oral presentation)

- **Latibeaudiere, S** “Domestic and intimate partner violence and the human services professional’s response.” Portmore HEART, workshop funded by FiWi Jamaica/USAID, April 13, 2017. (oral presentation)
- **Latibeaudiere, S** “Professional Ethics & Human Rights Framework.” Midwife Cares Workshop to midwives from Victoria Jubilee Hospital, School of Nursing, UWI, July 2017. (oral presentation)
- **Latibeaudiere, S** “Gender issues and workplace propriety in the Jamaican space and beyond.” Campion College staff meeting, April 24, 2017. (oral presentation)
- **Latibeaudiere, S** “Professional Ethics” presented to midwives at a workshop titled “Respectful Midwifery Care”, School of Nursing, UWI, and January 2017. (oral presentation)
- **Latibeaudiere, S** “What is gender-based violence? and how to recognize the signs” presentation to Midwives at The Jamaica Midwives’ Association 54th Symposium, Jamaica Conference Centre, October 24–28, 2016. (oral presentation)
- Battick, K., Butler, D., Choy Tin, A., Facey, K., Hibbert, A., **McFarlane, T. A.**, Miller, C., Rose, R., & Samuels, S. “We Had Fun but What was Accomplished?” Facilitating a Support Group for Jamaican Teen Moms in an Urban High School. Poster presented at the 5th Action Research Network of the Americas (ARNA) 2017 Conference held in Cartagena de Indias, Colombia. June.2017. (oral presentation)
- **McFarlane, T. A.**, Battick, K., Butler, D., Choy Tin, A., Facey, K., Hibbert, A., Miller, C., Rose, R., & Samuels, S. “Lessons from a Support Group for Jamaican Teen Moms: Towards PAR in an Urban High School.” Paper presented at the 5th Action Research Network of the Americas (ARNA) 2017 Conference held in Cartagena de Indias, Colombia. June 2017 (oral presentation).
- Worrell, F. C. & **McFarlane, T. A.** “Assessing Nigrescence Beyond the US: Black Racial Identity in Jamaica.” Paper presented at the 3rd

Biennial Caribbean Regional Conference of Psychology, Port au Prince, Haiti. November 2016. ( oral presentation)

- Reid Marks, L., **McFarlane, T.A**, Sanders, S. Wilkins, K. “The Status of Health Psychology in the Caribbean.” Roundtable Discussion facilitated at the 3rd Biennial Caribbean Regional Conference of Psychology, Port au Prince, Haiti. November 2016. (oral presentation)
- **Mitchell, R.** “Gender Equality and Decent Work for Female Sex Workers in Jamaica,” Presented at the Caribbean Action 2030 Regional Conference on the Sustainable Development Goals Conference Title: “Caribbean Development – The 2030 Agenda in Perspective,” Kingston, Jamaica. June 28–June 30, 2017.
- **Priestley, S.** “Net Migration in Jamaica: By design or default” for the Caribbean Studies Association Conference, June 2017, held at the Melia Nassau Resort, June 5–9, 2017.(oral presentation 30)
- **Priestley, S.** “New Population Concerns for the Caribbean Ahead Of the 2020 Round of Censuses” Conference on Population Planning for Development in Jamaica: Theory, Practice and Policy for the Post-2015 Sustainable Development Agendas, January 2017, held at the Jamaica Conference Centre. Kingston, January 25–27, 2017. (Oral Presentation #6)
- **Ramkissoon, M.**, Anderson, P. and Hopwood, J. “Measurement Validation of the Jamaican Macho Scale among African-American Males”. Department of Behavioural Sciences Postgraduate Conference, St. Augustine Campus, University of the West Indies, Trinidad, March 22–23, 2017. (18 pages).
- **Ricketts, H.** “Vulnerability Societies, Fragile Families: Evidence from Caribbean CPAs and SLCs.” Hermione McKenzie Plenary Paper presented at Population Planning for Development in Jamaica Conference under the theme: Theory, Practice and Policy for the Post-2015 Sustainable Development Agenda, Jamaica Conference Centre, Kingston: January 25–27, 2017. (16 pages)
- Williams-Hemmings, **Elliott-Rattray, A.** & Hinds-Heron, K. “Learning to practice: Use of practice simulation to train social work students.” Presented at the Association of Caribbean Social Work Educators

- Conference, Jamaica June 26–30, 2017. (oral presentation)
- **Elliott-Rattray, A.** “Essential Social Work Skills gained working at an Addiction Treatment Facility in Jamaica.” Presented at the Association of Caribbean Social Work Educators Conference, Jamaica June 26–30, 2017. (oral presentation)
  - **Elliott-Rattray, A.** Hinds-Heron, K & Burns, S. “First Year Social Work Students on Navigating Self Care Challenges.” Presented at the Association of Caribbean Social Work Educators Conference, Jamaica June 26–30, 2017. (oral presentation)
  - **Elliott-Rattray, A.** & Hinds-Heron, K. “Chronic Illness and Ageing Men: A qualitative Analysis of two Jamaican Men.” Poster session presented at 25th Annual research Conference and workshop on One Health, One Caribbean, The University of the West Indies Medical Conference. Jamaica. November 2016. (oral presentation)
  - **Elliott-Rattray, A.** “Living with Dual Diagnosis in Jamaica – A gendered person-in-environment perspective.” Poster session presented at The University of the West Indies Research Day, Jamaica. February 2017. (oral presentation)
  - **Shillingford, A.** “Participatory Research: An Effective Field-Based Method for Social Workers.” Workshop presented at the 13th Biennial Association of Caribbean Social Work Educators Conference, University of the West Indies, Mona, Jamaica. June 2017. (oral presentation)
  - **Shillingford A.** “Promoting Community & Environmental Sustainability.” A Presentation on World Social Work Day in St. Maarten, sponsored by the St. Maarten Social Workers Association, March 2017. (oral presentation)

## PUBLICATIONS

### Book Chapters

- **Barnett, M. A.** (2016) “The Politics of Black Hair: A Focus on Natural vs Relaxed Hair for African-Caribbean Women.” In *IDEAZ* Special Issue, Vol. 14. Pgs 69–100. (Eds.) Barnett, M.A. & Hutton, C.A. Kingston, Jamaica: Arawak Publishers.

- **Beckford, O. and C. Charles,** (2016) “Forms of Resistance in the Jamaican Black Radical Tradition” in Mousa Traore and Tony Talburt (ed). *Fight for Freedom: Black Resistance and Identity*. Accra: Sub-Saharan Publisher.
- **Hinds-Heron, K.** (2017). “Why is that boy in my class?” - Reflections of a mother of a child with Visual Impairment in the *Caribbean Journal of Social Work*, Vol 12. John Maxwell & Lincoln Williams, Editors. Arawak Press.

### Books

- Barnett, M.A. & Hutton, C.A. 2016. “Notions of Beauty and Sexuality in Black Communities in the Caribbean and Beyond.” *IDEAZ*. Special Issue, Vol.14. Kingston, Jamaica: Arawak Publishers.
- Gayle, Herbert, Virginia Hampton, and Nelma Mortis 2016. “Like Bush Fire: Male Participation and Violence in Urban Belize.” Published by Cubola Productions, Benque Viejo del Carmen, Belize (250 pages).

### Refereed Journal Articles

- Barnett, M.A. 2017. “Marcus Garvey as the Progenitor of Black Pride and Black Power in the United States.”. In *76 King Street: Journal of Liberty Hall, the Legacy of Marcus Garvey*. Vol. 3. Pgs 75–91. Kingston Jamaica: Friends of Liberty Hall (Marcus Garvey) Foundation.
- **Gayle, H.** 2017. ‘Police Death by Criminal Act: An Anthropological Explanation’. *Caribbean Journal of Security and Strategic Studies*. Volume 1. Jamaica Defence Force (JDF) and the United States Naval War College (12 pages).
- **Latibeaudiere, S.,** Ferguson D. & McLean Cooke, Wendy. (2017). “The complexity of dementia care: A collective case study of three caregivers in Jamaica.” *Caribbean Journal of Social Work*. Volume 12 & 13, pp. 257 – 277.
- Pitter, C., **Latibeaudiere, S.,** Rae, T. & Owens, L. (2017). “Disrespectful Maternity Care: A threat to Jamaica’s 2030 Agenda.” *International Journal of Women’s Health Wellness*

- **McLean Cooke, Wendy**, Donalds, S. & Baker, P. (2017). “A Natral Ting Dat?’ – Primary Caregiver Perspectives on Sexuality and the Young Child.” *Caribbean Journal of Social Work*. Volume 12 & 13, pp. 84–103.
- Latibeaudiere, S., Ferguson D. & **McLean Cooke, Wendy**. (2017). “The complexity of dementia care: A collective case study of three caregivers in Jamaica.” *Caribbean Journal of Social Work*. Volume 12 & 13, pp. 257–277.
- Devonish, J.D. and **Priestley, S.R** 2017. Adoption Preferences and Attitudes of young Jamaican women. *Caribbean Journal of Social Work*, 12-13, 125–159. Impact Factor not available.
- **Priestley, S. R.**, Lipps, G., Anderson, P. 2017. The Impact of Masculinity Ideologies and Conjugal Involvement on Sexual Risk-Taking among Young Jamaican Males, *International Journal of Men’s Health*, 16 (1) 50–66. Impact Factor =0.71.
- Barrett, K, and **Priestley, S.R.** 2017. The determinants of cervical cancer screening among Jamaican women: *West Indian Medical Journal* Impact Factor=0.30.
- **Ramkissoon, M.W P** Anderson, J Hopwood. “Measurement *Validation of the Jamaican Macho Scale Among African American Males*”. *Journal of Men’s Studies* (2017): 1–18.

### Technical Reports

- **Gayle, H.**. Mona Preparatory School Strategic Image Study August 2017 (50 pages).
- **Taylor, O.** (2017) Throughput In Community Colleges: Jamaica (29 pages). Study prepared for the Council of Community Colleges of Jamaica (CCCJ).

### INCOME GENERATION

The Caribbean Internship Programme (CIP), a partnership between the UWI Mona, St. Augustine and Cave Hill campuses, raised approximately

US \$22,000 which supported the three-month summer assignment of six (6) graduate students on internships in four Caribbean countries, Antigua, Dominica, St. Lucia and St. Vincent and the Grenadines.

The HRD Unit launched its commercially available psychometric testing service in February 2017 when Professor Garth Lipps supervised three students from the PhD Organisational Behaviour programme in conducting a battery of ability and career aptitude tests for a major local organisation. The Unit earned JA\$120,000.00 from this job.

Summer School income continues to contribute to the day-to-day operation of the Department.

### **Research grants**

- **Gordon, D.** Awarded Principal's Initiative Grant for Writing a Book, 2016–2017.

### **PUBLIC SERVICE**

#### **Barnett, Michael**

- Re-elected Executive Officer for the Caribbean Studies Association, June 2017.
- Appointed on the National Council on Reparations – (Under the Jurisdiction of the Ministry of Culture, Gender, Entertainment and Sports) Events sub-committee, Research & Publishing sub-committee and Internal Reparations Sub-Committee.

#### **Beckford, Orville**

- Chairman for the Board of Management for Eltham High School.
- Chairman of the Academic Committee – Eltham High School Board of Management.
- Chairman for the Mona Services scholarship committee

#### **Daley, Camille**

- Co-founder and President of the Sickle Cell Support Foundation of Jamaica

**Gordon, Doreen**

- Member, American Anthropological Association.
- Member, Latin American Studies Association

**Hinds-Heron, Kimberley**

- External Examiner, The Council of Community Colleges, Jamaica
- Committee Member, Selection Committee for the Lime Foundation Scholarship for Sickle Cell Tertiary Students.
- Member of the Local Organising Committee Association of Caribbean Social Work Educators, Jamaica June 26–30, 2017.
- External Examiner, The University Council of Jamaica's (UCJ) Accreditation Meetings, The Moneague College, St. Ann. A.Sc. & B.Sc. in Social Work Programmes. January 25–26, 2017

**Latibeaudiere, Sandra**

- Director with responsibility for Programmes, Alzheimer's Jamaica
- Member of Alzheimer's Associations of the Caribbean scientific research committee working on the Dementia baseline study for the Caribbean (June 11, 2017)

**McLean, Wendy**

Council of Voluntary Social Services (CVSS) – Planning and Research Committee

- Volunteer at the CVSS Summer Games held July 1, 2017 held at the UWI, Mona Bowl
- Member of Alzheimer's Jamaica with responsibility for public relations
- Member of Association of Caribbean Social Work Educators
- Member of Jamaica Association of Social Workers
- Member of Alzheimer's Associations of the Caribbean scientific research committee working on the Dementia baseline study for the Caribbean

**Mitchell, Rashalee**

- Associate member of the Knowledge Transfer Committee of the Alumni of the Institutional Research Capacity Building Program (AIRCBP)
- Member of the Alumni of the Institutional Research Capacity Building Program (AIRCBP)
- Member of the International Sociological Association (ISA)
- Past President, Board member – Director of the Rotary Foundation on the Board of Rotary Club of Portmore

**Priestley, Sharon**

- Chair – National Integrated Sexual and Reproductive Health and Rights Policy, led by The Ministry of Health.
- UWI Representative on the Adolescent Reproductive Health Policy Working Group of the Ministry of Health.
- Member of the Ethics Committee of the Ministry of National Security
- Member of the Vital Statistics Commission of the Planning Institute of Jamaica

**Ramkissoon, Marina**

- Advisory Board Member, Jamaica Productivity Center, Ministry of Labour and Social Security

**Elliott-Rattray, A.**

- Member of Standards Committee for Social Work Education – conceptualising the standards for delivery of Social Work Education in Jamaica, The University Council of Jamaica
- Member of the Local Organising Committee for the Association of Caribbean Social Work Educators Conference, Jamaica
- Board Member of the National Council on Drug Abuse Treatment Arm

- Member, Accreditation Team, The University Council of Jamaica. (January–March 2017)
- **Panelist**, Child Development Agency Disciplinary Action Case-Sunbeam Childcare
- Facility. (December 21, 2015–August 2016)

**Ricketts, Heather**

- Commissioner and Chair, Social Protection Subcommittee, Labour Market Reform Commission, PIOJ.
- Member, Inter-sectoral Committee for the development of the National Policy on Poverty and National Poverty Reduction Programme
- Member and Chair, Social Transfers Subcommittee, National Social Protection Committee, PIOJ
- MCCA Lay Representative, United Theological College of the West Indies (UTCWI) Board of Governors

**Shillingford, Aldene**

- Chair of the Local Organising Committee (LOC) for the Association of Caribbean Social Work Educators (ACSWE) 13th Biennial Caribbean & International Conference 2017 at the UWI Mona
- Member of the Council for Voluntary Social Services (CVSS) Executive Committee
- Founding and Executive Member of the Woodford Community Action Group and the Advisory Committee of Woodford Home-Work and Learning Centre.

**Taylor, Orville**

- Contributor: Rule of Law Index, World Justice Project. 2016.
- Member, Editorial Board, Issues in Race and Society; *Journal of the (American) Association of Black Sociologists*.
- Chairman, National Task Force on Security
- Consultant, Jamaica Constabulary Force

## STUDENTS

Dr Carvell McLeary graduated with PhD Organisational Behaviour in April. Mr. McLeary titled his thesis *Measuring Organisational Trust: Validation and Application of a Socio-Cognitive Model*. The Unit is especially proud of the international recognition already given to his scale: McLeary and Cruise (2015), by another doctoral committee in South Africa that wishes to test its robustness in the South African context.

## MONA SCHOOL OF BUSINESS AND MANAGEMENT



**Michael Williams, BSc Honours, MSc**  
**Executive Director (Actg.)**

### **WORK OF THE DEPARTMENT/SCHOOL**

For the academic year 2016/17 the School continued to build the MSBM brand in the Business and Management segment of the higher education marketplace. I am pleased to report that over the reporting cycle, the School made significant achievements towards achieving its objectives as outlined in its strategic plan 2013–2017. Critically, a number of faculty members were engaged in research projects that led to outputs in peer-reviewed journals, books, book chapters and conference proceedings. The body of this report shows the various activities that have been achieved under this rubric. Importantly, it is critical to note that the 2nd MSBM Business and Management Conference was held at the Jamaica Pegasus, from November 9–11, 2016, under the theme, “Connecting the dots: Enterprise, entrepreneurship and sustainable development.” The conference provided another outlet for the research of the faculty.

MSBM is proud of its DBA students. Seven DBA students successfully defended their doctoral theses and four DBA students, successfully defended their dissertation research proposals during the period. An undergraduate team from MSBM representing UWI, Mona, won the inaugural Caribbean Chartered Financial Analysts Research Challenge Competition which was held in Miami on March 3, 2017. Two MSBM undergraduate tourism students won the Jamaica Tourist Board and Global Travel and Tourism Partnership Case Study Research Competition and then represented Jamaica at the Research Competition and Award held in Nice, France.

MSBM is also proud of its faculty members who have gained awards, in the Principal's Research Day Awards. This is a strong recognition of the high quality of the work that these colleagues continue to do in the academe. Overall, the performance of MSBM for the academic year 2016/17 was very strong and we look forward to stronger achievements in the next academic year.

#### PAPERS /ABSTRACTS PRESENTED – REFEREED CONFERENCES

- Chevers, D. (2016). *“Measuring software quality in open source communities through the lens of social capital”*, at the 2nd International Scientific Information Conference (UCIENCIA) in Havana, Cuba on November 24–26, 2016. Slides pp. 1–22.
- **Chevers, D.** & Parker, D. (2016). *“An agency theory perspective on managing projects: An English-speaking Caribbean case”*, at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–21.
- **Chevers, D.** & Spencer, A. (2016). *“The impact of ICT on customer satisfaction in Jamaican hotels: A preliminary study”*, at the MSBM Business & Management Conference, at the Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–28.
- Crick, A. (2016). Presented *“What ails Jamaica’s tourism? Moving towards sustained wellness”*, at the EUROCHRIE Conference, Budapest Metropolitan University, Hungary, October 26–28, 2016. 8 pages.

- Crick, A.P., Jacobs-Gray, N. & Hayle, C. (2017). *“The sharing economy meets tourism: A paradigm shift for Jamaican tourism?”* 5th Interdisciplinary Tourism Research Conference, Cartagena, Spain June 6–11, 2017. 16 pages.
- Davis, J., Nicholson, A., **Rao, L.** & **McNaughton, M. L.** (2016). *‘Towards an open knowledge broker for disaster recovery planning in the Caribbean’*, at the UCIENCIA 2016 Scientific Conference in Havana, Cuba on November 24–26, 2016. 12 Pages.
- **K’nife, K.**, Marshall, M., & Moore, M. (2016). *“Social enterprises and their social rate of return on investment within a developing economy: The case of Jamaica”*, at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–20.
- **K’nife, K.**, Marshall, M. & **Griffiths, K.** (2016). *“The size and scale of social enterprises and their contribution to the GDP of a developing country: The case of Jamaica”*, at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–29.
- **Lawrence, W.** & **Logan, T.** (2016). *“SME financial transformation on Jamaica Stock Exchange Junior Market”*, at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–10.
- Logan, T. (2016). *“The performance of deposit-taking institutions in Latin America and the Caribbean pre and post the 2008 financial crisis”*, at 2016 International Academic Business Conference, San Francisco, August 1, 2016. Slides pp. 1–10.
- **McLeod, M.** (2016). *“Tourism innovation and interactive community mapping”*, at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. 17 pages.
- **McNaughton, M.**, **McLeod, M.**, McNaughton, M. & Walcott, J. (2016). Presented *“Open data as a catalyst for problem solving: Empirical evidence from a small island developing context”* at the 2nd Open Data Research Symposium, Madrid, Spain. October 5, 2016. 21 pages.

- **McNaughton, M. & Rao, L.** (2016). *“Big data analytics to enhance customs performance: The case of Jamaica”*. Presented at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9-11, 2016. Slides pp. 1–18.
- **Minto-Coy, I.D., Roberts, L., Hall, B. and McNaughton, M.** (2017). *“Towards increasing civic citizen engagement and transparency: The role of open budgeting”*, Fourth International Open Data Conference Madrid, October 5, 2016. 27 pages.
- Minto-Coy, I.D. (2016). *“Citizen engagement and open participatory budgeting in Jamaica: The case of FRIDA”*, Latin America and the Caribbean Panel on Open Data, Fourth International Open Data Conference, Madrid, October 6, 2016. Slides pp. 1–2.
- **Minto-Coy, I. & Maria Elo** (2016). *“Attracting diaspora business: Case study of the Caribbean entrepreneurial ecosystem.”* Presented at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. 15 pages.
- **Minto-Coy, I., & Elo, M.** (2016). *“Attracting diaspora business: How is the Caribbean entrepreneurial ecosystem”*, at 2nd Migration & Diaspora Entrepreneurship Conference, November 28–29, 2016, Bremen, Germany. Slides pp. 1–14.
- Minto-Coy, I.D. (2017). Presented *“From potential to reality: Towards an entrepreneurial ecosystem for attracting Caribbean Diaspora Investments”*, at the University of Guyana First Diaspora Engagement Conference Guyana Opening Ceremony, Ramada Principe Hotel, Georgetown. July 23–28, 2017. 23 pages.
- **Robertson-Hickling, H., & Levy-McMillan, V.** (2016). *“The road to the World Cup for the Reggae Boys and the Sunshine Girls”*. Caribbean Sports Conference, UWI, Cave Hill Campus, September 27–October 2, 2016. Slides pp. 1–30.
- Parker, D., **Lawrence, W., Chevers, D., & Zeppetella, L.** (2016). *“Exploring innovation leadership: English-speaking Caribbean nuances.”* Presented at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–9.

- Parker, D., **Chevers, D.**, Loh, A. & **Minto-Coy, I.** (2016). “*Corporate sustainability maturity model: A proposed framework for English-speaking Caribbean firms.*” Presented at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–27.
- **Smith, T.** & Charles, C. (2016). “*Customer knowledge management in Jamaica’s public sector.*” Presented at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Pp. 1–20.
- Van Rijsingen, P. & **McNaughton, M.** (2016). “*Data-driven opportunities for innovation, entrepreneurship and enterprise in healthcare in the Caribbean.*” Presented at the MSBM Business & Management Conference, Jamaica Pegasus Hotel, Kingston, November 9–11, 2016. Slides pp. 1–13.
- Whyte, S., **McNaughton, M.**, **Chevers, D.** & **McLeod, M.** (2016). “*Measuring software quality in open source communities through the lens of social capital*”. Proceedings at the Conferencia Cientifica UCIENCIA Conference in Havana, Cuba on November 24–26, 2016. Slides pp. 1–22.

## PUBLICATIONS

### Books

- **Robertson-Hickling, H.** (2016) *That time in foreign*, published by Hansib Publications Ltd., London. (Hilary Robertson-Hickling – Ed). 279 pages.

### Book Chapter

- Mansingh, G., **Rao L.** & **McNaughton M.** (2017) “Discovering knowledge nuggets in financial data: The case of a financial services institution”. In: Rocha Á., Correia A., Adeli H., Reis L., Costanzo S. (eds). Recent Advances in Information Systems and Technologies. WorldCIST 2017. *Advances in Intelligent Systems and Computing*, Vol. 570, pp. 518–527, Springer International Publishing.

- **McNaughton M., Rao L.,** Parker D., & Lewis D. (2017) “Big data analytics and customs throughput: The case of Jamaica.” In: Rocha Á, Correia A., Adeli H., Reis L., Costanzo S. (eds) Recent Advances in Information Systems and Technologies. WorldCIST 2017. *Advances in Intelligent Systems and Computing*, Vol 570, pp. 512–517, Springer International Publishing.
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- **Minto-Coy, I.D.** (2017). “Foreword”, *Diasporas and Transnational Entrepreneurship in Global Contexts*. Sanya Ojo (ed), Hershey: IGI Global, pp. xv–xvi.
- **Minto-Coy, I.D. &** Berman, E. (2016). “Public sector capacity for governance in the Caribbean”, *The Modern Caribbean Economy: Volume I: Alternative Perspectives and Policy Implications*. Nikolaos Karagiannis & Debbie A. Mohammed (eds.). New York: Business Expert Press.

### Journals Articles

- **Burke, O. &** Weekes, T. (2016). “The UWI Mona Campus positioned as an anchor institution: An educational perspective”, *Journal on Anchor Institutions and Communities*, 2016 Vol 1.
- **Chevers, D.A.,** Mills, A., Duggan, E. & **Moore, S.** (2016). “An evaluation of software development practices among small firms in developing countries. A test of a simplified software process improvement model. *Journal of Global Information Management*, 24, 3, p. 46–71.
- **Chevers, D.A.,** Lawrence, D., Laidlaw, A. & Nicholson, D. (2016). The effectiveness of internal audit in Jamaican commercial banks. *Journal of Accounting and Management Information Systems*, 15, 3, p. 522–541.
- **Chevers, D.A.,** Archie, J., Kerr-Gordon, L. & Hazel, K. (2016). The

impact of information technology on the efficacy of tuition-fee collection: A case in Jamaica. *Journal of Further and Higher Education*, 40, 6, pp.1–11

- **Chevers, D.A.** & Grant, G (2016). Software process improvement adoption and benefits in Canadian and English-speaking Caribbean software development firms. *Electronic Journal on Information Systems in Developing Countries*, 77, 8, pp. 1–15.
- Logan, T. (2016). “Determinants of profitability of financial institutions in the Latin America and the Caribbean”. *The Journal of Developing Areas*. Volume 50, (4) pp. 345–362 | 10.1353/jda.2016.0168. <https://muse.jhu.edu/article/639402/summary>.
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- **McLeod, M.,** Lewis, E. & Spencer, A. (2016). “Re-inventing, revolutionizing and transforming Caribbean Tourism: multi-country tourism institutions and a research agenda”. *Journal of Destination Marketing & Management*. DOI: <http://www.sciencedirect.com/science/article/pii/S2212571X16302104>
- **Minto-Coy, I.D.** & Henlin G.G. (2017). “The development of cybersecurity policy and legislative landscape in Latin America and Caribbean states”, *Cybersecurity Breaches and Issues Surrounding Online Threat Protection*, Michelle Moore (Ed.), *IGI Global*, pp. 24–53.
- **Minto-Coy, I.D.** & Seraphin, H. (2017). “The role of the diaspora in the emergence of economic and territorial intelligence in Haiti”, *International Journal of Business in Emerging Markets*, 9 (1): 48–67. DOI: <http://dx.doi.org/10.1504/IJBEM.2017.080794>.
- **Minto-Coy, I. D.** & Gibson Henlin, G. (2017). “The development of cybersecurity policy and legislative landscape in Latin America and Caribbean States”, *Cybersecurity breaches and issues surrounding online threat protection*, Michelle Moore (Ed.), *IGI Global*, pp. 24–53.

- **Minto-Coy, I.D. & McNaughton, M.** (2016). “Legal & regulatory barriers to mobile banking in Jamaica: A comparison with Kenya”, *Special Issue of Social & Economic Studies*. Editors: Indianna Minto-Coy, Noel Cowell & Michelle McLeod Vol 65 Issue 2 pp. 71–104.
- **Minto-Coy, I.D. & Rao-Graham, L.** (2016). “Mainstreaming disaster risk management into management education: Case of the Mona School of Business & Management”. *Special Issue on “Disaster Risk Management & Business Education: Sustainable and Resilient” of the Journal Ad-Minister* (ISSN: 1692-0279 doi: 10.17230/ad-minister). Special Issue Editors: Neil McFarlane, Juan Pablo Sarmiento & Maria Alejandra Gonzalez Perez (eds.)
- **Minto-Coy, I., Cowell, N.M. & McLeod, M.** (2016) “Breaking the barriers: entrepreneurship, enterprise, competitiveness and growth in the Caribbean”, *Social and Economic Studies*. Vol 65 Issue 2, pp. 1–13.
- **Minto-Coy, I.D. & McNaughton, M.** (2016). “Barriers to entrepreneurship and innovation: An institutional analysis of mobile banking in Jamaica and Kenya”, *Social and Economic Studies* 65:2 (2016): 71–104.
- Whyte, S., **McNaughton, M., Chevers, D. & McLeod, M.** (2016). “Measuring software quality in open source communities through the lens of social capital”. *Cuban Journal of Scientific Information (Revista Cubana de Ciencias Informaticas)*, 10, 287–302.

#### Non-Refereed Publications

- **McNaughton, M. L.** (2016) *Engaging the private sector in the open data value-chain: An innovation imperative*. Available at: <http://opendatacon.org/engaging-the-private-sector-in-the-open-data-value-chain-an-innovation-imperative/>.
- **McNaughton, M. L.** (2016) *How open data can improve tourism in the Caribbean, IADB – Abierto al Público*. Available at: <http://blogs.iadb.org/abierto-al-publico/2016/08/04/how-open-data-can-improve-tourism-in-the-caribbean/>.

- **McNaughton, M. L.**, Brown, T., Minto-Coy, I. and Perue, C. (2016) *Mobile PATH payments: Efficient social support through a national mobile money ecosystem*. Kingston. Available at: <http://www.capricaribbean.com/documents/mobile-path-payments-efficient-social-support-through-national-mobile-money-ecosystem>
- **Minto-Coy, I.D.** & Elo, M. (2017). Towards an entrepreneurial ecosystem for attracting diaspora investments in Jamaica”, *MSBM Business Review*, V.3 Issue 4, pp. 28–30.
- Perue, C. (2017). Open data: Unlocking Jamaica’s growth potential. *MSBM Business Review*, V.3 Issue 4 pp. 44–46.
- Smith, T. (2017). Customer value proposition, corporate transformation and growth in Caribbean financial firms. *MSBM Business Review*, V.3 Issue 4 pp. 36–38.
- Van Rijnsingen, P. & **McNaughton, M.** (2017). Data-driven opportunities for innovation, entrepreneurship and enterprise in healthcare in the Caribbean. *MSBM Business Review*, V.3 Issue 4, pp. 20–22.

#### **Non-Refereed Presentations**

- **Bewaji, T., Huntley-Lewis, E., & Scott, C.** (2017). “*The benefits of strengthening linkages between agriculture and tourism in small developing economies: A Jamaican perspective*”. MSBM Brown-Bag Research Seminar. November 17, 2016.
- Burke, O. (2016). Presented on “*Children, rights and informal settlements: A study of Mona Common*”, at the Caribbean Child Research Conference, held at the Golf View Hotel, Mandeville, Jamaica on November 2–4, 2016.
- Chevers, D. (2016). Presentation on “*Time management: Effectively managing classes, exams and social life*”, at UWI Global Ethics Club, UWI Mona Campus, September 29, 2016.
- Chevers, D. (2016). “*Motivation: Being motivated for self-development*”. Guest speaker at Jamaica Flour Mills Foundation Scholarship Awards Luncheon, October 20, 2016.

- Cowell, N. (2017) *“The role of human resource management capabilities in business model transformation”*. MSBM Brown-Bag Research Seminar. February 9, 2017.
- Crick, A. (2016). *“Managing change”* to the Patient Affairs/Medical Records Department of the University Hospital of the West Indies (UHWI) at the Spanish Court Hotel on December 21, 2016.
- Crick, A. (2017). *“Understanding and managing self”* to supervisors on The UWI HRMD programme at The UWI Mona on February 7– 9, 2017.
- Crick, A. (2017). *“Ways to improve the growth of women-owned businesses and the challenges women-owned businesses face”*, at the WEConnect Professional Women’s Conference, held at the Knustford Court Hotel on March 8, 2017. Slides pp. 1–17.
- **Crick, A.**, Jacobs-Gray, N. & Hayle, C. (2017). *“The sharing economy meets tourism: A paradigm shift for Jamaican tourism?”* MSBM Brown-Bag Research Seminar. March 9, 2017
- Crick, A.P. (2016). *“Time management”* to MSBM students, Student Enrichment Committee seminar. SR10, UWI Mona Campus, November 3, 2016.
- Henry, P. (2017). *“Communication essentials”* at a seminar held by The UWI HRMD, on March 7, 2017.
- Huntley-Lewis, E. (2017). *“Events management”*, delivered to nurses enrolled in the Ministry of Health In-service training programme, held at the InService Education Unit, Kingston 5, on January 12, 2017.
- K’nIfe, K. (2017). Invited to present at a lecture series on *“Black identity: Celebrating great black people”*, hosted by the Mona Social Services in conjunction with the Mona Common Steering Committee, on February 7, 2017.
- K’nIfe, K. (2017). *“A rastafariah perspective on Marcus Garvey and social enterprises in Jamaica”*, at the Harriet Tubman Institute for Research on Africa and its Diaspora conference on “Black social economy: Boosting social enterprises, money pools and cooperatives

among Canadians” at the York University, Ontario, Canada on February 9, 2017.

- **Lawrence, W., Nicholson, L., & Tennant, D.** (2017). Display of research poster entitled: “*UWI research influence on MSME Policy 2013*” in UWI Research Days 2017 on February 1, 2017.
- McNaughton, M. (2016). “*Big data, open data: Harnessing the data revolution*”, at JCS Information Technology Knowledge Forum 2016, held on November 1617, 2016, the Jamaica Conference Centre, Kingston.
- McNaughton, M. (2016). Facilitated a workshop on “*Parliamentary training session: Maximizing the use of technology to improve communication with constituents*” hosted by ParlAmericas for English-speaking Parliamentarians from the Caribbean and Canada, held in Mexico City, December 5, 2016.
- **Minto-Coy, I., & Elo, M.** (2017). “*Towards an entrepreneurial ecosystem for attracting Caribbean diaspora business: Case study of Jamaica*”, at the special launch of the Journal of Social & Economic Studies: “Breaking the barriers: Entrepreneurship, enterprise, competitiveness and growth in the Caribbean” at UWI Research Days 2017 on February 2, 2017. Slides pp. 1–18.
- Minto-Coy, I.D. (2016). Presenter on Latin America and the Caribbean Panel on Open Data, Fourth International Open Data Conference, Madrid, October 6, 2016.
- Minto-Coy, I.D. (2017). “*The importance of leveraging the Diaspora in the renaissance of the University of Guyana and the development of Guyana*”, opening remarks at the University of Guyana First Diaspora Engagement Conference Opening Ceremony, Ramada Principe Hotel, Georgetown, Guyana. July 24, 2017. 2 pages.
- Robertson-Hickling, H. (2017). Conducted a supervisory management workshop for The UWI HRMD on “*Individual factors: Personal characteristics & emotional intelligence*” on February 2, 2017.
- Robertson-Hickling, H. (2017). Moderator of a panel entitled “*Governance at work*” at the International Labour Organization’s

Caribbean Future of Work Forum – 2017, held at the Pegasus Hotel, Kingston, on February 22, 2017.

- Robertson-Hickling, H. (2017). Presentation of a paper entitled: “*The Dream-A World cultural therapy model in Jamaican primary schools*” at the IDRC Global Mental Health Collaboration between CARIMENSA UWI, McGill University and the Jamaica Psychiatric Association Conference, held at the Faculty of Medical Sciences, UWI on February 25, 2017.

## AWARDS/GRANTS

Several members of the MSBM faculty were recognized and received awards (for their contributions to academic research), and grants (to enable them to conduct further research):

### Awards

- The following MSBM faculty were presented with the **Principal’s Research Day Awards for 2017** for ***Best Research Publication***: Dr Lawrence Nicholson for his book: *Understanding the Caribbean enterprise: Insights from MSMEs and family owned businesses*; Dr Delroy Chevers, Mr Stanford Moore and Professor Evan Duggan for the article: “*An evaluation of software development practices among small firms in developing countries – A test of a simplified software process improvement model*”; and Dr Trevor Smith for his article: “*Customer value proposition, corporate transformation and growth in Caribbean financial firms*”.
- Mr Craig Perue received the *President’s Award for Advancing the Profession* from the Project Management Institute (PMI) Jamaica Chapter.

### Grants

- Dr Indianna Mino-Coy received a grant in June 2017 from the Office of Graduate Studies and Research under their *Research & Publications Fund*, for the cost of travel to the Diaspora Engagement Conference held in Georgetown, Guyana.

- The CoE was successful in securing the Principal's Research for Development funding of J\$1.5M for the Special Initiative research project: *"Big Data Analytics and Customs Throughput"*. The research team includes, Dr David Parker from The University of Queensland Business School, Australia; Dr Indianna Minto-Coy and Dr Delroy Chevers from MSBM.
- The CoE was also the recipient of an IDRC Research Grant of Cdn\$285,000 for the 30-month project period December 2016–June 2019, *"Going global: Digital jobs and gender in Haiti"*. This collaboration with regional and international partnerships – *Latin American and Caribbean Internet Addresses Registry (LACNIC)* and *l'Ecole Supérieure d'Infotronique D'Haïti (ESIH)*, the local partner in Haiti – seeks to address the challenge of sustainable delivery of online/distance education and digital skills training among young Haitian women in urban and rural contexts.

## **PUBLIC SERVICE**

The following is indicative of the public service activities undertaken by MSBM faculty and staff:

### **Dr Anne Crick**

- Director, Board of the JMMB Group of Companies and Chair, JMMB Corporate Governance Sub-Committee
- Member, College of Insurance of Professional Studies (CIPS) Board and Chair, Lecturer Evaluations Sub-Committee.
- Advisor to the Board for the Jamaica Customer Service Association (JACSA)
- Reviewer and member of the Editorial Board, International Journal of Contemporary Hospitality Management.
- Member, Editorial Board for the Journal of Hospitality and Tourism Insights (JHTI)

**Dr Paulette Henry**

- Member, Ideal Financial Board

**Dr William Lawrence**

- Chairman of the Board of Trustees, Small Business Association of Jamaica (SBAJ).
- Member, CARIMAC Advisory Board.
- Board Member, Broadcasting Commission
- Member, Combined Board of Jamaica Business Development Corporation (JBDC), Micro Investment Development Agency (MIDA) and the Self-Start fund (SSF)
- Member, Jamaica Stock Exchange (JSE) Regulatory Committee & JSE/MIF Project Steering Committee
- Member, Turnaround Management, USA

**Mrs Vanda Levy-McMillan**

- Member, Business & Management Standards Committee, University Council of Jamaica (UCJ).
- Assessor/Accreditation Officer, University Council of Jamaica
- Member of the Jamaica Employers' Federation (JEF) Annual Convention Programme Committee

**Mr Ramon McLaren**

- Mentor/Coach of CMIP's PitchIT Competition (A World Bank funded, UWI Consulting driven project to drive regional tech entrepreneurship)

**Dr Maurice McNaughton**

- Member, National ICT Advisory Council
- Member of the Economic Growth Council (EGC) Diaspora Task Force, Ministry of Foreign Affairs and Foreign Trade
- Member, Overseas Examination Commission (OEC) & Chair of Operations Committee

- Member, Victoria Mutual Building Society (VMBS) Board

**Dr Indianna Minto-Coy**

- Reviewer, *International Journal of Entrepreneurship and Small Business*
- Reviewer, Social & Economic Studies
- Reviewer, IGI Global
- Chair, Member Dealer Sub-Committees of the JSE Corporate Governance Awards Committee
- Member, JSE Corporate Governance Committee
- Member, Planning Committee for the Diaspora Engagement Conference, University of Guyana
- Appointed Board Member to the University of Guyana Press.
- Member, JSE Corporate Governance Awards Main Committee Meeting, March 9.
- Chair of the Member Dealer Sub-Committees of the JSE Corporate Governance Awards Committee
- Chair of the Investor Relations of the JSE Corporate Governance Awards Committee.

**Mr Craig Perue**

- Member, Planning Committee of the “Diaspora Engagement Conference”, University of Guyana.

**Dr Lila Rao-Graham**

- Member, Feasibility Study Team for the founding of a School of Entrepreneurship and Business Innovation at the University of Guyana.

**Dr Clive Scott**

- Advisory Board Member, JLS Youth Empowerment

**Mr Michael Williams**

- Member, Jamaica Chamber of Commerce (JCC) Conference Committee Board

## STUDENT ACHIEVEMENTS

This past academic year was significant for the DBA programme, and saw seven DBA students successfully defending their doctoral theses during the period. The candidates were:

- Mr Rickert Allen (Cohort 4), *“Towards the development of a model for improving employee readiness for corporate transformation”*. January 11, 2017.
- Mrs Winsome Halliman (Cohort 4), *“Exploring the change patterns and characteristics of small and medium-sized enterprises”*. January 13, 2017.
- Mrs Marjorie Fyffe Campbell (Cohort 1), *“Principles of corporate governance and their efficacy in developing countries: A Caribbean perspective”*. February 24, 2017.
- Mrs Deloree Staple-Chambers (Cohort 3), *“Predicting tax compliance: The case of Jamaica”*. March 22, 2017.
- Ms Suzanne Wynter (Cohort 4), *“Credit risk in government mortgage lending”*. May 8, 2017.
- Mrs Karlene Bailey (Cohort 2) *“Entrepreneurial orientation and the performance of small and medium-sized enterprises in Jamaica: Considering the contingent effects of the environment and resources”*. June 5, 2017
- Mr Steve Whyte (Cohort 2), *“An examination of the relationship between social capital theory and software quality in free and open source software development”*. July 26, 2017.

Four other DBA students successfully defended their dissertation research proposals:

- Mr Stanley Beckford (Cohort 3), *“The determinants of early stage M&A performance in small island developing States/Emerging economies: The case of the Caribbean”*. September 20, 2016.
- Mrs Claire Grant (Cohort 3), *“An exploration of the association between cultural context congruency and advertising effectiveness for television audiences in a small open emerging economy”*. September 28, 2016.

- Mr Douglas Lindo (Cohort 2), *“Family influence, firm performance and firm value in publicly listed companies in the Small Island Developing State: Jamaica”*. February 22, 2017.
- Ms Tamara Silvera (Cohort 3), *“Navigating uncertainty: Examining the impact of corporate governance on strategic risk taking and firm value”*. May 26, 2017.

MSBM students continued to make their mark with their outstanding achievements during the period under review:

- Three graduate scholarships were awarded to MSBM students – Francene Ennis (MBM); Kristina Brooks and Keon Price (both from the MSc Accounting programme), under the MOU with JMMB.
- Melanie Taylor and Mishica Bonner, MSBM undergraduate students from the UWI Tourism Society, won the final local judging round of the Global Travel and Tourism Partnership (GTTP) Case Study Research Competition and represented Jamaica in the 2016 GTTP Research Competition & Awards in Nice, France.
- Five undergraduate students – Khalid Smith, Dayandria Clarke, Derica Gardner, Shawna-Lee Gordon, and Lando Graham - won the inaugural Chartered Financial Analysts (CFA) Caribbean Regional Research Challenge competition and went on to represent The UWI Mona in the CFA Americas Regional Research Challenge competition in Seattle, USA.



# **INSTITUTE AND RESEARCH CENTRES**

**Mona**

Year ending July 31, 2017

## EARTHQUAKE UNIT



**Professor Simon Mitchell**, BSc *Hull*, PhD *Liverpool*  
Acting Head of Unit

### INTRODUCTION

The Earthquake Unit (EQU) is a research unit in the Department of Geography and Geology that is funded directly by the Government of Jamaica (GOJ) as the sole agency responsible for the monitoring of earthquakes and research in seismic hazards in Jamaica. The EQU budget is supported by the Government of Jamaica with allocations through the Ministry of Science Technology Energy and Mining (MSTEM). The EQU acts as a Data Centre for the Comprehensive Test Ban Treaty Organization (CNTBTO) and contributes data to the upcoming Caribbean Tsunami Warning Network in conjunction with the United States Geological Survey (USGS).

### WORK OF THE UNIT

The Earthquake Unit (EQU) at the University of the West Indies (UWI), continues to operate the Jamaica Seismograph Network (JSN), Jamaica

## Earthquake Unit

Strong Motion Accelerograph Network (JSMAN) and GPS Network along with operating the USGS-GSN broadband digital station at Mount Denham in Manchester. The EQU is also Jamaica's National Data Center (NDC-JM) for the Preparatory Commission for Nuclear Test Ban Treaty Organisation (CTBTO), where we operate equipment to access Seismic data, Hydro-acoustic data, Infrasound data and Radionuclide data from over 337 stations around the world.

For the year August 1, 2016 to July 31, 2017 the focus of the Earthquake Unit was on the upgrading of the Jamaica Seismograph Network (JSN), and the expansion and upgrade of the Jamaica Strong Motion Accelerograph Network, through funding from the World Bank Seismic Support program. The funding was approved and the Jamaica Social Investment Fund (JSIF) handled the procurement of equipment and construction work.

A significant amount of work was done during this period; field work included the investigation and selection of new sites for the installation of new stations, and working with suppliers on specification for the civil works and for all the equipment to be acquired. The upgrading of the EQU included work to improve on the seismograph stations with the building of five new seismometer vaults to accommodate the new digital broadband seismometer that will be purchased and installed at the station and the construction of a new seismic station. We finalized the specification for these sensors; 10 new broadband seismometers, 30 new accelerographs with digitizers were ordered. We started preparation for the upgrading of the solar power system at the Earthquake Unit's Central Recording Station and for the installation at the new stations that were under construction. We also made preparation for the installation of lightning and grounding systems and a communication tower at the Earthquake Unit's Central Recording Station and at the new seismic station to be built at Mount Edgecombe in Westmoreland. We negotiated with the Urban Development Corporation (UDC), to get permission to use lands owned by the UDC at Mount Edgecombe in Westmoreland to build the new seismograph station. The new station will be a 10 foot by 10 foot house for the seismograph station, with solar panels mounted on

the roof to power the equipment at the station. A communication tower will also be installed to enable communication.

## **NETWORK PERFORMANCE**

The JSN continues to operate with twelve (12) short period seismograph stations, four (4) digital broadband stations and seventeen (17) accelerograph stations. For the annual network performance we had two broadband station (STHB and MTDJ) working normally during this period, with close to 100 percent up time and one broadband station (YHJB) working for half the period, due to theft of equipment. The Montego Bay station remained down for most of the period resulting from construction of the communication tower at Kempshot and the subsequent lightning and grounding work undertaken after the towers completion. We installed a broadband station at Portland Cottage but there were issues with the digitizer and communication module which was sent back to the factory for repairs. For this period, we had several damaged Guralp equipment sent back to the factory for repair and re-calibration. This included two Guralp CMG-6TD seismometers that were used for microzonation studies, and two of the Guralp digitizer and communication module which were affected by lightning. The short period stations operated for most of this period, with some stations remaining down longer than normal as we had some delays in getting some of the spares needed; we started work on upgrading the network, which was time consuming

The station at Old Harbour was affected by the changes at the location, as JPS started the construction of a new power plant. Most of the other stations worked for most of this period.

## **EARTHQUAKES RECORDED**

The JSN recorded 89 local events (Table 1) for the period from August 2016 to July 2017, slightly more than in the previous year when 79 were recorded.

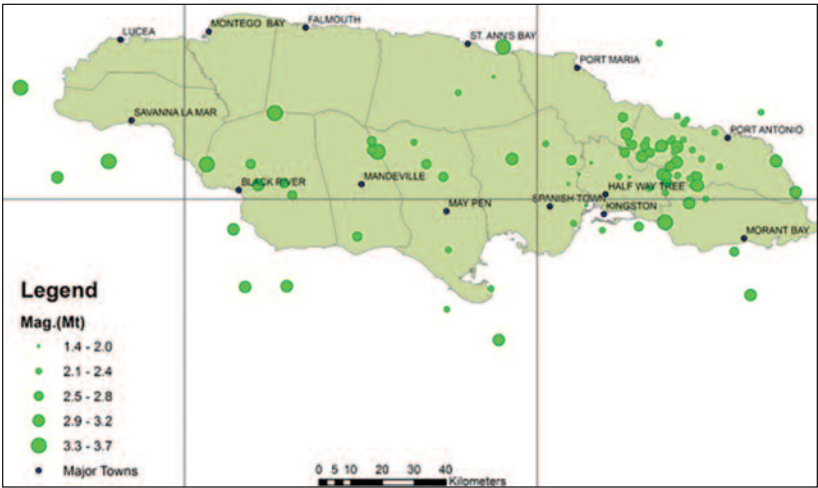
The largest 'cluster' of earthquakes was located to the north-east of Kingston in the south-western Blue Mountains Block/Wagwater Belt,

# Earthquake Unit

**Table 1:** Events recorded by the Central Recording Station at the EQU from August 2016 to July 2017; of the 89 local events recorded, eight were felt

EARTHQUAKE EVENT SUMMARY 2016 to 2017												
Year	Month	Located Events			Total located	Recorded Events					Total recorded	Felt Events
		Local	Near			Local	Near	Regional	Distant	Blasts		
2016	Aug	0	1		1	0	1	7	0	2	10	0
2016	Sep	2	3		5	2	3	9	0	1	15	0
2016	Oct	3	3		6	3	3	3	0	6	15	0
2016	Nov	7	7		14	7	7	6	0	4	24	1
2016	Dec	9	1		10	9	1	9	0	5	24	1
2017	Jan	8	18		26	8	18	7	0	6	39	2
2017	Feb	8	9		17	8	9	10	0	3	30	1
2017	Mar	14	2		16	14	2	6	0	5	27	0
2017	April	9	6		15	9	6	9	0	3	27	0
2017	May	10	2		12	10	2	9	0	3	24	0
2017	Jun	12	1		13	12	1	8	0	1	22	2
2017	Jul	7	5		12	7	5	7	0	8	27	1
ALL	Totals	89	58		147	89	58	90	0	47	284	8

which is the main subarea for earthquakes in Jamaica. Scattered earthquakes also occurred elsewhere but there were no other clusters (**Figure 1**).



**Figure 1.** Earthquakes in Jamaica from August 2016 to July 2017

The total number of events processed by the Jamaica Seismic Network was 284, which included: 89 local events, 58 near events, 90 regional events, and 47 blasts (Table 1).

### **COMMUNITY SERVICE**

The Earthquake Unit works in close collaboration with ODPEM and the Jamaica Institution of Engineers in disseminating the findings of research. The EQU also provides information/advice that is of national significance to both institutions.

## ELECTRON MICROSCOPY UNIT



Klaus W. Wolf, PhD  
Head of Unit

### WORK OF THE UNIT

The Electron Microscopy Unit was instrumental in assisting various interested persons to benefit from its facilities and services during the 2016/2017 academic year. Researchers on and off the Mona Campus, Graduate, Undergraduate and High School students received research results, training, exposure and understanding of electron microscopy (EM), optical microscopy (OM), macrophotography and scientific photography. The main investigations done and services provided are listed in Table 1.

A lecture and laboratory sessions were conducted in the EM module of the undergraduate virology course “BIOL3404” from the Department of Life Sciences. Mr. Reid contributed to the graduate course **Forensic Sciences** from the Department of Basic Medical Sciences which involved lectures and a laboratory session on Microscopy. Laboratories and lectures on Scientific Photography and Microscopy were presented in the

**Table1.** Main investigations and services undertaken during the 2016/2017 academic year.

Specimen	Technique	Institution
Fish Teeth	OM	Dept. Life Sciences
Insect Larvae (2 different students/researchers)	OM	Dept. Life Sciences
Kidney Stones	OM	Dept. Physics
Margarine (2 different students)	OM	Dept. Chemistry
Rock Sections (6 different students/researchers)	OM	Dept Geography & Geology
Starch Grains	OM	Dept. Chemistry
Wax Sections	OM	Dept. Chemistry

undergraduate course **Research Skills** from the Department of Life Sciences by Dr. Klaus Wolf.

## RESEARCH IN PROGRESS

Gamete structure and development in insects, using various microscopic techniques.

The collaboration with Zoologists from the University of Salzburg (Austria) on *Ciliates in tank bromeliads* continues and a collaboration on *Jamaican Onychophora* (velvet worms) has been established with Zoologists at the University of Kassel (Germany).

**PUBLISHED WORK (CHAPTERS IN A GERMAN TEXTBOOK OF GENETICS)**

**Wolf, K.W.** and Soppa, J. (2017) Nukleinsäuren, Chromatin und Chromosomen. In: *Taschenlehrbuch Biologie: Genetik*, Georg Thieme Verlag, Stuttgart, New York, p 1–49

**Wolf, K.W.** (2017) Meiose. In: *Taschenlehrbuch Biologie: Genetik*, Georg Thieme Verlag, Stuttgart, New York, p 229–253

**Wolf, K.W.** (2017) Formalgenetik. In: *Taschenlehrbuch Biologie: Genetik*, Georg Thieme Verlag, Stuttgart, New York, p 254–294

**Wolf, K.W.** (2017) Geschlechtsbestimmung. In: *Taschenlehrbuch Biologie: Genetik*, Georg Thieme Verlag, Stuttgart, New York, p 295–315.

## INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, MONA CAMPUS UNIT



Leith Dunn, BA (Hons) MSC *UWI*, PhD *LSE*  
Head of Unit

### OVERVIEW

During the 2016/2017 AY the IGDS Mona Unit programme priorities in Teaching, Learning & Student Development; Research, Publications and Innovation; and Public Service/Outreach continued to be guided by the 2012–2017 UWI's Strategic Plan and the new UWI Strategic plan centered on: Access, Alignment and Agility. Increased demand for gender specialists globally coincided with the UN Sustainable Development Goals (2015–2030) which includes Goal #5 (gender equality) and gender as a cross-cutting issue to achieve all 17 goals, providing continuity to the MDGs.

Highlights included: achieving the first 100 graduates from the BSc Gender and Development programme; 100 Minors in Gender and Development Studies; postgraduate scholarship winners; supporting

development of the UWT's Gender Policy and UWI Mona's Gender Action Plan; launch of the *The UWI Gender Journey: Recollections and Reflections* – the IGDS history by Professors Elsa Leo-Rhynie, Barbara Bailey and Joycelin Massiah, (University Press); several research projects, increased publications and outreach/advocacy. Major challenges were mould resulting in temporary closure of the office and students' financial problems which affected their performance.

## TEACHING, LEARNING & STUDENT DEVELOPMENT

**Undergraduate programme:** Delivery of the BSc in Gender and Development (Major) and the Minor in Gender and Development Studies continued. Total BSc enrolment was 127. The Unit welcomed 54 new students – including the first student using a wheelchair (male) and the first deaf student to matriculate to the UWI (a female). Their entry provided greater insights into the daily challenges of students with disabilities, and provided opportunities for advocacy and collaboration with other University Departments to adequately support their learning.

**Teaching:** The Unit delivered 18 courses to 717 students at Mona and the number included five courses offered at the UWI Mona's Western Jamaica Campus (WJC) and one at Moneague College. The enrolment represents a decrease in registration from 735 in 19 courses in 2015/2016. In Semester 1, 392 students (79 males and 313 females) completed nine (9) courses. In Semester 2, 325 students (73 males / 252 females) completed nine (9) courses. No Summer School was held because of the mould infestation in the building, negatively impacting revenue.

**BSc Majors Graduating:** On October 28, 2016, some **29** BSc Majors graduated (22 females and 7 males): nine (9) Upper second; 15 Lower second; and five (5) Passes. This resulted in a total of **100** BSc Graduates, since the BSc programme started in 2009/2010. **Gender Minors:** Thirteen (13) Minors were declared, making a total of **100** Minors declared to date.

**Minors at the WJC:** The programme was expanded for the second year with five (5) courses delivered to **45** students by part-time Lecturer, Ms

Carla Moore. She also delivered GEND3031 Gender Sex and Society to UWI's BA Literacy students registered at the Moneague College.

*Scholarship awardees:* Three (3) BSc graduates were awarded scholarships to pursue postgraduate studies overseas. Ms Shandy Scott, a 2016/2017 graduate, completed her Masters Degree in Public Policy at Peking University, Beijing, China. Mr Yohan Lee 2016/2017 First Class Honours graduate and Dorian Powell Prize awardee completed a double Major (BA Communications and BSc Gender and Development) and received a European Union, Erasmus Mundus (EM) scholarship to complete a Masters degree in Denmark. Mr Occero Fuller, a previous EM scholarship awardee, completed his Masters in Development at the University of Samoa in the Pacific, returned to Jamaica and was awarded another EM scholarship to pursue his PhD in Tourism Management at the University of the Pacific in Samoa.

**Analysis of Enrolment trends:** Decreased enrolment in gender courses from 735 in AY2015/16 to 717 in AY2016/17, was attributed to: continued lack of public awareness of gender and development as a career option among students, teachers and parents; absence of CSEC/CAPE gender courses; the Unit's limited capacity to fully participate in UWI Recruitment visits to schools.

## ENHANCED TEACHING AND LEARNING STRATEGIES

Students: Most did fairly well and average passes were 85% with only one course having a failure rate above 25%. Students were encouraged to improve their GPA. Students with GPAs below 2.0 were referred to the UWI Mona's Academic Support Unit and Counselling services.

The curriculum was updated, consistent with recommendations of the 2012/2013 Quality Assurance Review (QAR). Course outlines and readings were updated and one new course, 'Gender and Violence', was drafted by Dr Onuora in response to increased gender based violence.

Student internships organised to enhance teaching and learning included:

- a. *Inter-institutional partnerships:* Students registered in GEND3032: Gender Climate Change and Disaster Risk Management visited

Wigton Windfarm in Manchester and the UWT's Institute for Sustainable Development (ISD), on the Mona campus as part of their assignment.

- b. *Institutional Internships*: Three (3) students were placed as Summer Interns with Eve for Life (NGO), the Bureau of Gender Affairs (Government) and the UNFPA (international agency). Between June and August 2016, they learnt about the institution and completed work assigned, reviewed policies and supported gender mainstreaming. Analysis showed that few students were placed because several participated in the USA's Work, Study & Travel Programme to pay tuition fees.
- c. *Major challenges linked to Student Learning*: Approximately 5% of students were Required to Withdraw (RTW) because of poor academic performance. Waivers were granted for some following discussions on the causes of their low GPA. They were allowed to continue on condition of academic supervision, participation in the Student Academic Support Unit and the UWT's Counselling Unit. Increased Requests for Leave of Absence (LOA) were linked to inability to pay fees, which negatively impacted regular attendance and access to OURVLE.
- d. *Student Athletes*: Improved academic performance of some student athletes with Sports Scholarships was the result of special tutoring sessions delivered weekly pro bono by Ms Ingrid Nicely, Senior Administrative Assistant and Mrs Kimberly Carr-Tobias, Research Assistant.

## **SUPPORT TO POSTGRADUATE PROGRAMMES**

IGDS Mona Unit staff continued support for graduate programmes by serving as supervisors, advisors and examiners and guest lectures and modules for Masters, MPhil and PhD students within and outside the IGDS, locally and regionally.

*Graduate Teaching*: In Semester 2 Dr Dunn recruited Mrs. Judith Wedderburn (Former Director at Friedrich Ebert Stiftung) to deliver her annual Gender and Trade Guest Lecture in the UWT's MSc International

Relations programme. On her return from sick leave (January 23 to March 21 2017, Dr Dunn continued annual on-line delivery of FMMS6321 *Gender Issues in Health* module in the Faculty of Medical Science's Family Medicine programme. This year, only medical doctors registered at UWI Cave Hill completed the course joining weekly from Antigua and Barbuda, Barbados, St Lucia and Guyana.

*Graduate Supervision and Examination:* Dr Dunn supervised 5 graduate students (2 PhDs; 3 MPhil/PhDs) most of whom made progress in their research and writing, conference participation and some submitted articles for publication. She also served as advisor for 2 MPhil/PhD IGDS students and was Internal UWI Examiner for one PhD thesis of a candidate in SALISES (Cave Hill).

### **Strategies to Create the Ideal UWI Graduate/Cross-Faculty Teaching**

**Undergraduate:** The Unit continued to support delivery of the module in FOUN1201/FD12A on 'Gender Ethics Science and Technology', and participated in the UWI's review of Foundation courses, making recommendations to strengthen gender components.

**Research:** High demand for the Unit's collaboration on gender related research continued; most research was to mainstream gender in development policies and programmes across various sectors. Members of the Unit were involved in six (6) gender-related research studies: the Care Economy/Unpaid work; Gender, climate change and disaster risk management and mainstreaming gender in agriculture and agro processing.

**Gender Policies and Action Plans:** The Unit continued to support two UWI initiatives: i) Implementation of The UWI Mona's Gender Task Force's Gender Action Plan, to support implementation of the National Policy for Gender Equality (NPGE) in Jamaica; and ii) the UWI Gender Policy with the IGDS' Regional Coordinating Office, Campus Units and other stakeholders.

The Unit's staff was also involved in the following research studies:

**Title: Towards an Understanding of Structural Drivers of HIV/STI**

**and Protective Factors among Sexual and Gender Minority Youth in Kingston, Jamaica:** This two-year study was completed by Dr. Annecka Marshall, Dr. Carmen Logie, University of Toronto partners and the Jamaica Aids Support for Life (JASL). The research expanded knowledge to reduce HIV/STI risks, analysed pathways to promote equitable healthcare among Sexual and Gender Minority Youth (SGMY) in Kingston, Jamaica, and counterparts in Canada. Publication output included a jointly authored journal article by the team entitled: “Prevalence and Correlates of HIV Infection and HIV Testing among Transgender Women in Jamaica”.

**Title: UWIHARP and PRIDE In Action Research Project:** In April 2016, Dr Marshall joined a two year project coordinated by the University of the West Indies HIV and AIDS Response Programme (UWIHARP), the National Family Planning Board and funded by the Global Fund for HIV and AIDS. The qualitative study seeks to increase access to healthcare services for LGBTQI students and staff at the UWI campuses at Mona and Western Jamaica and supports the national HIV/AIDS programme. It also aims to increase health knowledge to benefit UWI's LGBTQI students and staff.

**Title: Human Trafficking in Jamaica:** In March 2016, the final report of this 2015–2016 study on Human Trafficking was submitted to the Ministry of Justice's National Task Force against Trafficking in Persons (NATFATIP) and the UNDP. The study contributed to Jamaica's improved ranking on the US State Department's Trafficking in Persons Watch list from Tier 2 Watch list to Tier 2, in June 2016, thus avoiding the threat of a Tier 3 ranking which implies the suspension of non-humanitarian aid from the US to Jamaica. The study supported the development of a National TIP policy, improved national capacity to detect, respond to and report on TIP, prosecute traffickers and protect victims. Research outputs included: a) A Situational Analysis of Human Trafficking in Jamaica report (an update on the 2007 study on Trafficking in Persons in Jamaica (Sybil Ricketts and Leith Dunn); b) an Anti-Trafficking/TIP Information System and Database; c) a TIP Data-sharing Protocol and Brochure to improve data sharing with NATFATIP; d) a Communications Plan and a

review of legislation. Dr Dunn and the research team presented research findings at a UNDP/ Ministry of Justice public event on Human Trafficking on July 28, 2016, at the Jamaica Pegasus Hotel. Research findings have also been used for several public lectures and events.

**Title: The African-Caribbean Women's Mobility and Self-fashioning in Post-diaspora Contexts Network:** This research project funded by the UK's Arts and Humanities Research Council (AHRC) (34,000 pounds) is a joint initiative of the London South Bank University (LSBU) and UWI's IGDS Mona Unit. Principal Investigator is Dr Suzanne Scafe, of LSBU, and Co-Investigator is Dr. Leith Dunn (IGDS MU). The AHRC grant has been used to: establish a multidisciplinary Research Network of 13 female scholars from universities in the UK, North America and the Caribbean; establish a website <http://www.lsbu.ac.uk/schools/arts-and-creative-industries/research/africancaribbean-women-postdiaspora-network>; organise four research seminars (LSBU – April 2017, UWI Mona -September 15–16 2017; and U of Toronto and LSBU in 2018. Outputs will also include: two edited publications, and a larger research proposal to the AHRC. The project supports research on new and emerging migration and diaspora issues during the current UN International Decade for People of African Descent.

**Title: Enhancing Knowledge and Capacity in Comprehensive Disaster Management (EKACDM) Initiative:** The IGDS Mona Unit is supporting implementation of the gender component of this five-year project implemented by the UWI's Institute for Sustainable Development's Disaster Risk Reduction Centre (DRRC) with funding from Global Affairs Canada. The EKACDM Initiative supports implementation of the Comprehensive Disaster Management (CDM) Framework for 2014–2024 led by the Caribbean Disaster Emergency Management Agency (CDEMA). The gender component being implemented by the IGDS Mona Unit includes: research with stakeholders in nine countries across five sectors (agriculture, tourism, health, water and sanitation and financial management). The aim is to assess knowledge and capacity for gender mainstreaming, and identify training needs. Research outputs include two gender training manuals, two training strategies and an

implementation plan for policy makers. The project will build knowledge and capacity to integrate gender in Comprehensive Disaster Management. (The research included a literature review and primary data collection from an on-line survey, interviews and focus group discussions with stakeholders attending two consultations: an FAO/CDEMA consultation held in Guyana (April 15–19, 2017) to promote gender mainstreaming in the agricultural sector and another organised by the Caribbean Institute for Meteorology and Hydrology to launch the 2017 Hurricane/Wet Season held in St Vincent and the Grenadines between May 28–June 2, 2017. The IGDS MU's research team includes Dr Dunn, Mrs. Indi McLymont-Lafayette and Mrs. Carr-Tobias.

**Title: The Care Economy and Women's Economic Empowerment: The Case of Jamaica':** Dr Adwoa Onuora is Principal Researcher for this Caribbean Policy Research Institute (CAPRI) project funded by the European Union. The aim is to research women's economic empowerment, unpaid work and the care economy in Jamaica. Outputs: Report on a literature review on the gender and child care and global child care models; a national time use survey (TUS); data on private-sector sponsored child care support programmes that could be used as models for other companies in Jamaica and elsewhere. Findings will guide recommendations on policies and strategies to address the problem of unpaid care work. The team also includes the CaPRI team and Ms. Shinique Walters (Department of Government). They submitted a proposal the UWI Mona Principal's Research Fund for additional funding to increase the sample size to conduct a national study which was supported by the HOD, IGDS Mona. Between July–August 2017 the desk review was completed and a pilot study conducted for this study which will include a sample size of 300 participants.

**UWI Research Days 2017:** February 1–3, 2017

IGDS Mona Unit's participation in 2017 Research Days included:

- a Public lecture by Mrs. Indi McLymont-Lafayette entitled: 'Human Trafficking and the Culture of Silence in Jamaica' who was a member of the MCU team that conducted the 2015/2016 study on Human

Trafficking in Jamaica for the National Task Force Against Trafficking in Persons;

- b. Research posters from research studies conducted throughout the year;
- c. Information for the UWI's Policy Wall, from policy research on the situation of Household Workers in Jamaica used to supported ratification of C189 by the Jamaican government on September 22 2016.

## OUTREACH PROGRAMME

Major activities included:

- **International Women's Day (IWD) March 8–11, 2017:** The Unit participated in several events and these included: The annual Mary Seacole Hall Public lecture, delivered by Dr Adwoa Onuora, entitled "*Writing about Oppression on Sacred Ground*", on March 8, 2017; 2) The EU/IGDS Bus/School Tour on March 9, 2017 to three (3) Kingston-based High Schools to promote awareness to eliminate violence against women and girls; 3) the Tambourine Army's Survivor Empowerment March, held on Saturday, March 11, 2017, in Kingston; 4) the IGDS Mona Unit's WJC Symposium entitled "*A Nuh So It Fi Go*", on March 8, 2017, at the UWI Mona's Western Jamaica Campus
- **International Men's Day, held November 18, 2016:** A Rap session entitled '*Who is Listening to Our Males? Ensuring their safety, protection and wellbeing*', which was facilitated by Mr. Joseph Heron, Dean of Discipline, Haile Selassie High School, Rev. Dr Lester Shields, Counsellor at The UWI, Mona Campus and Mr. Keith Gardner, Director of Campus Security and Retired Assistant Commissioner of Police (ACP). Participants included students from UWI, Mona High and Haile Selassie High Schools.

## **STAFFING**

### **Human resources**

Academic staff: There are seven (7) faculty members full time and part time, two (2) administrative staff and one (1) Office Attendant.

**Workplace Safety and Health Issue:** Mould infestation in the Alister McIntyre Building where the Unit's offices and Seminar Room are located caused severe health and safety problems for staff, students and visitors. Despite considerable financial expenditure by the Principal and Campus Administration to address the problem, continued poor air quality led to the decision in January 2017 to temporarily close the office. Alternate locations were identified to accommodate tutorials normally held in the seminar room. Staff worked 'virtually' and used creative methods to operate while continuing efforts to negotiate access to temporary office space. Various UWI departments provided support. Mary Seacole Hall – space in their hall for some tutorials and staff meetings. CARIMAC – mail collection and delivery; the IGDS Regional Coordinating Office in the VC's Office offered temporary office space for one staff member for a few weeks. The Bursary staff provided access to desk top computers to use Banner.

**Work-life Balance:** The goal of improving work-life balance and stress levels was not achieved. Stress increased significantly with the prolonged difficult working conditions. Despite the challenges, the MU staff continued to deliver courses and submit exam grades on time, support students, and address many requests for gender training, guest lectures, and technical assistance for data and to mainstream gender in national policies and programmes, as well as requests for media interviews and from visiting researchers.

## **SERVICE TO THE UWI-12 COUNTRIES AND UNDERSERVED COMMUNITIES**

### **Service to UWI 12**

Dr Dunn delivered two lectures on Human Trafficking as part of the IGDS/Open Campus Lecture series in Kingston and in Montego Bay.

## Support to underserved communities

Main activities included:

- **UWI Childcare Needs:** Dr Onuora served as IGDS Mona's representative on the HRMD Task Force to address childcare needs on the campus. A needs assessment survey instrument was drafted and some funds were received from CHASE to support the renovation of a former childcare facility which is slated to open in January 2018.
- **Diversity:** Dr Marshall served as IGDS Mona's representative on the Mona Principal's Task Force on Diversity and Inclusion. Ms Carla Moore PT IGDS Mona Lecturer at the UWI WJC served as a Mentor for the J-FLAG youth mentorship programme. She also submitted a funding proposal and coordinated the UWI WJC Safer Campus Initiative to sensitize staff members on how to offer better services to students with disabilities, survivors of domestic violence, and students from diverse gender and sexual backgrounds.

## PAPERS PRESENTED

### Major Conferences/Seminars

- **Mothers, Mothering, Motherhood in Today's World: Gala Conference,** October 14–16, 2016 in Toronto, Canada: Dr Onuora delivered the keynote presentation, entitled "Socializing Reproductive Labour: Towards the Emancipation of Women's Unpaid Care Work".
- **10th Anniversary Conference of (CEGENSA) Centre For Gender Studies and Advocacy, College of Humanities, University of Ghana,** October 27–29, 2016: Dr Marshall presented a paper entitled: 'Lift As We Climb': The Power Of African Sisterhood' at this conference entitled "Gender And Women's Studies For Africa's Economic And Socio-Cultural Transformation".
- **African Caribbean Women's Migration and Disapora Network Consultation,** April 12–13 2017 London South Bank University (LSBU): Dr Dunn presented a paper entitled: "Globalisation Struggle and Survival of Jamaican Women Migrants", at the first AHRC-funded Consultation.

- **Latin American Studies Association (LASA 2017) Conference, Pontificia Universidad Católica del Perú, Lima, Peru**, from April 29–May 1, 2017: Dr Onuora presented a paper entitled: “Intersectional Approaches and Dialogues on Black Women, Black Feminism(s), and Popular Feminism(s) in Latin America and the Caribbean”.
- **SALISES Caribbean Child Research Conference** November 2, 2016, at the Golf View Hotel, Mandeville: Dr Dunn presented a paper entitled: “Child Trafficking and Missing Children in Jamaica”, at the annual SALISES Caribbean Child Research Conference. The Conference theme was ‘Promoting the Rights of Children in extremely difficult circumstances’.
- **UWI Mona Beyond Homophobia Conference:** January 27, 2017, Two IGDS, MU staff presented papers: Ms. Moore on “Tales from the Field: Myths and Methodologies for Researching Same Sex Desiring People from the Caribbean”, with Nikolai Attai (doctoral candidate at University of Toronto) and Krystal Ghisyawan (PhD Post-Doctoral Fellow at Rutgers University). She also moderated the opening plenary, featuring activists Colin Robinson and FJ Genus and academics Professor Rinaldo Walcott and Dr. Natalie Bennett. *Dr Onuora* co-authored and presented a paper entitled, “Toward a Working-class Queer Agenda in Jamaica that also Centres Gender and Race”.
- **Global Reggae Studies Conference**, 2017, February 9–11, 2017: Dr Onuora presented a paper entitled “Critical/Reggae Dancehall Epistemology and the Politicization of Education”, held at The University of the West Indies, Mona, February 9–11, 2017.
- **IGDS Tanya Stephens Symposium June 2017.** Dr Onuora organised and chaired this symposium held as part of the IGDS Regional Strategy and Planning meeting. This was a joint initiative with UWI colleagues from the Board for Undergraduate Studies and the Institute for Caribbean Studies. Dr Dunn presented a paper on Tanya Stephens as a businesswoman in the Jamaica music industry.
- **International Association for Feminist Economics (IAFFE) at the Women’s University, in Seoul. South Korea July 2017.** Dr Dunn

attended this annual conference and was nominated as co-chair of the Labour Market Research network. Jamaica is also proposed as the venue for the 2021 IAFFE conference.

## PUBLICATIONS

### Book Chapters

- **Leith Dunn, L.**, Samuels, A., (2016), 'Gender Equity and Access in the Caribbean ICT Sector'. In Laura Robinson, Jeremy Schulz, Hopeton S. Dunn (Eds.) *Communication and Information Technologies Annual (Studies in Media and Communications, Volume 12.* Croydon, United Kingdom: Emerald Group Publishing Limited, pp. 65–91.
- **Dunn, L.** (2016). 'Integrating Men and Masculinities in Caribbean Disaster Risk Management'. In Enarson, E and Pease, B. *Men Masculinities and Disasters.* London Routledge, (pp. 209–218).

### Journal Articles

#### Dr Marshall

- Logie, C.H., Lacombe-Duncan, A., Brien, N., Jones, N., Lee-Foon, N.' Levermore, K., **Marshall, A.**, Nyblade, L. and Newman, P.A. 'Barriers and facilitators to HIV testing among young men who have sex with men and transgender women in Kingston, Jamaica: A qualitative study'. *Journal of the International AIDS Society (JIAS)* 2017, 20:21385.
- Logie, C.H., Wang, Y., Lacombe-Duncan, A., Jones, N., Ahmed, U., Levermore, K., Neil, A., Ellis, T., Bryan, N., **Marshall, A.** and Newman, P. A. 'Factors associated with sex work involvement among transgender women in Jamaica: a cross-sectional study'. *Journal of the International AIDS Society (JIAS)* 2017, 20: 21422.

#### Ms Ingrid Nicely

- Ms Nicely prepared the IGDS Mona Unit report for the Economic and Social Survey of Jamaica (ESSJ) 2016 published by the Planning Institute of Jamaica, March 2017.

### Technical Reports

- **Dunn, L.**, (2016). Gender-sensitive Policy for the Jamaica Employers' Federation to support the Transition to Formalisation of the Informal Economy, Kingston: ILO/JEF. Revised report.

### INCOME GENERATION

The Unit contributed an estimated JA\$26,638,569/US\$206,708.81 from tuition fees paid by students registered in the BSc Programme: 127 BSc students (76 part-time and 51 full-time).

### PUBLIC SERVICE

**Dr Dunn** is a member of the International Association for Feminist Economics (IAFFE), the Caribbean Studies Association (CSA) and serves on the Editorial Boards of the Caribbean Review of Gender Studies; the UWI's Journal for Education in the Caribbean (JEIC) and MEDICC. She is also a peer reviewer for two academic journals. In December 2016, she represented the UWI & IGDS at an EU LAC Foundation meeting in Berlin. In May 2017 she represented the IGDS as part of the UWI/University of Lagos (UWILAG) team to establish the Institute for African & Diaspora Studies and delivery of a joint Masters degree programme that was developed as part of an MOU with both institutions. Since 2016, she serves as part of the United Nations Secretary General's technical team for the High-Level Panel of leaders from business, government, civil society and academia to close the economic gender gap and place the economic empowerment of women at the top of the global agenda.

**Dr Marshall** served on: the Editorial board of the *Caribbean Review of Gender Studies Online Journal and Jonkonu Arts Journal* (Edna Manley College of the Visual and Performing Arts) Editorial Boards; Academic Peer Reviewer for: *Postcolonial Texts, the Social and Economic Studies Journal*, and the *Journal of Eastern Caribbean Studies*; Board of Directors of AWOJA; British Sociological Association; The Association of Black

Sociologists, The Association for the Study of the Worldwide African Diaspora (AWAAD), African Studies Association of Africa.; and member of the Caribbean Region of the International Resource Network.

**Dr Onuora** is a member of the following professional organisations: Motherhood Initiative for Community & Research Involvement (MIRCI); the Caribbean Studies Association, the Latin American Studies Association (LASA) and the IGDS representative for The Caribbean Child Rights Observatory Network (CCRON). She is a peer reviewer for the *Caribbean Journal of Education*, the *Social and Economic Studies Journal* and *Cultural Dynamics Journal*, and IGDS Mona Unit's Representative for VERJ (Voices for Equal Rights and Justice) tasked with advocacy around the revision of Jamaica's Sexual Offences Act. Her service to the UWI in 2016/2017 included Vice President of WIGUT Mona.

## INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, REGIONAL COORDINATING UNIT



Professor Verene A. Shepherd  
University Director & Regional Coordinator

### OVERVIEW

The Institute for Gender and Development Studies (IGDS) celebrates its 25th anniversary in the coming year, yet the question “Do you know your gender?” is one that has to be asked over and over again, and each time, even with the same person, we receive perplexed looks and diverse answers. Nonetheless, IGDS forges ahead as a multi- and interdisciplinary Institute of the University of the West Indies (UWI) that is ideally placed, giving it flexibility and extensive outreach.

The Regional Coordinating Office (RCO) functions as the administrative hub of the Regional Institute and as such, the University Director, based in the RCO, has oversight of the Campus-based Units. The primary task of the RCO is to coordinate major regional activities in consultation

with the Unit Heads and their community partners. In addition to its administrative duties, the RCO accepts its charge to help finance the enterprise and does so through collaborative initiatives with its partners, including UN Women, UNDP, UNFPA, the IDB and CDB. Currently, the RCO administers the Graduate Programme at the Mona Campus, but is investigating if it should continue in this role. In 2012, the Quality Assurance Team that reviewed the RCO's role of overseeing the Graduate programme recommended that all teaching should take place at the Mona Campus, with the RCO focussing on project-driven research and administration. The current RCO Director wants to take the necessary steps to move in this direction, but careful investigation, looking at and evaluating all the ramifications, is necessary before such a recommendation can be put forward.

IGDS' mission (which is currently being revised) directs the projects that IGDS adopts and administers. The Mission Statement follows: "To produce and disseminate knowledge to transform gender relations in the Caribbean, in support of the UWI's mission to enhance regional and international development." The vision seeks to ensure that "All UWI graduates are committed to social justice and the promotion of gender-responsive human relations and development."

In conjunction with the other IGDS Units, the RCO worked to evidence the above ideals by producing and delivering interdisciplinary and multidisciplinary programmes characterized by excellence in the following areas: **Teaching** -guided by Feminist Theories and Gender and Development perspectives, principles and practices; **Research** from a gender perspective that investigates societal issues and challenges and that results in publications; and **Building Partnerships** and mobilizing resources to facilitate its work that involve public service, outreach and activism to help in the transformation of gender relations and the promotion of social justice.

Most of the energies of the RCO during the period under review were directed towards ensuring that the Office continued to play its critical role in helping to shape several of the key strategic themes and goals of the Institute itself as well as of the wider UWI, falling under the broad

themes of: Teaching, Learning and Student Development, Researching and Innovation and Outreach.

In 2014, the larger IGDS, led by the RCO, was tasked by the UWI with developing a UWI-wide Gender Policy, to ensure the Institution's compliance with international standards at the tertiary level in the areas of gender equity, equality and parity and to eliminate sexism from the practices and processes of the UWI. The Regional Steering Committee comprising members of all the Campus-Based Units, the RCO, the Open Campus, the University Registrar and the Office of Planning and Institutional Research, with the help of a consultant provided oversight and implemented a work plan for the process on all campuses as well as at the Regional Headquarters. During the academic year (AY), a Working Group was established and a Rapporteur (Suzanne Charles Watson) appointed to complete the final draft version of the policy. The University Director presented the policy at the May/June UWI meetings and the Policy was endorsed by the Finance and General Purposes Committee. IGDS awaits the Vice-Chancellor's announcement of when it will roll out this policy to the entire UWI community under the One Campus mandate. IGDS is gratified that the Gender Policy has been accepted.

Following now in this report are some of the accomplishments of the RCO in the critical areas mentioned in this Overview.

## **WORK OF THE DEPARTMENT**

During the period under review, the RCO continued to play an important role under the broad themes mentioned above.

### **Teaching, Learning and Student Development, Research and Innovation and Outreach**

During the AY, the RCO offered the following Degrees in Gender and Development Studies: a Postgraduate Diploma; an MSc (with a Research Paper or 3-month internship report); and an MPhil and PhD Degree (in a wide range of related fields).

Eight graduate courses were offered during the period and taught by Drs Dalea Bean and Natasha Mortley, and adjunct staff Dr Jean Johnson, Ms. Judith Wedderburn and Ms. Joan French, with Professor Verene Shepherd, Ms. Wedderburn and Ms. French team teaching the Gender, Political Activism and Mobilisation course. Thirteen students were enrolled in the Master's Programme for the AY under review, and 34 students are currently in the combined Graduate Programme.

During the AY, meetings were held to review the graduate curriculum. The review process was spearheaded by Professor Shepherd, and Dr Bean. The process also involved other members of the RCO staff, as well as members from the IGDS, Mona Unit, adjunct lecturers and student representatives.

## **STAFFING**

The staff complement in the RCO remains small despite persistent requests for additional researchers. Nevertheless, supporting the various programmes and activities were, in addition to the University Director, Professor Verene Shepherd (up to July 28, 2017), Drs Dalea Bean and Natasha Mortley, Administrative Officer, Dr Roger Nesbeth (up to April 28, 2017), Junior Research Fellow, Mrs. Suzanne Charles Watson, Senior Secretary Mrs. Kadine Marshall who acted in the position of Administrative Officer from May 1 to August 31, 2017 and Senior Office Attendant,

Mrs. Margaret Rowe-Hunter. Mr. Floyd Williams was also employed in a temporary capacity as Senior Secretary from (May 1 to August 31, 2017).

## RESEARCH

The RCO continued to participate in regional research, which informs policy-making throughout the Caribbean. Below is a highlight of the major research undertaken during the period.

- **Jamaica Social Investment Fund Project – Institutional Strengthening in Gender Mainstreaming Project:** this project involves a comprehensive situation analysis of Caribbean men and boys (using Jamaica as a Case Study), with consideration given to the socio-cultural, economic and political impact on perceptions and representations of Caribbean masculinities. The project also explores the challenges and opportunities that the factors have created. An Inception Report was submitted on March 28, 2017. It is hoped that the findings will inform a Regional Masculinity Project.
- **Jamaica National Commission for UNESCO (JNC-UNESCO) & Ministry of Gender, Sport and Entertainment – Contemporary Caribbean Masculinities Project:** this pilot study is part of the wider IGDS Contemporary Masculinities Study. The research is being spearheaded by Dr Natasha Mortley. An inception report was submitted to UNESCO in March 2017 and a dissemination event is being planned.
- **History of the Gibson Relays Research Project:** this was commissioned by Professor Rainford Wilks on behalf of the Gibson Relays Committee and research was spearheaded by the University Director, Professor Verene Shepherd with research input from Mrs. Charles Watson, Mr. Kemal Brown and MSc. graduate student Mr. Deighton Stuart. Special mention should be made of the role of Drs Dalea Bean and Natasha Mortley. The book was launched in June 9, 2017.

## OUTREACH

The RCO engaged in several important outreach activities during the period under review. Some of the highlights included:

- **IGDS/European Union School Tour:** the RCO partnered with residents from the European Union Member States to host a series of conversations with students in some Jamaican high schools on the topic ‘*Gender-based violence and women’s economic empowerment*’.
- **Breakfast Forum:** this breakfast forum was held on March 17, 2017 in observance of Women’s History Month and International Women’s Day. The RCO honoured a number of outstanding women who had ‘broken the glass ceiling’ in their respective fields. The honourees included Hon. Portia Simpson Miller.
- **Re-enactment of the Trial of Governor Edward Eyre Play:** the RCO partnered with the Faculty of Law and presented the play, the Trial of Governor Eyre from December 3–18, 2016 at UWI, Mona.
- **Spunky Women Seminar:** the RCO commemorated 16 Days of Activism for the International Day for the Elimination of Violence Against Women (IDEVAW) by hosting a Panel Discussion entitled: Spunky Women, Abusive Men?: Conversations at the UWI on Domestic Violence, on December 8, 2016 at the UWI Regional Headquarters.
- **IGDS Regional Lecture Series:** the Regional Lecture Series was held in collaboration with the Open Campus under the theme “*Exploring Caribbean Feminisms: History, Culture and Movements of Social Change*”. The Series was launched on International Women’s day in March 2016 and ended in May 2017. Twelve lectures were delivered throughout the Caribbean. The RCO plans to publish the lectures.
- **Presentation to the Haiti Jamaica Society (HJS):** the RCO made a donation on November 7, 2017 of JA\$50,000.00 to assist with the recovery efforts in Haiti

## PAPERS PRESENTED

- **Dalea Bean.** “Walking the difficult road of Nationalism: Amy Bailey’s World War II Philosophy” Berkshire Women’s History Conference, Hofstra University, June 2–4, 2017.
- **Dalea Bean.** “It’s better in the Bahamas?: The case of Jamaican women’s struggle for empowerment in Nassau”, 10th International Workshop on Women in the 21st Century. University of Havana, March 6–9, 2017. (5 pages)
- **Dale Bean.** “Conversations on Gender-Based Violence and Gender Discrimination” IGDS Regional Lecture Series, Grand Cayman, November 15, 2016.
- **Natasha Mortley.** “Lessons Learned from Teaching Feminist Epistemology and Research within a Cross Cultural Context”, International Women in the 21st Century Conference, Havana Cuba. March, 6–8, 2017 (12 pages)
- **Natasha Mortley.** “Caribbean Women in the Diaspora: Shaping and Reshaping Policy. 46th Annual Conference of the Association of Black Sociologists, “Black sociology Matters.” Memphis TN. October, 6–8, 2016 (14 pages)
- Shepherd, V. and **Bean, D.** “Conversations on Gender-based Violence and Gender Discrimination”, IGDS Regional Lecture Series, Grand Cayman, November 15, 2016.
- **Verene Shepherd.** “Gender-Based Violence in the Caribbean: Historical Roots”, IGDS Regional Lecture Series, Grand Cayman, November 15, 2016.
- **Verene Shepherd.** “Justice and International Norms and Standards” UN Expert Seminar on the UN International Decade for People of African Descent, York University’s Osgoode Hall Law School, February 2–3, 2017.

## PUBLICATIONS

### Books & Book Chapters

- **Dalea Bean**, (2017) “Bodies in Conflict: Policing Sexual Liaisons in Jamaica during World War II” *World War II and the Caribbean*. Eds by Debbie Eccles and Karen McCollin, UWI Press. (20 pages)
- **Dalea Bean** and R. Sukhu. “Signs of the Future of Feminist Praxis and Practise: IGDS Graduate Students and the Evolution of Caribbean Gender Theorising”. *Caribbean Review of Gender Studies 10- IGDS Gold: Advancing Caribbean Feminist Scholarship*, eds Dalea Bean and Raquel Sukhu. (2016) (5 pages)
- **Natasha Mortley** “Building and Evaluating Research Capacity in Health Systems: Case Studies and Innovative Models”. *Building and Evaluating Research Capacity in Health Systems: Case Studies and Innovative Models*. Eds. By Nancy Edwards, Dan Kaseje, Eulalia Kahwa. Canada: UTC Press. 2016: 11–38 and 125–24
- **Verene Shepherd**. Foreword for the book: “*The UWI Gender Journey, Recollections and Reflections*” The University of the West Indies Press, 2017. xvii–xxiii

### Refereed Journal

- **Natasha Mortley**. “The impact of nurse migration on Caribbean health care systems: A Phenomenological approach”. *Sage Online Journal*, Sage Publications. January, 2017 (22 pages).
- Baldwin, A and **N. Mortley**. “Reassessing Caribbean Migration: Love, Power and Re Building in the Diaspora”. *Journal of International Women Studies*. Vol. 17, Issue 3 *Women and Gender: Looking Toward Caribbeanness*, 2016, 164–176
- **Verene Shepherd**. *The Gibson Relays, History & Impact on Jamaica's Sports Culture and Social Development*” Ian Randle Publishers, 2017.
- **Verene Shepherd**. ‘Reckoning with 1865 in 2015: the Morant Bay War & the Case for Reparations’, *Jamaica Journal*, 36:3, 2017: (33–39)

### **Non-refereed and Technical reports**

- **Natasha Mortley.** Inception Report: Contemporary Masculinities: A Pilot Study of Males, Crime and Community in Jamaica. IGDS – RCO. March 2017. (19 pages)

### **INCOME GENERATION**

For the period under review, the IGDS, RCO, continued to make fundraising for Project Research and Student Development a critical part of its mandate. The Office generated J\$1,066,891 from the MSc self-financing programme and successfully won the following bids and finalised MOUs/contracts with the relevant stakeholders:

1. Jamaica Social Investment Fund (JSIF), Gender Mainstreaming project – US\$45,000.00
2. Jamaica National Commission for United Nations Educational Scientific and Cultural Organisation (UNESCO), Caribbean Masculinities project – US\$18,000.

### **PUBLIC SERVICE**

#### **Dr Dalea Bean**

- Member of the Kiwanis Club of Young Professionals, Kingston
- Peer Reviewer, *Caribbean Quarterly*;
- Research Volunteer, 51% Coalition
- Planning committee member and participant: European Union/IGDS/Spanish Embassy School Tour against Gender Based Violence, Jan-April 2017

#### **Dr Natasha Mortley**

- Expert advisor to the OECS Secretariat on Engaging Caribbean Diaspora; Member Global Development Network
- Moderator, Jamaica Diaspora Connect Research Online

**Dr Roger Nesbeth**

- Member, Association of Caribbean Higher Education Administrators; Member, Human Resource Association of Jamaica

**Professor Verene Shepherd**

- Member of the United Nations Committee for the Elimination of Racial Discrimination (CERD)
- Co-Chair, National Council on Reparation (Jamaica)
- Vice-Chair, CARICOM Reparation Commission
- Editorial Board, *Caribbean Quarterly*, *Jamaica Journal*, *Journal of Caribbean History*, *Slavery and Abolition*, *Atlantic Studies*
- Host of “Talking History” on Nationwide 90 FM.

**Mrs. Suzanne Charles Watson**

- Member, Research Sub-Committee for the National Women’s Health Survey of Jamaica STATIN/IDB/PIOJ/UNWomen.

**STUDENTS**

The RCO continued to fund both financially challenged and outstanding graduate students, maintaining both a Fund for MSc students and the Louraine Emmanuel Fund. The Annual Louraine Emmanuel Scholarship presentation was made on November 7, 2016. The recipients were Miss Petulia Clarke, and Miss Nadine Wilson who graduated with distinction from the MSc programme in Gender and Development Studies. Both awardees, each received a cheque valuing US\$250.00, and a book on Gender and Development Studies.

**CONCLUSION**

The RCO is committed to research and activism in keeping with the VC’s mandate. IGDS continues to improve its throughput rate and participate in several public service and outreach activities. The RCO also maintains its regional and international links and is a leader in the

area of Gender and Development locally and regionally, with international impact. In the coming year, IGDS will play a key role in the implementation of the Gender Policy, will endeavour to provide an invaluable service to the institution and region while expanding its outreach into various communities.

## INSTITUTE OF CARIBBEAN STUDIES



**Dr. Sonjah Stanley Niaah, BA, PhD *UWI***  
**Director**

### **WORK OF THE DEPARTMENT**

The 2016/2017 academic year marked the Institute of Caribbean Studies' (ICS) 30th anniversary. To commemorate this milestone achievement, the ICS undertook a number of initiatives geared towards the fulfilment of its objectives and mission statement which included the staging of the International Reggae Conference and the International Conference on Stuart Hall. At the start of the year, we welcomed 88 undergraduate and 31 postgraduate students. Once again, we increased our student enrolment and course offerings, thus solidifying the Institute's relevance to the field of Cultural Studies. During the year, the ICS celebrated with Amina Blackwood Meeks and Nicole Plummer who successfully defended their PhD theses. Productivity during the academic year was however not limited to internal and academic efforts; the ICS staff engaged in a number of outreach activities and continued to contribute positively to the Jamaican society through public service.

## **STAFF MATTERS**

The Institute welcomed six (6) members of Faculty who assumed teaching responsibilities for the 2016/2017 AY.

- Mr. Jeremy Harding (renowned music producer and former manager of Sean Paul) taught the course CLTR2705: Music Business Management during Semester I
- Dr. Ajamu Nangwaya (Lecturer), replaced Dr. Erin MacLeod and taught CLTR2518: The Culture of Rastafari and CLTR2018: Introduction to Caribbean Folk Philosophy
- Dr. Lisa Tomlinson (Lecturer) taught CLTR3033: Reggae Aesthetics & African Diasporan Resistance, and CLTR3506: African Disapora Film
- Dr. Candia Mitchell Hall (Adjunct Lecturer) shared responsibility for FOUN1101: Caribbean Civilization
- Dr. Shelley-Ann Morgan (Lecturer) taught courses in Cultural and Creative Industries, Cyberculture and Material Culture
- Mr. Robin Clarke functioned as leave replacement for Professor Donna Hope who proceeded on Mona Research Fellowship leave. He also served as the ICS' FAQAC representative.

Mrs. Georgette McGlashen Miller returned in the capacity of Research Assistant and advanced efforts in building the research and publication profile of the department. During Semester II, Mrs. Karene Bernard was succeeded by Ms. Camelia Campbell who was permanently appointed to the post of Senior Administrative Assistant.

## **ICS SEMINAR SERIES**

As Coordinator for the ICS Staff/Postgraduate Seminar Series, Dr. Gosse organised an interesting slate of presentations from staff, students and visitors to the ICS, spanning a range of topics related to the field. The information below captures presentations made by visitors to the ICS during the academic year.

- **Professor John Bewaji**, Senior Lecturer, Department of Language, Linguistics and Philosophy. “Research Skills Matter”, October 13, 2016
- **Dr. Joseph B. Powell** General Manager, UWI Press. “A Discussion about Book Publishing”, October 27, 2016
- **Zachary Beier**, Assistant Lecturer, Department of History & Archaeology. “Garrison Cultures in Transition: Archaeology and Heritage at Fort Rocky, Kingston Harbour Jamaica”, November 10, 2016
- **Mr. David Aarons**, PhD Candidate, University of Washington. “Placing Reggae in Ethiopia: Negotiating Expectations in the Promised Land”, November 24, 2016
- **Dr. Erin MacLeod**, Lecturer, Vanier College “Post-Structuralism and Post-Colonialism”, February 16, 2017
- **Dr. Erin MacLeod**, Lecturer, Vanier College. “An Overview of the Major Theories of Space”, February, 23, 2017
- **Professor James Robertson**, Lecturer, Department of History & Archaeology. “Chinese Trade and Chinese Traders in Jamaica”, Mar 2, 2017
- **Professor Julian Henriques**, Associate Professor, Department of Media and Communications, University of London. “Dancehall: Subculture, Superculture or Hyperculture? How to Understand the Creativity of the Jamaican Music Scene”, March 16, 2017

## CONFERENCES/SEMINARS/WORKSHOPS

The ICS partnered with the Department of Sociology, Psychology and Social Work on the inaugural staging of the ‘Beyond Homophobia’ Conference (following the successful one day symposium in 2015) which took place at the Multi-Functional Room from January 26–28, 2017. The conference featured a line-up of scholars, activists, and members of the public engaged in discussion to advance the mandate of the UWI’s Technical Working Group – Diversity and Inclusion.

The 5th biennial staging of the Global Reggae Conference 2017 and

20th Annual Bob Marley Lecture, signature events of the ICS, took place during the period February 9–11. Some 80 presentations on panels and roundtables, in film screenings, and tributes, from scholars, students at home and abroad formed part of an effort to engage on the theme ‘Dancehall, Music and the City’. This 5th staging of the conference was intended to also recognise the work of retired colleague Professor Carolyn Cooper – former Head of the ICS and pioneer in advancing the academic programme in reggae studies. The Bob Marley Lecture was staged on Thursday, February 9, 2017 with presenter David Cupples.

The ICS hosted the Inaugural Stuart Hall Conference, June 1–5, 2017 which was a collaborative effort with the British Council, Stuart Hall Foundation and the Faculty of Social Sciences. There were over 60 presentations and the book *Familiar Stranger: A Life Between Two Islands* (Duke University Press) by Stuart Hall with Bill Schwarz was launched. On the night of the penultimate day of the conference, participants enjoyed an evening of jazz coordinated by Dr Myrna Hague-Bradshaw featuring Lorraine Klaasen (South African Jazz singer) and the Jamaica Big Band. This initiative was a tremendous success.

We also partnered with the Institute for Gender and Development Studies for the Inaugural Tanya Stephens Symposium which was held on June 14, 2017 under the theme ‘Rough Riding: Tanya Stephens and the Power of Music to Transform Society’. Ms. Trojean Burrell, MPhil candidate in Cultural Studies, served as Events Coordinator for all these events and her efforts were truly appreciated.

## PAPERS PRESENTED

- **Burrell, Trojean.** “Kingston’s Mobile Culture: An Historic Contextualisation” paper presented at the Crossroads in Cultural Studies Conference, University of Sydney, Australia, December 13–17, 2016
- **Carpenter, Karen.** “Transgender Identities in Jamaica and the World” paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017

- **Clarke, Robin.** “Life We Living: Messages of Protest in Vybz Kartel’s Voice of the Jamaican Ghetto” – Global Reggae Conference, February 9–11, 2017
- **Douse, Hugh.** “Clues for Multiculturalism from the life of Stuart Hall”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017
- **Gosse, Dave.** “Race and Missionary Culture in the Church of God of Jamaica”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017
- **Tomlinson, Lisa.** “Dancehall Queen, Dancehall, and a New Cinematic Aesthetics, paper presented at the Global Reggae Conference, February 9–11, 2017
- **Hope, Donna.** “Dancehall’s Scattered Children: Transnational Cultural Movements” Global”, paper presented at the Reggae Conference, February 9–11, 2017
- **Cooke, Melville.** “Extending the Border Clash to Corporate Sponsorship of Dancehall”, paper presented at the Global Reggae Conference, February 9–11, 2017
- **Cooke, Melville.** “Alcoholic Articulation: Jamaican Popular Music’s Iconisation of Red Stripe”, paper presented at the International Conference in honour of Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Henry, Kirt.** “Representations of Memory: A Critical Reading of Revival Dress in Postcolonial Jamaica”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Hickling, Deborah.** “Encoding and Decoding Plantation Society: Wistful Memories of Stuart Hall and Norman Girvan”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Hitchins, Ray.** “Sleng Ting: Redefining Jamaica’s Digital Riddims”, paper presented at the Global Reggae Conference, February 9–11, 2017

- **Mitchell Hall, Candia.** “Representing the Grenada Revolution: The Maurice Bishop Memorials”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Mitchell Hall, Candia.** “Memorializing a Grenadian Hero: Cultural Representations to T.A. Marryshow, 1980–2010”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Nangwaya, Ajamu.** “Advancing a Critical Reading of Gender, Race and Class and in the Film, *Dancehall Queen*”, paper presented at the Global Reggae Conference, February 9–11, 2017
- **Nangwaya, Ajamu.** “Amilcar Cabral’s “Class Suicide” and the Caribbean Petite Bourgeois Intellectuals’ Role as Organisers”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Nangwaya, Ajamu.** “Ready for Revolution? Organising Political Cultures of Oppression as Resistance in Jamaica”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Plummer, Nicole.** “Visualizing Poverty: Exploring Representation of Poverty in Popular Jamaican Music”, paper presented at the International Conference on Stuart Hall, The University of the West Indies, Jamaica, June 1–5, 2017.
- **Stanley Niaah, Sonjah.** “Strategising for Sustainable Development Through Creative ‘Industries’ – The Case of Jamaican Music”, paper presented at Inaugural Valuing and Evaluating Creativity, Mid Sweden University, Östersund, September 12–14, 2016.
- **Stanley Niaah, Sonjah.** “Babylon By Bus: Marley, Reggae and *Rastapolitanism* into the New Millennium”, keynote presentation at Australian and New Zealand conference of the International Association for the Study of Popular Music, Mackay, Queensland, December 9–11, 2016.
- **Stanley Niaah, Sonjah.** “One Belt One Road (OBOR) to Decolonisation

through Cultural Studies – The Case of the Caribbean’ Paper”, presented at ‘One Belt, One Road’ Initiative and New Modes of Globalisation, Conference, Guangzhou, December 10–11, 2016.

- **Stanley Niaah, Sonjah.** “Consuming the Nation: ‘Brand Jamaica’ and the Case of the State as ‘Celebrity’”, paper presented at the Crossroads in Cultural Studies Conference, University of Sydney, Australia, December 13–17, 2016.
- **Stanley Niaah, Sonjah.** “DanceHall In/Securities: Shifting the Philosophy and Geography of Entertainment Reasoning in Jamaica”, presented at the Caribbean In/Securities and Creativity Network Project Symposium on Jamaican Dancehall In/Securities, UWI Mona Campus, February 3–4, 2017.
- **Stanley Niaah, Sonjah.** “Mapping Notoriety and Consumption from Stigma to Brand Jamaica”, invited presentation at From Stigma to Brand: Commodifying and Aestheticizing Urban Poverty and Violence, Ludwig-Maximilians University, Munich, <http://www.stigma2brand-2017.ethnologie.uni-muenchen.de/program-stigma2brand.pdf> February 16–18, 2017.
- **Stanley Niaah, Sonjah.** “Shifting the Philosophy and Geography of Entertainment Reason – A Culture of Sound Regulation versus Noise Abatement in a New Regulated Era”, paper presented at the UWI - Western Jamaica Campus Lecture Series, February 28, 2017.
- **Tomlinson, Lisa.** “Creolising the Canadian literacy canon at Brandon University”, paper presented at the Black Studies Association Conference, Winnipeg, Canada, May 12, 2017.

## PUBLICATIONS

### Books and Monographs

- **Tomlinson, Lisa.** “*African Jamaican Aesthetic: Cultural Retention and Transformation across Borders*”. Netherlands: Brill Rodopi and Hotei Publishing. 2017. DOI: 10.1163/9789004342330

### Non-Refereed Journal Articles

- **Hitchins, Raymond** “Versions, Dubs and Riddims” in *Jamaica Jamaica!*, Cite de la Musique – Philharmonie de Paris, April 2017 pp. 46–49.

### Book Chapters

- **Plummer, Nicole** “Agriculture Innovation and Opportunities” in *Economic Transformation of Jamaica: Policies, Competitiveness and Technology Innovations* edited by Ricardo Anderson and Luz Longworth, Trafford Publishing, September 2016, pp. 233–253

### Other Publications

- **Mitchell-Hall, Candia** Review of *They Do As They Please. The Jamaican Struggle for Cultural Freedom After Morant Bay*, by Brian L. Moore and Michele A Johnson. Kingston: University of the West Indies Press, 2011. xii + 580 pp in 36: 3 (December 2016): pp. 90–91.
- **Tomlinson, Lisa**. “Andrew Salkey” Biography in *Dictionary of Caribbean and Afro-Latin American Biography*. Ed. Henry Louis Gates, Jr. and Franklin K. Knight: Oxford University Press, 2016. Pp.

### INCOME GENERATION

During Summer School 2017, the ICS mounted five courses which yielded approximately \$3,433,212.00 in revenue for the UWI.

### PUBLIC SERVICE

**Mr. Hugh Douse**

- Member of School Board, St. Catherine High School

**Mr. Dave Gosse**

- Chairman, Ardenne High School Board of Management

**Professor Donna Hope**

- Member, Student Loan Bureau’s Appeals Committee.
- Member, Ministry of Tourism’s Network Linkages Committee.

**Ms. Nicole Plummer**

- Advisor, Rastafari Coral Gardens Benevolent Society on matters of advocacy, training, exposure, proposal writing, etc.

**Dr Sonjah Stanley Niaah**

- Appointed as a member of the Culture Advisory Committee, Jamaica National Commission for UNESCO for the period 2016–2019.
- Member, Creative City Steering Committee, Ministry of Culture, Gender, Entertainment and Sport (formerly Ministry of Tourism and Entertainment).
- Member, Entertainment Advisory Board, Ministry of Culture, Gender, Entertainment and Sport.

**STUDENTS**

The following students received the respective prizes to honour their academic achievements at the Faculty Awards service held on November 3, 2016.

<b>Student</b>	<b>Prize</b>	<b>Value</b>
Mr. Kirt Henry	Stuart Hall Prize	\$10,000.00
Ms. Shanice Miller	ICS Prize	\$5,000.00
Ms. Tiffany Soy Smith	ICS Prize	\$5,000.00
Ms. Davae Walters	James Howard Prize	\$20,000.00

## INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)



**Charles Grant** MSc, *University of Surrey*  
**Director General**

The period 2016/2017 represents the first full academic year after the core conversion of the JM-1 SLOWPOKE research reactor. This delineation in time has seen the resumption of analytical activities for some of the International Centre for Environmental and Nuclear Sciences' (ICENS) core programmes, the continued participation in several active projects and the embarking on new endeavours. One of the most significant activities was to revise the corporate and strategic plans of the Centre to fully align its ambitions with those of Jamaica's Vision 2030 and the United Nations Development Programme's Sustainable Development Goals. ICENS was selected as a lead organization in the International Atomic Energy Agency's proposed interregional technical cooperation project for Small Island Developing States (SIDS) further bolstering the reputation of the institution and the confidence that external entities

have placed in the capacity of ICENS to meet the unique challenges of these stakeholders. Furthermore the reactor management's commitment to safety was validated by an independent peer-review mission by the IAEA, the Integrated Safety Assessment for Research Reactors (INSARR) which praised the efforts of ICENS in continuous improvement of the safety of the reactor.

## **WORK OF THE DEPARTMENT**

### **IAEA Coordinated Research Projects**

The reporting period saw continued involvement and meaningful progress in the participation of ICENS in various IAEA coordinated research projects (CRP). The CRP T33001 – Options and Technologies for Managing the Back End of Research Reactor Fuel Cycle – received funding during the period of €4,000. Under the CRP J02006 – Enhancing the Physical Security Effectiveness of Research Reactors and Associated Facilities, work progressed with ICENS designated as the lead on one of two thematic research areas. The Centre also received €9,000 in funding for this project. In July 2017 the IAEA accepted ICENS' proposal for the new CRP F11021-Enhancing Nuclear Analytical Techniques to Meet the Needs of Forensic Science.” The research contract has been signed and the first tranche of funding of €5,000 has been received.

### **Jamaican Marine Environment Research**

A new project has been incorporated into the environmental monitoring programme at ICENS where the vulnerability of primarily coastal regions of the island to anthropogenic influence including global climate change are assessed by the sampling of various compartments of the marine and coastal environment. The project has commenced with the sampling of marine sediments in the mainly industrialized area of the South Eastern section of the island and a section of the northern coast. Coastal sampling of Mangrove communities has also begun and will be expanded to an island-wide work with renewed collaboration with the Centre of Marine Sciences, UWI.

### **ICENS Air Quality Programme**

Initial sampling during the visit of a Third World Academy of Sciences (TWAS) fellow in 2015 was postponed during the latter part of the year due to core conversion activities. As mentioned in the 2014/2015 Departmental report this work was to be resumed in early 2017. Sampling activities actually resumed before this and continued with method development for analysis of the air quality filters.

### **TLD Services and Radiation Protection**

ICENS provides Thermoluminescence dosimetry (TLD) services for radiation workers internally, nationally and for clients within the Caribbean region. This section of ICENS was restructured and a new Radiation Safety Officer appointed. Commercial radiation protection services has continued to expand with the addition of seven (7) new clients to the monitoring program. This equates to an additional fifty (50) personnel (approximately). Eight (8) radiation surveys were conducted commercially along with five (5) radiation sensitisation sessions.

### **Carbon biogeochemistry (carbon emissions and sequestration)**

Dr. Adrian Spence has been appointed Lead Author for Climate Change and Land: an IPCC Special Report on climate change, desertification, land degradation, sustainable land management, food security and greenhouse gas fluxes in terrestrial ecosystems. He is also working with the Ministry of Industry, Commerce, Agriculture and Fisheries in an initiative supported by the Food and Agricultural Organization (FAO) in developing digital soil organic carbon maps for the island. Work also continues on carbon sequestration and its biogeochemical implications particularly as it relates to climate change.

### **Strengthening Cradle-to-Grave Control of Radioactive Sources in the Caribbean Region**

There was involvement in the regional Cradle-to-Grave, IAEA project which is geared at managing the use of sources both in use and disuse. There was further involvement at the national level in initiating a local

inventory of radioactive sources and a member of the department will be part of an expert mission to Guyana to assist them with initiating their national inventory this year.

## PAPERS PRESENTED

- **J.M.R. Antoine**, C.N. Grant, L.A. Hoo Fung, H.T. Dennis “Fingerprinting Food: Trace Element Research at ICENS”. IAEA Technical Meeting on Enhancing Nuclear Technologies to Meet the Needs of Forensic Science, Guildford, UK. September 5–9, 2016 (oral presentation).
- **J.M.R. Antoine**, L.A. Hoo Fung, C.N. Grant. “Assessment of the potential health risks associated with the aluminum, arsenic, cadmium and lead content in selected fruits and vegetables consumed in Jamaica”. First Food Chemistry Conference. Amsterdam, the Netherlands. October 30–November 1, 2016 (poster presentation).
- **J.M.R. Antoine**, C.N. Grant, H.T. Dennis. “Cradle to Grave Control of Radioactive Sources: The ARCAL Regional Effort.” International Conference on the Safety of Radioactive Waste Management. Vienna, Austria, November 21–25, 2016 (poster presentation).
- **S.A. Webster**, A. Spence. Soil organic inputs and soil organic matter: Impact of soil-water availability in crop production. Climate-Smart Agriculture Symposium, Jamaica Pegasus, September 13–14, 2016 (oral presentation).
- **A. Spence**. (Bio)geochemistry and global change. 5th Meeting of COMSATS ITRG on Climate Change and Environmental Protection, Beijing, China, September 28, 2016 (oral presentation).
- **L.A. Hoo Fung**, J.M.R. Antoine. “The Role of Trace Elements and Heavy Metals in Food Safety and Security”. 4th Biennial Conference and Expo, Scientific Research Council Jamaica. November 14–15, 2016 (oral presentation)
- **L.A. Hoo Fung**, J.M.R. Antoine. “Food security vs. food safety: the case of sorghum vs rice in Jamaica”. 30th EFFoST International

- Conference: Targeted Technologies for Sustainable Food Systems. Vienna Austria, November 28–30, 2016 (poster presentation).
- **L.A. Hoo Fung, J.M.R. Antoine.** “Preliminary Investigations of the Cadmium Content of Jamaican-Grown Cocoa: Perspectives on Health, Standards and Trade”. 2nd International Fine Cocoa Conference, Symposium & Chocolate Exposition, Kingston, Jamaica. February 6–7, 2017 (oral presentation).

## PUBLICATIONS

### Books and Mongraphs

- N. Kgabi, **C.N. Grant, J.M.R. Antoine.** Effects of Energy Production and consumption on air pollution and global warming. In: *Pollution and the Atmosphere: Designs for Reduced Emissions* Chapter 8. Ed. Marco Ragazzi. *Apple Academic Press, CRC Press (Taylor & Francis Group)*; 2017, 137–150.
- **C.N. Grant**, Contributing Author. *Strategic Planning for Research Reactors*, IAEA Nuclear Energy Series No. NG-T-3.16, April 2017.
- **A. Spence.** Application of nuclear magnetic resonance spectroscopy in molecular structure identification: a microbial biogeochemistry perspective. In: *Applications of NMR Spectroscopy* Chapter 3, Vol. 6. Ed. by Atta-ur-Rhaman and M. Iqbal Chaudhary. *Bentham Science Publishers* 2017, 1–42.

### Refereed Journal Articles

- **J.M.R. Antoine, L.A. Hoo Fung, C.N. Grant.** “Dietary intake of trace and heavy metals from consumption of instant coffees on the Jamaican market”. *Jamaican Journal of Science and Technology* 26:34–45
- **J.M.R. Antoine, L.A. Hoo Fung, C.N. Grant.** “Assessment of the potential health risks associated with the aluminium, arsenic, cadmium and lead content in selected fruits and vegetables grown in Jamaica.” *Toxicology Reports* 4 (2017) 181–187.

- **J.M.R. Antoine, C.N. Grant.** “The determination of the inhalable fraction of 40K activity in marijuana (*Cannabis sativa* L.) buds by instrumental neutron activation analysis and the effective dose to the body.” *Journal of Radiation Research and Applied Sciences* 10 (3) (2017) 289–294.
- **L.A. Hoo Fung, V.R. Rattray, G.C. Lalor.** “Assessment of cadmium, mercury and lead concentrations in Jamaican conch, lobster and tilapia”. *Jamaican Journal of Science and Technology* 26:46–49.
- F. Puig, **H.T. Dennis.** “Neutron fluence effects on SLOWPOKE-2 beryllium reflector composition and reactivity”. *Nuclear Engineering and Design* 305 (2016): 451–460.
- **A Spence.** “Degradation of microbial proteins in soil – molecular-scale understanding to the forms and dynamics of organic nitrogen in soils.” *Chemical Data Collections* 11–12, (2017) 108–118.
- S.A. Onjefu, S.H. Taole, N.A. Kgabi, **C.N. Grant, J.M.R. Antoine.** “Assessment of natural radionuclide distribution in shore sediment samples collected from the North Dune beach, Henties Bay, Namibia.” *Journal of Radiation Research and Applied Sciences* (2017) <https://doi.org/10.1016/j.jrras.2017.07.003>

### Technical Reports

- **L.A. Hoo Fung, J.M.R. Antoine.** “Sorghum Cultivation at Amity Hall: Trace Element Profile and Soil and Water Quality”. International Centre for Environmental and Nuclear Sciences, October 2016 (prepared for the Ministry of Industry, Commerce, Agriculture and Fisheries)

### Non-refereed Publications and Lectures

- **A Spence.** International lecture courses on atmospheric aerosol, Beijing, China. September 25–27, 2016.
- **A. Spence.** Don’t treat soil like dirt. *The Agriculturalist*, March 7, 2017, p.3.
- **L.A. Hoo Fung.** “Heavy Metal Exposure: Sources, Toxicology and

Methods of Analysis” Institute of Forensic Science and Legal Medicine,  
Ministry of National Security, Kingston, Jamaica. May 31, 2017.

## **PUBLIC SERVICE**

### **Mr. Johann Antoine**

- Chair, National Mirror Committee/ISO TC/93 Starch-including derivatives and by-products (Bureau of Standards Jamaica)
- Member, Soil Health Technical Working Group (Ministry of Industry, Commerce, Agriculture and Fisheries, Jamaica)

### **Mr. Charles Grant**

- Member of National Bioethics Committee
- ARCAL National Coordinator (Jamaica), and member of the ARCAL
- Technical Coordination Board (OCTA which oversees all ARCAL Projects).
- Member, Ministry of Energy Committee on Nuclear Energy as an option for Jamaica
- Member, NEPA/UNDP Committee for renewable wave energy technologies for the generation of electric power in small coastal communities in Jamaica
- National Coordinator for Incident Reporting system for Research Reactors
- National Coordinator, IAEA Radiation Safety Information Management System; (RASIMS).
- Chair, Hazardous Laboratory Waste Ad-Hoc Committee (Ministry of Science, Energy and Technology/ National Commission on Science and Technology)

### **Ms. Leslie Hoo Fung**

- Chair, National Food Standards Committee/ ISO TC/34 Mirror Committee (Bureau of Standards Jamaica)
- Codex Committee on Methods of Analysis and Sampling (Bureau of Standards Jamaica)

- Member, Hazardous Laboratory Waste Ad-Hoc Committee (Ministry of Science, Energy and Technology/ National Commission on Science and Technology)
- ISO/IEC 17025 Assessor (Jamaica National Agency for Accreditation)
- Member, Soil Health Technical Working Group (Ministry of Industry, Commerce, Agriculture and Fisheries, Jamaica)
- Member, Royal Society of Chemistry
- Member, AOAC International

**Mrs. Sandra Hunter**

- Fellow of the Institute of Chartered Accountants, Jamaica

**Mr. John Preston**

- Member, Land Information Council of Jamaica;
- Independent Member, GOJ Telecommunications Appeals Tribunal

**Dr. Adrian Spence**

- Member, Geochemical Society.
- Member, American Chemical Society
- Member, Royal Society of Chemistry
- Chemistry Ambassador and Co- Advisor, American Chemical Society (ACS) Student Chapter, UWI.

**Ms. Tracey-Ann Warner**

- ISO/IEC 17025 Assessor (Jamaica National Agency for Accreditation)

## SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES



**Professor Aldrie Henry-Lee, PhD**  
**Director**

### **OVERVIEW**

Staff movements continued this academic year. Dr. Terri-Ann Gilbert-Roberts proceeded on a one year Commonwealth Academic (Alumni) Fellowship and Professor Patsy Lewis started her second year's leave. Dr. Arlene Bailey, from the Department of Sociology, Psychology and Social Work, Mona replaced Dr. Terri-Ann Gilbert Roberts for the academic year. In spite of all these staff movements, SALISES Mona is able to report a successful academic year.

### **STRATEGIC PLANNING**

The Research Committee (Research Fellows and Heads of Units) focussed on strategic planning and prepared a draft strategic plan (2017–2022). All SALISES units prepared a SWOT analysis to inform the strategic

plan. The draft strategic plan was disseminated to participants at the SALISES Staff retreat in St. Augustine in April 2017. All units continued to collect data to inform the preparation of an operational plan.

### **SALISES RETREAT**

All SALISES Research staff and Heads of Units from all three campuses attended a retreat at St. Augustine, April 26, 2017.

### **RESEARCH**

SALISES staff continued to impact the policy process in Jamaica. The institute won a bid to complete a feasibility study on the Global Jamaican Immigration Card. The study is funded by the International Organization for Migration. SALISES also assisted in the preparation of a UNDP project proposal to assess human security in Jamaica.

### **SALISES STAFF SEMINARS**

Dr Dacia Leslie, Chair of the SALISES Staff Seminar Series hosted a series of successful staff seminars and public fora. These included:

- Alleyne, Dillon “The Role of ECLAC in the Caribbean”, 28 September 2016
- Alleyne, Dillon “A Strategy for Robust Growth and debt reduction in the Caribbean: The ECLAC perspective”, 30 November 2016
- Henry-Lee, Aldrie “Childhood and the Development Agenda in the Caribbean: Prospects and Challenges”, 18 May 2017
- Leslie, Dacia “Improving the [Re] integration of Jamaican Ex-prisoners”, 26 October 2016
- Northover, Patricia “Does Economics Trump the Politics of Race? Arthur Lewis on Racial Conflict and Development: A Critical Reflection”, 22 February 2017
- Thame, Maziki “Woman out of Place: Portia Simpson Miller and Middle Class Politics in Jamaica”, 25 May 2017

## **PUBLIC FORUM**

*Rejection of the UK Prison Deal*, March 22, 2017, UWI Regional Headquarters; presenters were: Senator the Hon. Parnell Charles (Jr), Minister of State in the Ministry of National Security, the Honourable Peter Bunting, Opposition Spokesperson on National Security, Bert Samuels, Pan Africanist and Attorney at Law, Horace Levy, Executive Director for Jamaicans for Justice, Maria Carla Gulotta, Coordinator Stand-Up Jamaica and Italian Honorary Consulate for Jamaica and Bernard Headley, Retired Professor of Criminology and Co-Founder of the National Organization of Deported Migrants (NODM).

## **CONFERENCES**

SALISES Mona was commissioned to coordinate a high-level regional Sustainable Development Goals (SDG) conference. The conference was hosted by the Ministry of Foreign Affairs and Foreign Trade and sponsored by the United Nations Development Programme (UNDP). Other conference partners included the Planning Institute of Jamaica and the University of the West Indies. A total of 16 countries participated with 9 Ministers of Government attending.

All SALISES Mona research fellows attended the annual SALISES conference held at St. Augustine under the theme “*Small Nations, Dislocations, Transformations: Sustainable Development in SIDS*,” April 26–28, 2017.

The 11th annual Caribbean Child Research Conference was held on November 2–4, 2016 at the Golf View Hotel in Mandeville. It was the first time that the conference was being held outside of Kingston. There were approximately 911 attendees at the conference.

## **TEACHING**

We welcomed seven new students to the Masters in Development Studies programme. They represented the fourth cohort of students who registered in that graduate programme. Based on comments from former students,

Research Fellows made proposals for the revision of the programmes. The revised MSc in Development Studies programme was approved by the Board of Graduate Studies and Research. At the MPhil/PhD level, we have continued our efforts to improve our throughput rate, monitoring student progress and communicating concerns to the students promptly.

## **INFRASTRUCTURE**

Efforts to improve infrastructure continued, the carpet was removed and the Documentation Centre tiled.

## **STAFF ISSUES**

Dr. Maziki Thame crossed the merit bar on the Research Fellow scale. Mr. Kevin Fraser was appointed to the post of Information Technologist. Dr. Aldrie Henry-Lee was promoted to the rank of Professor and was appointed Director.

## **ALUMNI**

The Alumni developed a work plan for the year 2017–2018. Among other activities proposed are the mentorship of the new batch of students and the hosting of an Alumni conference/round table.

## **SALISES NEWSLETTER**

The second issue of the *SALISES* Newsletter was prepared and is available online at our SALISES Mona website.

## **NORMAN GIRVAN DOCUMENTATION CENTRE**

The Centre continued to work with the Main Library to increase access to online databases. Some of the key activities during the period included the Library Upgrade Project, four in-house library exhibitions on Sustainable Development Goals (SDGs), SALISES Research Clusters and SALISES Staff Publications and Awards, Information Literacy (IL)

sessions and endnote training for staff and students, participation in 'Mona Research Days' 2017, the integration of the special collections to the ALEPH database and the acquisition of the Louis Lindsay collection.

## **DEREK GORDON DATABANK**

The DataBank acquired the following micro data sets:

- Jamaica Survey of Living Conditions 2013 and 2014 – STATIN
- Relationship between Drugs & Crime: Jamaica Prison Survey (2015) – National Council on Drug Abuse
- Multiple Indicator Cluster Survey (MICS) – UNICEF
  - Barbados – 2012
  - Jamaica – 2005, 2011
  - Saint Lucia – 2012
  - Trinidad and Tobago – 2000, 2006

## **STUDENT MATTERS**

The academic year 2015/2016 ended with eleven (11) students being awarded the MSc degree in Development Studies, one (1) with the MSc in Governance and Public Policy and one (1) with the MSc in Social Policy. We welcomed thirteen (13) new students to the MSc in Development Studies programme and eight (8) to the MPhil/PhD programme for the 2016/2017 academic year. Returning students: three (3) in MSc Development Studies and twenty-four (24) MPhil/PhD: Economic Development Policy – seven (7), Governance and Public Policy – eight (8) and Social Policy – nine (9).

**INCOME GENERATION**

<b>Net Income</b>		
Tuition Fees – MSc, MPhil, PhD Programmes (to date)	J\$11,897,790.97	
Norman Girvan Documentation Centre	J\$49,055.00	
Research Projects	J\$10,345,314.25	
DataBank	J\$232,421.00	
Publications	<b>US\$</b>	<b>J\$</b>
SES Subscriptions	8,659.00	6,000.00
SES Royalties	6,856.13	249,581.70
Walk-in Sales (SES)		42,600.00
Walk-in Sales (Special Books)	51.00	16,250.00
<b>TOTAL (Publications)</b>	<b>15,566.13</b>	<b>314,431.70</b>

**PAPERS PRESENTED AT CONFERENCES/SEMINARS**

- **Bailey, A.** (2017) Citizen Social Science: Exploring Possibilities for Contributing to Sustainable Development in the Caribbean Region, *SALISES 18th Annual Conference*, April 26–28, 2017, Trinidad.
- **Figueroa, Mark**, Richard Leach and Rachel Folkes (2017) Gender, Headship and Household Structure in Jamaica: Evidence from Household Surveys and the Replication Possibilities for Trinidad and Tobago. Presented by Mark Figueroa at Seminar, Instituted for Gender and Development Studies (IGDS) UWI, St. Augustine, 24 May. 27 slides.
- **Figueroa, Mark** (2017) W Arthur Lewis & the Current Caribbean Challenges. Presented to the Eighteenth Meeting of the Monitoring Committee of the Caribbean Development and Cooperation Committee under agenda item 3: ECLAC's contribution to Development in Latin America and the Caribbean: Celebrating 70 years. Port of Spain, Trinidad. 19 May. 8 slides.

- **Figueroa, Mark**, Rachel Folkes, Richard Leach and Nekeisha Spencer (2017) “Per Capita GDP and Household Expenditure Compared for a Remittance Receiving SID: The Case of Jamaica (1992–2012)”. Presented at the 18th Annual SALISES Conference Port of Spain. 26–28 April. 18 slides.
- **Figueroa, Mark** (2017) “Evolving Perspectives on Small States’ Vulnerability in Development Theory and Practice (1985–2015)”. Presented at the 18th Annual SALISES Conference Port of Spain. 26–28 April. 15 slides.
- **Figueroa, Mark** (2017) Lessons Regarding Class, Group & Individual Struggle in The Gender Transformation of Society 1867–2017. Presented at International Study Seminar. Runaway Bay, Jamaica. 16 February. 23 slides.
- **Henry-Lee, Aldrie** MDGs to SDGs: What is the relevance to our Children? 11th annual Caribbean Child Research Conference, Golf View Hotel, Mandeville, November 3, 2016.
- **Henry-Lee, Aldrie** Theorizing Childhood in Small Island Developing States (SIDS), SALISES, 12th annual Conference, Port-of-Spain, Trinidad and Tobago, April 27, 2017.
- **Henry-Lee, Aldrie** Children in the Caribbean: An Endangered Population Cohort, SALISES population Conference, Jamaica Conference Center, January 27, 2017.
- **Henry-Lee, Aldrie** Social Growth and Social Transformation in Latin America and the Caribbean, Conference on the Politics of Inclusion, UNESCO Headquarters, Paris, France, July 6, 2017.
- **Leslie, Dacia** (2017) “Prison Research and the Ethical Challenge of Disclosure” British Society of Criminology Annual Conference, Forging Social Justice: Local Challenges, Global Complexities, Sheffield Hallam University, United Kingdom, 4–7 July 2017.
- **Leslie, Dacia** and Leach, Richard. “Data-driven tertiary crime prevention in the Caribbean: The Case of Jamaica and St. Kitts & Nevis” SALISES 18th Annual Conference, Small Nations, Dislocations, Transformations: Sustainable Development in SIDS, Hyatt Regency Hotel, Port-of-Spain, Trinidad & Tobago, 26–28 April 2017.

- **Lewis, Patsy**, ‘Reflecting on Cuba’s Engagement with the Caribbean’, Center for Latin American and Caribbean Studies (CLACS) Symposium, ‘After Fidel: A Conversation About What is Next for Cuba and the Region’, Watson Institute, Brown University. December 5, 2016.
- **Lewis, Patsy**, ‘New Perspectives on Regional Cooperation and Regional Architecture: The CARICOM Experience’, East-West Center, University of Hawai’i symposium, ‘Enhancing Sustainability in our Pacific islands: Collective action for our Shared Future’, Tenth Pacific Islands Conference of Leaders, August 31, 2016.
- **Northover, P.** “Thinking ‘Global Blackness’ through the frame of *Angelus Novus*: An Exploration of Racial Aporias, Primitive Accumulation and the Invidious Chronopolitics of Progress.” Duke University, March 23–25, 2017.
- **Northover, P.** (2016) “English Literature, the Vernacular and Me”, *Archiving Caribbean Literature and Popular Culture*, 35th Annual West Indian Literature Conference, October 6–8, Holiday Inn Resorts, Montego Bay, Jamaica.
- **Northover, P.** Presentation to ECLAC Conference, Symposium on mainstreaming the Sustainable Development Goals in national development planning, Jamaica Pegasus, February 14–16, 2017.
- **Northover, P.** Presentation to Jamaica Monitoring and Evaluation Workshop, World Bank and PIOJ, May 11–12, 2017.
- **Northover, P.** Presentation to Development Effectiveness Workshop by UNDESA and PIOJ, “Proposed Development Effectiveness Strategy”, December 15, 2016.
- **Northover, P.** Presentation to Small Business Association of Jamaica conference, “Economic Nationalism: A Practical Strategy for Development”, Holiday Inn Hotel, Montego Bay, July 18, 2017.
- **Northover, P.** “Does economics trump the politics of race? Arthur Lewis on racial conflict and development: A Critical Reflection.” February 20th 2017.

- **Paul, A.** “Policing the Silence: The Case of the Tambourine Army”. International Conference on Stuart Hall, June 1–3, 2017, Institute of Caribbean Studies, UWI, Mona.

## CONFERENCES AND WORKSHOPS ATTENDED

- **Leach, Richard.** National Strategy for the Development of Statistics (NSDS) in Jamaica, hosted by Statistical Institute of Jamaica (STATIN), Terra Nova All Suite Hotel, Kingston July 18–20, 2017
- **Leach, Richard.** Data Summit Conference, New York Hilton Midtown, New York, May 15–17, 2017
- **Leach, Richard.** “LEaders Activating Research Networks (LEARN) Workshop – Caribbean”, hosted by Economic Commission for Latin America and the Caribbean (ECLAC), Port-of-Spain, 24 November 2016 (Attended remotely)

## PUBLICATIONS/BOOKS

- Petmesidou, Maria, Enrique Delamonica, Christos Papatheodorou and **Aldrie Henry-Lee** 2016 *Child Poverty, Youth (Un)Employment, and Social Inclusion, Comparative Research Programme on Poverty* (CROP), University of Bergen (UiB) / International Social Science Council (ISSC), Jekteviksbakken 31, N-5006 Bergen, Norway

## Refereed Book Chapters

- **Bailey, A.,** Minto-Coy, I., & Thakur, D. (2017). IT Governance in E-Government Implementations in the Caribbean: Key Characteristics and Mechanisms. In *Information Technology Governance in Public Organizations* (pp. 201-227). Springer.
- **Henry-Lee, Aldrie.** “Child Poverty, Child Rights in Small Island Developing States (SIDS): The Case of the Caribbean.” In *Child Poverty, Youth (Un)Employment, and Social Inclusion*, edited by Maria Petmesidou, Enrique Delamonica, Christos Papatheodorou and Aldrie Henry-Lee. Comparative Research Programme on Poverty (CROP),

University of Bergen (UiB) / International Social Science Council (ISSC), Jekteviksbakken 31, N-5006 Bergen, Norway.

### Refereed Journal Articles

- **Bailey, A.** (2016) Creating Comparative Cases Supported by YouTube Videos: Engaging Students in Survey Design, *Journal of Education and Development in the Caribbean*, Special Issue on Enhancing University Teaching and Learning in the Caribbean Context, 15, 2, 71–88.
- **Bailey, A.**, McNaughton, M., Muschette, N. and Verma, S. (2016) The Role of ICTs in Early Childhood Education in Jamaica: Early Observations from a One Laptop Per Child Project, *Caribbean Journal of Education*, Special Issue on Early Childhood Education in the Caribbean, 37, 1&2, 102–126.
- Grant, C., **Bailey, A.**, & Ogbuehi, A. (2017). Exploring cultural context congruency in television: a conceptual framework for assessing the impact of media context on advertising effectiveness in an emerging market. *International Journal of Business and Emerging Markets*, 9(2), 174–191.
- **Lewis, Patsy** (2016). ‘The Repercussions of Brexit for CARICOM’s Cohesion’, in Peter Clegg (ed.), *Brexit and the Commonwealth*. Special Issue of *The Round Table*. Vol. 105, issue 5, October 2016, pp. 531–542.
- **Lewis, Patsy**, ‘Brexit: Implications for CARICOM’s Cohesion’, in Peter Clegg (ed.), *Brexit and the Commonwealth*. Special Issue of *The Round Table: The Commonwealth Journal of International Affairs*. October/November 2016.
- **Northover, P.** and Crichlow M. (2017) “Notes on the journey towards the future: Negritude, Abject Blackness and the Emancipatory force of Spectrality.” *The South Atlantic Quarterly* 115(3):535–566.
- **Paul, Annie** (2016) “Beyond the Pale? Skinderella Stories and Colourism in India”. *IDEAZ*, Vol. 14 pp 133–145.

### Non-Refereed Articles

- **Leslie, Dacia.** “Ease prison overcrowding”, *Jamaican Gleaner*, Saturday, 4 February 2017.
- **Leslie, Dacia.** “Reversing deportee stigma”, *Jamaican Gleaner*, Saturday, 18 March 2017.

### Journal Article Review

- **Northover, Patricia** Defining Intra-Caribbean Relations in a Post-Preference Era: Caribbean Regional Integration driven by Exogenous International Trade Pressures, for *Journal of Eastern Caribbean Studies*

### PUBLIC AND PROFESSIONAL SERVICE

#### Bailey, A.

- Senior Editor, *Electronic Journal of Information Systems in Developing Countries (EJISDC)*
- Vice Chair, Research, Association for Information Systems Special Interest Group on ICTs and Global Development (AIS SIG GlobDev)
- Secretary, International Federation for Information Processing (IFIP) Working Group 9.4 on the Social Implications of Computers in Developing Countries
- Workshop Co-Chair, Association for Information Systems Special Interest Group on ICTs and Global Development 2016/2017 Workshops

#### Henry-Lee, Aldrie

- Chair of the annual Caribbean Child Research Conference
- Member of the PIOJ National Policy on Poverty and National Poverty Reduction Programme Committee
- Member of the National Committee for the Prevention of Violence against Women and Children
- Sunday School Teacher, Sts Peter and Paul Church, Kingston, Jamaica

**Leach, Richard**

- Member of Steering Committee, Jamaica Survey of Living Conditions

**Leslie, Dacia**

- Director General, Mayeltha & Gwendolyn Foundation
- Discussant, Prison-to-College Pipeline Roundtable, Ministry of National Security, 11 April 2017
- Member, Howard League for Penal Reform
- Member, Prison Fellowship, United Kingdom
- Volunteer Assessor, Jamaica's National Rehabilitation Strategy, 3 March 2017
- We Transform Mentor, Ministry of National Security, Department of Correctional Services

**Northover, Patricia**

- Member, Excelsior High School Student welfare committee/Chair of the LHS scholarship fund
- Associate Editor, *Cultural Dynamics: Insurgent Scholarship on Culture, Politics and Power*: <http://cdy.sagepub.com/>
- Principal Investigator/ Project Manager and Co-producer (2012–2017). UWI – GOJ Sugar Heritage Film Project

**Paul, Annie**

- Board member, National Gallery of Jamaica and Chair, Exhibitions Committee
- Board member, JAMCOPY

**Witter, Michael**

- Member of the Board of the Environmental Foundation of Jamaica, appointed to the new board
- Member of CANARI's Caribbean Green Economy Action Learning Group, 2011–present
- Member of the Board of Recycle Jamaica, June 2014–present

- Member of the All-Island Electricity Tribunal, November 2015–present
- Member of the Board of CANARI, January 2016–present
- Member of the Labour Market Reform Commission, April 2015–June 2017

## THE BIOTECHNOLOGY CENTRE



**Professor Helen Asemota**, BSc, *Univ. of Benin, Nigeria*, MSc, *Ahmadu Bello University, Nigeria*, PhD, *Univ. of Benin/Frankfurt, Germany*  
**Director**

### INTRODUCTION

In the period under review, The Biotechnology Centre focused on research training and outreach services to both local and international communities. In keeping with its global outreach endeavour, the Centre started the year 2016/2017 with the conveying of the weeklong International Training Workshop in Agro-biotechnology in collaboration with the United Nations University Biotechnology Programme for Latin America and the Caribbean (UNUBIOLAC) countries, from August 8 to 12, 2016 at Mona. Fifty one (51) trainees from 8 Latin American & Caribbean countries attended the training and the Trainers were pooled from the UWI Campuses and Latin American countries. Within the year, the Centre also attracted Pacific Scientists from 10 Pacific Islands for training at the Centre in collaboration with CARDI. The Centre then ended the year collaborating with Dr. Rachel Irving of Basic

Medical Sciences along with the University of East London in the London Symposium “Sports Meet Science: Jamaica Quest for Greatness” held in London, UK, July 29–30, 2017; and with the Pan-American University of Mexico, as well as the University of Salento, Italy and internally with the International Centre for Environment and Nuclear Sciences (ICENS), in the staging/conveyance of the IMEKO TC19 International Symposium on Measurements and Instrumentation, August 2–4, 2017 in Aguascalientes, Mexico, with the Director of the Centre, Professor Asemota, as the General Co-Chair along with Professor Aime of the University of Salento, Italy.

## **BIOTECHNOLOGY CENTRE STAFF**

**The Academic Staff** at the Centre are Professor Helen Asemota (Director, also Professor of Biochemistry and Molecular Biology at the Basic Medical Sciences of the Faculty of Medical Sciences – FMS, Yam Biotechnology & Biomedical Research Group Leader), Professor Paula Tennant (also Professor of Virology at the Life Sciences Department of the Faculty of Science & Technology – FST, Molecular Virology Research Group Leader), Professor Marcia Roye (promoted to Professor in the period, Associate Dean of Graduate Studies, FST, Geminivirus Research Group Leader), Dr. Sylvia Mitchell (Medicinal Plants Research Group Leader) and Professor Nouredine Benkeblia (Professor at the Life Sciences Department of FST, Tree Crops & Metabolomics Research Group Leader). All of the Centre’s Academics teach courses at the Basic Medical Sciences or Life Sciences departments or within the Faculty of Science and Technology foundation programmes.

**The Support Staff** of the Centre in the period were: Mrs. Shivanjali Dondapati (Research Assistant to Professor Asemota), Ms. Latoya Bailey (Research Assistant to Professor Roye), Ms. Lamar Thomas (Research Assistant to Professor Tennant, later Senior Laboratory Technologist), Mr. Carlton Barrows (Laboratory Technician), Mrs. Karen Stewart (Senior Administrative Assistant II), Mr. Roy Dwyer (Handyman), Ms. Elizabeth Mills (NSF BREAD Yam Project Field Assistant), Ms. Shernette Banks-Ashman (Laboratory Attendant).

## TEACHING & RESEARCH

### Postgraduate Students

Post-graduate Student Researchers at the Centre were 24 in the year under review. Those studying for the PhD or MPhil in Biotechnology degrees in the period, included: Kimberly Foster, Chantal Marriott, Princess Bell, Nikashae Scott, Lowen Williams, Chenielle Delahaye-McKenzie, Cheryl Green, Nikolai Lutas, Tamara Grant, Vanessa Williams, Latoya Bailey, Chevaughn Witter, Deiondra Robinson, Racquel Wright, Rashaun Harris, Sharae Clark, Julian Bailey, Jordan Freeman and Shivanjanli Dondapati. The Centre also catered for some students registered in other departments but conduct all or aspects of their research at the Centre, namely: Ryan Francis, Keaton Logan, Melissa Williams, Sasha-Gay Williams and Kenroy Wallace of the Department of Basic Medical Sciences. The students were attached to various research groups of the Centre depending on their research supervisors.

### Research Areas

The research areas in the period under review, were mainly agro-focused and biomedical and are shown under the various research groups (with the group leaders):

**Molecular Plant Virology Research Group** – led by Professor P. Tennant (in partnership with Life Sciences Department). Using a number of advanced scientific techniques approximately ten viruses were detected in food crops such as papaya, pumpkin, citrus and sweet potato. Knowledge of this distribution has led to an understanding of the effect of virus and viroid diseases on agricultural production.

**Molecular Virology Research Group** – led by Professor M. Roye. Research on Geminiviruses. The group has identified over 22 geminiviruses infecting crops and weeds in Jamaica. This has helped to develop disease management strategies for the associated crops. Research on HIV has shown that antiretroviral drug resistance is associated with children and

adults infected with HIV in Jamaica. This information can be used to develop individual treatment plans.

**Medicinal Plant Biotechnology Research Group** – led by Dr. S. Mitchel, Senior Lecturer. This group has developed advanced propagation protocols for approximately 30 medicinal and economically important plants. Through this group, the Centre maintains an in vitro gene bank for various crop/plants such as ginger, turmeric, sarsaparilla, chainy root, sugar loaf, cowboy pineapple, sweet potato, yellow yam, negro yam, sweet yam, Lucea, St. Vincent, yampie, cassava and Guinea hen weed and an in vivo medicinal plant germplasm garden. The in vitro physiology of the Smilax and Dioscorea has also been studied. The group collaborates with the UHWI microbiology lab for anti-microbial tests; TRAMIL, SRC for biochemical analysis of turmeric, the New York Botanical Gardens in ethnobotanical studies in Jamaican communities; and the Bureau of Standards for the development of standards in the nursery, plantation and making of biochar from bamboo, while the Group also conducts field studies of medicinal and economically important plants. The group motto is “Harness the potential of our plants for health and wealth”.

**Yam Biotechnology & Biomedical Research Group** – led by Professor H. Asemota (Director) aided by Dr. A. Wheatley (and operated in partnership with the Basic Medical Sciences Department). The bio-interdisciplinary research areas include: improvement of production, storage and utilization of Yam as food, as medicine and as industrial raw materials, inclusive of value-chain expansion studies, and innovation of value-added products with a theme of “From Farm to Finished Products”. Tools used are from biotechnology, biochemistry, molecular genetics, nanobiotechnology. Work includes analyses of yams, cocoyams and dasheens biodiversity, DNA profiling; studies on Yam Starch quality and applications for commercial purposes, bioengineering of yam biomaterials; biochemical studies on bioactivity of plants’ extracts and associated metabolic mechanisms of action of secondary metabolites/natural products/supplements in normal and diseased states in selected non-communicable diseases, experimental diabetes, hypercholesterolemia,

cancer and drug abuse; Studies of Glycemic indices and applications (in collaboration with the SRC) and Coffee rust disease (in partnership with the SRC and IICA). Other research areas of the group are: Moringa phytochemistry and Moringa-based nutritional products derivation; Biomagnetic Therapy and associated metabolic effects in diabetes mellitus. Collaborates with researchers in Department of Surgery, TMRU, Community Health, Physics, Chemistry and Chemical Pathology. The group also embraced Cannabis-based principles and exploitation for technology derivation; antibodies production against agents of Yam diseases; Yam Anthracnose research and biosensor fabrication and field testing (in an NSF BREAD PHENO Project in collaboration with SUNY) as part of the development of low-cost technology to aid smallholder farmers in developing countries. The group extensively collaborates and networks with various former students of the group serving in other departments and with various local (NCU, STEA) and foreign experts/institutions.

**Tree Crops Research Group** – led by Professor Nouredine Benkeblia (in partnership with Life Sciences). The research group's aims to investigate the application of modern agronomic technologies, particularly metabolomics, considering various aspects of specific tree and aromatic local and regional crops such as onion, pimento, ribena, soursop, custard Appl etc. with a primary objective to introducing them as profitable venture, and new products in the local and regional value chain, at first instance. The outcomes of the laboratory will be contributing in increasing the productivity, the quality attributes, storability and potential by-products of these crops, aiming to develop the agro-processing sector, contribute to the self-sufficiency in some of these commodities (particularly onion which is mostly imported) food security and rural development and prosperity in Jamaica. The group collaborates with many local, Caribbean and overseas laboratories in the Caribbean, USA, Mexico, Brazil, France, UK Ireland and Japan among other laboratories.

## Teaching

In addition to the research and supervision of post graduate research students, the academic members of the Centre during this period, were involved in teaching at both undergraduate and postgraduate levels at other departments and/or in the Faculty Foundation programmes.

**Undergraduate courses** taught were within the Department of Basic Medical Sciences (BMS) of the Faculty of Medical Sciences (FMS) and the Department of Life Sciences of the Faculty of Science and Technology (FST). The courses included: Biotechnology I, Biotechnology II, Molecular Biology I, Molecular Biology II, Introduction to Microbiology and Molecular Biology, Food Microbiology and Biotechnology, Plant Biotechnology, Science Medicine and Technology, Biochemistry for Physical Therapy Students, Biochemistry Laboratory Research Project, and Plant Biochemistry & Physiology, along with their associated lab classes. In the Department of Life Sciences, members of staff taught in Molecular Biology & Genetics, Principles of Plant Biotechnology, Virology, and Plant Biotechnology.

**Postgraduate courses:** Members of Biotechnology Centre's staff also taught in the following postgraduate course: "Standards and Risk Management in Agricultural Production Systems", one of the courses in the MSc in Agricultural Entrepreneurship Programme in the FST. The Centre's approved MSc. Programme, coordinated by Dr. Sylvia Mitchell and facilitated by Professor Roye is expected to start soon.

## OTHER ACTIVITIES OF THE CENTRE

### Bio-Skills Training & Workshops Effected

In addition to her regular teaching and research training of both postgraduate and interested undergraduate students, the Centre also effects bio-skills training and bioservices as part of its agenda.

**United Nations' University Biotechnology Programme For Latin America and Caribbean Countries – The 2016 International Symposium & Training Workshop**

The weeklong training was executed by the Biotechnology Centre within the year under review, from August 8 to 12, 2016. The conveyor, Professor Asemota – facilitated by the Pro Vice-Chancellor for Graduate Studies & Research, Professor D. Webber, and the Dean for Science and Technology, Professor P. Reese along with the Dean's Office, Mrs. Mariam Lindo and her team as well as Biotech Centre Staff, Professor Benkeblia, Shivajanli Dondapati and Steven Brown, collaborated with other Stakeholders such as the Basic Medical Sciences Department, Medical Faculty Dean (Professor H. Fletcher), Scientific Research Council (Dr. Cliff Riley), FST Life Sciences Department, MSET (Dr. Andrew Wheatley), MICAF (Dr. Lisa Myers, the National Commission on Science and Technology – NCST (Professor Errol Morrison), the IICA (Dr. Elizabeth Johnson), Caribbean Maritime Institute, now University – CMU (Drs. Pinnock and Ajagunna), JIPO (Ms. L. Bellamy), PIOJ (Ms. C. Bernard), Northern Caribbean University (Professor V. Wright), CARDI (Dr. C. Roberts), University of Los Andes (Professor Gustavo Femmin), University of Venezuela (Professor Palmira Guevara), UWI St. Augustine (Professor Jayaraj Jayaraman), Cocoa Research Institute at St. Augustine, Trinidad (Dr. Lambert Motilal & Professor Pathmanathan Umaharan), and UWI Bursary (Mr. H. Pearce) to effectively stage the Symposium and the training for 51 trainees from 8 Latin American and Caribbean countries and the UWI. For this, the Biotech Centre secured USD26,000 Grant funds from the United Nations University. Afterwards, The Academic Report on the **2016 UWI-UNUBIOLAC International Biotechnology Symposium and Training Workshop on “DNA Fingerprinting of Plants: Approaches, Applications and Relevance to the Agricultural Sector in the Caribbean and Latin America”** with the developed associated **Lab Manual on Plant DNA Fingerprinting** were submitted to the United Nations University in September 2016 and very positive feedback was received.

**Pacific-Caribbean Exchange Scientists Biotechnology Training:**

Also in the year under review, the Centre collaborated with the Caribbean Agricultural Research & Development Institute (CARDI) Trinidad and Jamaica Offices, to host the Pacific – Caribbean Exchange Scientists Training Programme from October 10–27, 2016. Other Collaborators in the programme were Northern Caribbean University (NCU), Scientific Research Council (SRC), and the Bodles Agricultural Research Centre. The Biotechnology Centre (UWI) and the Scientific Research Council exposed the Pacific Visiting Scientists to crop improvement and biodiversity of Jamaican Yams, Dasheen (taro), and Cocoyam (*Xanthosoma* sp) as well as to Sweet potato. The Biotechnology Centre and the NCU took the Scientists to visit Yam farmers in Manchester and Southern Trelawny (facilitated under the NSF Yam Project and CARDI). They interacted with Jamaican Yam farmers and gained some indigenous knowledge from the farmers in tuber crop production viewed from the perspectives of the common farmer. This was exciting experience for them. The visiting ten scientists came from the following Pacific countries – Fiji, Papa New Guinea, Samoa, Micronesia, Netherlands and Vanuatu. They were hosted at the Centre for laboratory training in Yams biodiversity and DNA Fingerprinting. Professor Asemota gave the training on Jamaican Yams Biodiversity, Taxonomy and Biomaterials, using the extensive UWI Yam Research outputs. Other Research Group Leaders of the Centre, Professors Roye, Benkeblia, and Dr. Mitchell also interacted with the Pacific Scientists, while several postgraduate students made presentations and discussed their research activities at different periods during the visit. Areas of mutual interest and possible collaboration were discussed. A Lab Manual on Yam Taxonomic Diversity and DNA Fingerprinting was developed for the training purpose.

The Scientists also visited the Scientific Research Council (SRC), Northern Caribbean University (NCU), and Ministry of Industry, Commerce, Agriculture and Fisheries (MICAFA) – Boodles Research Station, and Red Stripe Beer Factory. They were also taken to Yam Farms and interacted with Farmers in Manchester and Trelawny. The Scientists were excited at getting the farmers' stories in the production of yams.

Other interesting initiatives included the UWI-Columbia Cassava flour project, Red Stripe cassava beer, and bammy making. The Scientists later travelled to Trinidad and the focus there was on: 1) Breeding/DNA work in cocoa (SPC expressed interest last year in linking with UWI on cocoa research), hot pepper and anthurium, as well as microbial DNA work and 2) Roots and tubers value added products – composite bread/ bakery products from sweet potato, cassava, taro, etc. in collaboration with the Caribbean Agri-Business Association (CABA).

### **CAPE Workshop on Genetic Engineering**

The CAPE Workshop in Genetic Engineering staged by Professor Roye attracted approximately 400 students in December 2016. It was held over 3 days (December 16, 21 & 22, 2016) with the participation of students and teachers from the following Schools: Campion College, Glenmuir High School, Merl Grove High School, Mount Alvernia High School, Mannings' School, Ardenne High School, Holy Childhood High School and Montego Bay Community College. This was the largest staging in the workshop's 10 years history. The venue of the workshop was the Department of Basic Medical Sciences Molecular Biology Laboratory North A.

### **Laboratory Experience for Montego Bay Community College Students**

The Biotechnology Centre hosted nine students from Montego Bay Community College on July 6, 2017. The Coordinator from the College, Mrs Alicea Bigby-Smart, requested the Centre to help give their Associate Degree students in Agricultural Science Programme some first-hand experience in gel electrophoresis and nucleic acid isolation/extraction from yeast cells or bacteria. Most of the students work with RADA in the western end of the country. The one day training included: 1) brief introduction by Miss Latoya Bailey (Research Assistant for Professor Roye), on basic background to bacteria and its DNA in the form of plasmid and nucleoids, and on the current usage of microbial DNA in plant protection and improvement, 2) introduction to the instruments

and materials that are used in Molecular Biology\Microbiology – how to use the instruments, safety precautions in the lab, 3) working in pairs with a given sample to work with. The cultured microbes were prepared for the students, but the rest of the protocol was conducted by the students under the supervision of the Lab technologist and the Research Assistants of the Centre. The students were given a set of reagents that they used to isolate their DNA for PCR and for Gel electrophoresis. The results gotten were explained to them. 4) A tour of the Centre labs and Tissue Culture facility, which sparked their interest, especially when they saw how plants are cultured in tubes and preserved. 5) The tour ended in the Yam Biotechnology & Biomedical research lab, where newly developed by-products opened their eyes to the potential in Agricultural biotechnology and bioentrepreneurship. 6) The students had a twenty minutes session to ask questions about the exercise and other topics relating to crop improvement and food security. They requested the Centre to develop a part of their course, because this was the only laboratory experience they got and thought the information was too much for one visit.

### **Volunteerism and Internship at The Centre**

- The Gemini virus research group of Dr. Roye had a volunteer for Semester 1-Travis Garnett. He was trained in the following techniques: DNA extraction (plasmid miniprep and plant DNA extraction), Rolling circle amplification; pour and streak plates (for bacteria), Agarose Gel electrophoresis.
- Other Interns at the Centre were Mr. Kevin Sampson (from Mico University College) Mr. Randy Clarke (from Caribbean Maritime University) and Mr. Mike Dwyer (from Papine High School).

### **GRANTS**

- Dr. Sylvia Mitchell rendered bioservices to the Government of Jamaica and received a grant for a Bamboo Project in the sum of Thirty Thousand Dollars (\$30,000 USD), out of which US\$2,000 USD has been paid to UWI Bursary Special Projects.

- United Nations University Grant for Biotechnology Programme Training for Latin America and the Caribbean (US\$26,000). PI - Professor Asemota for the planning and conveying of the International Biotechnology Symposium and Training Workshop in Agro Biotechnology.
- NSF BREAD PHENO Yam Project. Co-PI – Professor Asemota. Amount received is about US\$104,800 for years 1 & 2. Subaward from SUNY Professor Sadik -PI. UWI Bursary Special Projects
- Caribbean-Pacific Exchange Scientists Bio-skills Training – J\$221,600 from CARDI. UWI Bursary Special Projects –Income Generation from Bio-Skills training.

## PRODUCTS DISPLAY AND OUTREACH

- The Centre participated in the National Science and Technology month in November 2016. The Centre represented the Faculty of Science & Technology, UWI Mona at the Fourth Biennial National Science and Technology Conference & Exposition at the Jamaica Pegasus Hotel on November 14 & 15, 2016. The Centre displayed products such as candles, soaps and organic pesticides that were produced from students' biotechnology research.
- Staff and students of the Centre prepared with Professor Asemota and Dr. Rachael Irving, various Yam-based Products for limited display at the “Sports meets Science: Jamaica Quest for Greatness” Symposium in London in July 30, 2017. The products were termed **‘Jamaica Yam BioSports Foods’** and were first displayed, by Helen Asemota, Carlton Barrows, Rachael Irving, Elizabeth Mills, Shiva Dondapati, Tamara Grant and members of the UWI Marketing & Mass Communications Office at one of UWI Mona Students' Halls of Residence, with **Frederick Dacres (2017 World Championship finalist in Discus Throw)** and others in June 2017.

## **PARTICIPATION IN THE UWI HOSANG VENTURE COMPETITION**

To promote developments towards biotechnology marketplace at the Centre, Professor Asemota has been encouraging and supporting Biotechnology students to make products and participate in the Vincent Hosang UWI Venture Competitions organized by the Mona School of Business and Management (MSBM) in collaboration with Mr. Vincent Hosang.

In the year before, two Biotech Centre groups had won the 1st and 2nd positions. The Centre plans to have its students partake in venture competitions regularly to promote bioenterpreneurship and bio-economic advances. Four (4) Biotechnology students groups partook in the 2016 competition namely: *Yard Vines & Mint*, *Kiwi Blend Teas*, *Yam Nuts and Yammitos*.

## **UWI MONA RESEARCH DAYS – FEBRUARY 2017**

The Biotechnology Centre participated and mounted a display at the UWI Research Day Launch in January 2017. During Research Days in February 2017, the Biotechnology Centre participated in the following ways:

- Displayed finished products at the Centre's tables/booths in the Main Exhibition Tent. Wine products, Sweet Potato Pudding made from tissue culture derived sweet potatoes, and Moringa Bites and Bars.
- Presentations – Seventy Five students and teachers from various Colleges and High schools toured the Centre where they viewed displays and attended various presentations about the Centre's research.
- Staff members and students from the Biotechnology Centre demonstrated lab activities- Simple DNA extractions, tissue culture, soap making, wine making, candle making, paper making and potato cloning at the main tent and also at the Centre.
- Professor Asemota and her Research Group also conducted 'Jamaica

Yams Taxonomy/Biodiversity Quiz’ at the main tent and presented certificates to over seventy (70) participants who passed the quiz.

### **WORKSHOPS/EVENTS ATTENDED BY BIOTECH STAFF/STUDENTS:**

- Professor Helen Asemota and Shivanjali Dondapati attended a workshop on NIH – “Protecting Human Research Participants” organized by MORI and held at the Faculty of Medical Sciences on April 5, 2017. Professor Asemota and Ms. S. White were the resource persons along with Drs. L. Young & Lindo.
- A team from the Biotechnology Centre including Mr. Carlton Barrows, Ms. Tamara Grant, Mr. Roy Dwyer and Ms. Elizabeth Mills, participated in the STEM, Projects and Career Day held at the Sydney Pagon STEM Academy on May 31, 2017.
  - The team engaged with students and teachers from over 10 Highs Schools & Colleges from across the island. They showcased products such as wines, soaps and organic products among other items. Students were able to view demonstrations of wine making.
  - Ms. Tamara Grant, post graduate student of Professor Asemota engaged students in a Yam taxonomy/biodiversity game to identify local yam varieties in Jamaica.
  - The team spoke to students about the bioservices of the Biotechnology Centre and careers in Biotechnology. The event was covered by the media houses, Television Jamaica (TVJ) and Jamaica Information Service (JIS).
- Postgraduate students of the Biotechnology Centre (Nikolai Lutas & Keaton Logan) along with members from the Chemistry Department were the key Presenters at an event at Mona Baptist Church in July 2017. This event was attended by children and teenagers of age groups 6–18 years of varying socio-economic backgrounds. Various products (Fruits Wines, Moringa Bars, Yam Spreads and Yam based snacks, Candles, Soaps, Pesticides and Bio-fertilizers) made at the Centre were displayed. These demonstrations provided an excellent opportunity to explain the fundamental scientific principles behind

every day products. These interactions also develop our students' communication skills. It was a truly exciting experience as children and teenagers who were not overtly interested in Science became excited about the prospects of doing scientific research at the UWI MONA in the future.

#### FOREIGN VISITS BY BIOTECHNOLOGY STAFF

- The Director of the Biotechnology Centre, Professor Helen Asemota visited Mexico under the Jamaica-Mexico Bilateral Commission from March 10–20, 2017 along with her Research Assistant and PG student, Mrs. Shivanjali Dondapati. They visited *Yucatan Center for Scientific Research (CICY)* and the *Research Centre for Food and Development (CIAD)* in Mexico.
- Ms. Sasha Gay Wright and Mr. Kenroy Wallace visited Southern University of Baton Rouge (SUBR), USA to carry out research which forms part of their Graduate programme.
- Professor Asemota and Tamara Grant travelled to London and presented at the University of East London at the “Sports meet Science: Jamaican Quest for greatness” Symposium on July 29–30, 2017, and displayed some *Bio-Sports Products*.
- Professor Asemota and two of her students as well as three Researchers including the Executive Director of the ICENS, Charles Grant, travelled to Mexico for the 2017 IMEKO TC 19 International Conference at Aguascalientes, Pan American University, August 2–5, 2017. Five papers were presented by the UWI Researchers, and Professor Asemota was the General co-chair of the Conference.

#### VISITORS TO THE BIOTECHNOLOGY CENTRE

- Sir Professor Kenneth Hall, former Governor-General of Jamaica and former Principal of UWI Mona, paid a courtesy call to the Biotechnology Centre on April 5, 2017. Professor Hall was welcomed by the Director, the staff members and students of the Centre. Professor Asemota's postgraduate students gave Professor Hall a tour

of the Centre's facilities and briefed him about their research work. Professor Hall admired the enthusiasm of the students and their interest sustained in research.

- Ten (10) Pacific – Caribbean Exchange Scientists visited the Centre during the period October 10 –27, 2016. They were from the Pacific Islands, Fiji, Papa New Guinea, Samoa, Micronesia, Vanuatu and the Netherlands.
- The Biotechnology Centre partnered with SRC to accommodate 85 students from primary to tertiary institution across Jamaica. A total of 85 students, from Sydney Pagon STEM Academy was given a tour of the Centre on December 1, 2016 by Carlton Barrows and Shivanjali Dondapati. The Centre showed them a variety of products that are made from local resources, such a candles, Moringa bars, yam chips and other products, and given a talk on how to become better student. Most of the students came from yam farming communities hence they could relate to varieties of yams on display and also the mint species being cultivated.
- The NSF-BREAD PHENO Yam Project Collaborators from SUNY Binghamton, Professor Omowunmi Sadik, the Project PI at SUNY and her PG student, Mr. Roland Miller, visited the Centre from July 16–23, 2017. They also visited Yam farms in Manchester and Trelawny as part of the project field trip. They facilitated training in nanoparticles formulation at the Centre.
- Professor Ibrahim Ajaguuna, former Director of Academics, now Deputy President of the Caribbean Maritime University (CMU), along with his Assistant, visited the Centre in July 2017 (11th & 13th) for ongoing discussions re their proposed Marine Biotechnology Degree programme at the CMU. Collaboration with the Biotechnology Centre was re-affirmed and the need for an MOU/MOA was re-tabled and is to be pursued.
- The final year Biotechnology undergraduate students taking the Course BIOT3113 (Biotechnology I) toured the Centre's facilities on November 11, 2016.

## **COLLABORATIONS AND MOUS**

The Centre collaborates internally with various Departments in the FMS and FST for Research and Teaching, particularly the Departments of Basic Medical Sciences, Psychiatry and Community Health, Chemistry, Life Sciences, and Physics. The Centre remains grateful to the host of Experts/Professors/Lecturers in the FMS and FST, neighboring universities/research institutions and foreign institutions who support in group co- supervising of our postgraduate students.

Our current list of international and local collaborators include: Morehouse School of Medicine, USA; School of Pharmacy, Roosevelt University, USA; SUNY Binghamton, USA; University of Toronto, Mississauga, Canada; Albany State University, USA; University of Salento, Italy; Cordoba University, Colombia; Redeemers University, Nigeria; Trees that Feed Foundation, Illinois, USA; University of California, Davis (US-Davis); The Bamboo Project, Government of Jamaica; Bureau of Standards, Jamaica; JAMPRO; The National Environment and Planning Agency (NEPA); OAS; The 4H Club, Jamaica; Agro-Systems Consultants, Jamaica; Grace Kennedy Limited; National Committee on Science and Technology; Northern Caribbean University; STEA; Scientific Research Council (SRC); MSET; Peckham Development Council, Pan-American University, Aguascalientes, Mexico, CICY and CIAD, Mexico, IICA, CARDI, CMI, UTECH, Southern University of Baton Rouge(SUBR), SUNY Binghamton.

## **SPECIAL PROJECTS**

### **Development and Field Testing Of Paper-Based Biosensors to Increase Agricultural Productivity of Small Holder Farmers In Developing Countries**

This is a National Science Foundation (NSF) sponsored project, under the BREAD PHENO program and it is in collaboration with the State University of New York (SUNY) at Binghamton. Professor O. Sadik of SUNY is the PI and Professor H. Asemota of UWI is co-PI. Local

collaborators in the project are Northern Caribbean University (NCU) and the Southern Trelawny Environmental Agency (STEA), as well as selected local farmers. This project seeks to revolutionize yam production in Jamaica through the development and field testing of low-cost genotyping and phenotyping biosensors and molecular genetic tools, UWI works with small holder yam farmers in Jamaica with the help of NCU in Manchester and STEA Trelawny and their Extension Officers. The project operates under a sub award agreement between SUNY and UWI.

Researchers from the Biotechnology Centre and NCU together visit local Yam Farmers in Manchester and Trelawny on a regular basis for sampling, data collection and observation. Laboratory activities take place at the UWI Biotech Centre as well as at the NCU. Regular meeting with Collaborators is facilitated through Skype and/or ZOOM. The first year report to the Funding Agency has been achieved with a very positive feedback. In July 2017, members of the SUNY team visited the Centre to join forces with UWI and NCU to advance project activities through technology infusion activities. This project facilitates employment and as such the Centre employed in April 2017 Ms. Elizabeth Mills as Project Field Assistant, liaising with local farmers and coordinating field-based activities of the project with collaborators and project researchers. The Project also facilitates engagement of student researchers.

### **Bioengineering of Yams & Other Selected Caribbean Roots and Tuber Crops Biomaterials for Value-Chain Expansion & Pre-Commercialization Analyses**

This Jamaica–Mexico Bilateral Commission Project involves collaboration with Mexican Scientists. The project focuses on bioengineering biomaterials from selected crops for value-chain expansion & pre-commercialization analyses. This proposed project is intended to boost agro industry via expansion of value chain of selected Caribbean crops- especially Yams, Sweet potato, Dasheens, Cocoyam as well as plants such as Moringa, Sugarcane and some herbs. The project is operated with Mexican counterparts – Dr. Fernando of CIAD and Dr. Carlos Borroto of CICY

in Mexico, and locally in collaboration with Professor Benkeblia of UWI, Dr. Cliff Riley of the SRC and Dr. Elizabeth Jonson of IICA.

The Project PI and Director of the Biotechnology Centre, Professor Helen Asemota along with her Research Assistant, Mrs. Shivanjali Dondapati, visited collaborating institutions in Mexico in March 2017 to discuss and partake in project analytical activities. Discussions were held with the participating institutions regarding possible MOUs for student and staff exchange between institutions. The Mexico visit report was submitted in April 2017 to the Mexican Embassy in Jamaica. The Centre received a positive feedback on the report. Professor Asemota along with her research Assistant, Mrs. Shivanjali Dondapati and graduate student Ms. Tamara Grant, attended a meeting with Ms. Araceli Grave about the project activities.

### **Bamboo Project**

This is a collaborative project with the Government of Jamaica. According to Dr. Sylvia Mitchell, the PI of the UWI component of the Project, the activities listed below are being managed by the Bamboo Research Project Management Committee (BRPMC) on which both UWI and Bureau of Standards and other relevant persons sit in order to provide oversight. The BRPMC operates under the MOU between UWI and the Bureau of Standards. The activities below represent the work of the Biotechnology Centre and the Bureau of Standards as part of the 'Peckham Bamboo Pre-Processing Project' being funded by OAS.

Between January 27th, 2017 to August 31st, 2017, training has been provided to at least 153 people on 9 separate occasions in Peckham, Clapham, Lamb's River, Harker's Hall, Holland Bamboo and UWI.

195 Bamboo (*Bambusa vulgaris*) culms obtained from Peckham, Clapham, Lamb's River, Harker's Hall and Holland Bamboo has been planted on the UWI-Biotechnology Centre field plot. Also bamboo culms of *Dendrocalamus asper* have been planted on the field plot.

In all, over 489 bamboo culm pieces have been planted – at UWI, Holland Bamboo, Clapham and Peckham - in this period.

Growth Data obtained from these plants was presented as a poster at SIVB: Mitchell S.A. (2017) *Developing a vibrant and sustainable Jamaican industry with Bambusa vulgaris: establishing standard macro and micropropagation protocols as a key part of the process*. June 10–13, 2017 In Vitro Biology Meeting. P-3051. Pg 26.

- Bamboo from these plants listed above have been initiated into tissue culture, these experiments are ongoing.
- The OAS and PIOJ representatives visited the Biotechnology Centre on August 1st and was happy with the work of the Biotechnology Centre.

The following meetings were attended: Community Consultation on Policy for the Bamboo Industry in Jamaica, Peckham, April 20, 2017, Organized by MICAF, Bamboo Policy Consultation Forum, July 6, 2017 and Organic Framework Meeting, July 11, 2017.

#### **New Projects Proposals submitted for funding:**

##### ***Smokable herbs: using IKS tools to document the medicinal uses and abuses of plant-derived smoke in South Africa and Jamaican Communities.***

- This South African project was submitted to National Council on Science and Technology (NCST) in July, 2017 as a joint project between South Africa (PI, Dr. Ashwell Ndhlala, Vegetable and Ornamental Plant Institute, Agricultural Research Council, Roodeplaat) and Jamaica (PI, Dr. Sylvia Mitchell, The Biotechnology Centre, UWI Mona.

##### ***“Harnessing the good and the bad in Ganja for pain therapy/management and biomedical device: Developing the Therapeutic & Biosensing Tech Potentials in Jamaica Cannabis for Pain Treatment and Management”***

- Submitted to NIH (in response to FOA PA-15-188, R01 category) from UWI, Mona, in September 2016. The PI is Professor H. Asemota along with other UWI Investigators: Profs. W. McLaughlin, H. Jacobs, W. Abel, L. Young, L. Lindo, R. Porter, M. Reid, Drs. M. Scarlett and McGawn and with co-PI – Professor O. Sadik of SUNY and her team. Review comments received for re-submission, which

is underway. Project facilitators/manager and assistant – MORI, S. White and S. Dondapati. Project is Collaborative effort of FMS – clinical & pre-clinical Researchers and FST Researchers along with foreign collaborators, with UWI leading the effort.

### **BIOTECHNOLOGY CENTRE SEMINAR SERIES**

- October 2016 – Group Seminar organized in collaboration with CARDI and SRC on “Agro-biotechnology of Roots and Tuber Crops: Production, Value Addition, Education & Networking” by Visiting Pacific Scientists, as part of the ACP Pacific-Caribbean Visiting Scientists Exchange Programme – 2016. There were 8 Speakers:
  - Dr. Paula Tuione (from Fiji),
  - Ms. Ulamila Duguci Lutu (from Fiji),
  - Ms. Silika Naidugu Vurebe, (from Fiji),
  - Mr. Nacanieli Sikinairai Tuivavalagi (from Federal States of Micronesia),
  - Mr. Rosivela Dresu (from Fiji),
  - Dr. Siope Leameivaka Uluakimano Pele (from Samoa),
  - Dr. Joshua Mael (from Vanuatu),
  - Ms. Helmtrude Sikas (from Papua New Guinea),
  - Ms. Salome Tukuafu (from Fiji)
- Professor Asemota gave a seminar presentation on “Application of Biotechnology to Yam Production Improvement & Innovative Products Development for Value Chain Extension” on October 12, 2016, to the Intra-ACP Caribbean-Pacific Exchange Programme Scientists, at the Dean’s Conference Room, in the Faculty of Science and Technology, UWI, Mona.
- Student Seminars – The Biotechnology Postgraduate students presented seminars at the Basic Medical Sciences as part of their research programme.
  - Julian Bailey presented a seminar on “Analyses of Environmental factors effecting cancer in Jamaica” on October 06, 2016.

- Kimberley Foster presented a seminar on “Assessing the prevalence of medicinal plant use asking cancer patients in Jamaica” on October 13, 2016.
- Lowen Williams presented a seminar on “Metallic Semicarbazone Complexes in the management of Diabetes” on December 8, 2016.

### **STAFF/STUDENTS ACHIEVEMENTS/AWARDS**

- The Biotechnology Centre congratulates to Dr. Marcia Roye on her promotion to the rank of Professor. Professor Marcia Roye was awarded by the HOGA (Hampton Old Girls Association) Award 2016 for outstanding professional achievement and/or committed service to HOGA/Hampton over the past many years.
- The Centre also congratulates Jordon Freeman and Carlton Barrows for receiving the Distinguished Student Award, from the Faculty of Science and Technology on placing 2nd and 3rd Places in the Third Annual National Business Model Competition 2016, for Biotech product development. Jordan and Carlton were the first two Biotechnology Centre Incubatees in Product development.

### **STAFF APPRECIATION & STAFF TRAINING**

The Biotechnology Centre presented two of its former staff members with appreciation awards in December 2016:

1. Ms. Karen Levy – Admin for 24 years’ service to the Biotechnology Centre, from its inception.
2. Dr. Melaine Randle – 5 years to the Biotechnology Centre
3. The Centre supported two staff members – Shivanjali Dondapati & Carlton Barrows – for training in the handling of dangerous goods, by the Bureau of Standards of Jamaica.

## PUBLICATIONS

### Refereed Journal Publications

- Delahaye CM, SA Mitchell and D Robinson (2017) Potential of two Jamaican essential oils against mosquitoes and bacteria. *Jamaica Journal of Science and Technology* 26: 26–33.
- Morgan, K. and **Benkeblia, N.** (2017). Effects of modified atmosphere packaging (MAP) on microbiological and sensory quality of ackee fruit arils (*Blighia sapida* Koenig) stored under refrigerated regimes. *Packaging Research* 2: 12–21.
- Dewayne Stennett, Andrew Wheatley, Lowell Dilworth, **Helen Asemota.** (2016). Optimal dosage determination of a hypocholesterolemic bitter yam proprietary preparation in diet-induced hypercholesterolemic mice. *Journal of Basic and Applied Research* 2(3): 281–290.
- **Benkeblia, N.** (2016). Fructans and mineral nutrition. *Journal of Nutritional Therapeutics*, 5: 68–74.
- **Benkeblia, N.** (2016). Application of metabolomics to postharvest science of fresh crops. *CAB Reviews*, 11: 1–8.
- Lopez M.G. and **Benkeblia, N.** (2016). Profiling of short chain fructooligosaccharides (scFOS) of two ackee (*Blighia sapida* Koenig) varieties through different maturation stages. *Current Nutrition and Food Science*, 13: 37–42.
- Natwaine Sherune Gardner, Kedon JS Luke, Andrew O. Wheatley, Winston G. De La Haye, Perceval Bahado-Singh, Lowell Dilworth, Donovan A. McGrowder, Everard Barton, Lauriann Elizabeth Young, Ajibike Salako-Akande, Errol Morrison, NCST, Kingston, Denise Eldemire-Shearer, Henry Lowe, and **Helen N. Asemota.** (2015). Plasma Cocaine Metabolite and Liver CYP450 3A4 Isoenzyme Levels as Indicators of Cocaine Dependence in Rats Treated with Nutritional Supplements. *International Journal of Measurement Technologies and Instrumentation Engineering*, 5(2), 28–43.
- Marsha-Lyn McKoy, Kevin Grant, **Helen Asemota**, Oswald Simon & Felix Omoruyi. (2015). Renal and Hepatic Function in

Hypercholesterolemic Rats Fed Jamaican Bitter Yam (*Dioscorea polygonoides*). *Journal of Dietary Supplements* 12 (2): 173–183

### Technical Reports

- **Asemota H.** (2016). Academic Report to the United Nations University Biotechnology Programme for Latin America and the Caribbean on DNA Fingerprinting of Plants: Approaches, Applications and Relevance to the Agricultural Sector in the Caribbean and Latin America, pages: 1–33.
- Brown S., Randle M., Motilal L., Amarakoon I., Tennant P., Asemota H. (2016). DNA Fingerprinting of Plants: Approaches, Applications and Relevance to the Agricultural Sector in the Caribbean and Latin America. Laboratory Manual. Submitted to the United Nations University Biotechnology Programme.
- **Asemota H., Thomas L., Dondapati S., and Brown S.** (2016). DNA Fingerprinting of Yams using RAPD Primers. Laboratory Manual. CARDI-Intra-ACP Pacific Exchange-Scientists Training Programme. October 2016.
- **Asemota H. and Dondapati, S.** (2017). Progress Report to Mexico SRE & the Embassy in Jamaica, on ‘Bioengineering of Yams & Other Selected Caribbean Roots and Tuber Crops Biomaterials for Value-Chain Expansion & Pre-Commercialization Analyses’ Project & the Exchange Visit to Mexico. May 2017.
- **Asemota, H., Dondapati, S., Alonge, P., Wright, V., Grant, T.** (2017). First Annual Progress Report to the USA National Science Foundation (NSF), through O. Sadik (PI at SUNY) on the BREAD PHENO Project “Development and Field Testing Of Paper-Based Biosensors to Increase Agricultural Productivity of Small Holder Farmers In Developing Countries”. April 2017.

### Book Chapters

- Amarakoon I.I., C-L. Hamilton, **S.A. Mitchell, P.F. Tennant and M.E. Roye** (2017) Chapter 28: Biotechnology; Part VII Technology

Applications using biological systems. In: S. Badal-McCreath and R. Delgoda (Eds) *Pharmacognosy: Fundamentals, Applications and Strategy*. Elsevier Academic Press, USA. 416 pgs. Pp. 549–563.

- **Benkeblia, N.** (2016). Chromatographic techniques of mono- and di- saccharides analysis. In: *Carbohydrates in food*. A-C. Eliasson (Ed.). CRC Press, Boca Raton (FL), pp. 1–27.

### News Media Report

**Asemota, Helen.** Yam Biotech Research Group Aiming to Boost Bio-Economic Growth. *Mona News*, December 2016.

### CONFERENCE PRESENTATIONS & ABSTRACTS

- **Mitchell, S.A.** (2016) Global Perspectives on the Biotechnology and Tissue Culture Propagation of Cannabis. In session: Cannabis sativa: the Science Behind the Smoke. World Congress on In Vitro Biology, San Diego, California, June 10–15, PS-3.
- **Mitchell S.A.** (2017) Developing a vibrant and sustainable Jamaican industry with *Bambusa vulgaris*: establishing standard macro and micropropagation protocols as a key part of the process. June 10–13, 2017 In Vitro Biology Meeting. P-3051. Pg 26.
- **Mitchell, S.A.** (2017) Encouraging scientific study on medicinal plants in the Caribbean so as to safely integrate folk medicine into conventional medicine healthcare. In: Des îles en clair-obscur. La recherche scientifique en milieu insulaire tropical (Ed JP Claude and N Chonville), Connaissances et Savoirs, Anatole, France. pg 41–71.
- **Francis, R., Asemota, H.** Glycaemic Index for Caribbean Foods. The Fourth Biennial National Science and Technology Conference & Exposition on “Science, Technology and Innovation: Stimuli for Health Wealth and Wellness” Jamaica Pegasus Hotel, November 14–15, 2016. Oral Presentation.
- **Scott, N., Stennett, D., Wright, R., and Asemota, H.** Investigating the Anti-diabetic Properties of *Dioscorea alata* cv Renta. FMS Conference. Oral Presentation.

- **Asemota, H.** (2017). Research at the Biotechnology Centre and Bioengineering of Yams biomaterials for value-chain expansion & pre-commercialization analyses. The Research Centre for Food and Development (CIAD), Mexico. Oral presentation.
- **Asemota, H.** (2017). Research at the Biotechnology Centre and Bioengineering of Yams biomaterials for value-chain expansion & pre-commercialization analyses. Yucatan Center for Scientific Research (CICY), Mexico. Oral presentation.
- Dondapati, S., **Asemota, H.**, Alonge, P., Sadik, O. (2017). National Science Foundation Project- BREAD: Development and Field Testing of Paper-based Biosensors to Increase Productivity of Smallholder Agriculture in Developing Countries. Ginger/Sweet Yam Stakeholders meeting, Jamaica. Oral presentation.
- Grant, T., **Asemota, H.** (2017). An Opportunity for Improvement of Yam Production in Jamaica, via Biotechnology. Athletics Meets Science in London: Jamaica's Pursuit of Greatness Symposium. Oral presentation.
- **Asemota, H.** (2017). Yams: Natural Steroids or Myths? Athletics Meets Science in London: Jamaica's Pursuit of Greatness Symposium. Oral presentation.

## INCOME GENERATION

The various Workshop and Bio-skills Trainings as well as Grants, as indicated within the Report, have also been means of Income Generation for the Centre. The October 2016 Workshop for Pacific Scientists (Asemota/Dondapati) generated approximately Two Hundred & Twenty One Thousand, Six Hundred Jamaican Dollars (J\$221,600.00). The August 2016 UN Biotechnology Programme Workshop (Asemota/Guevera) generated US\$26,000 and approximately three hundred thousand Jamaican dollars (J\$300,000). The December 2016 CAPE Workshop (Roya) also generated some income. The NSF Yam Grant (Asemota/Sadik) generated approximately US\$104,800 and the Bamboo Project (Mitchell) generated US\$2000.

## **PUBLIC SERVICE**

### **Professor Helen Asemota**

- Ordained Minister (Reverend) – Pastor with the Holiness Christian Church of Jamaica.
- Chairman of Board – International Centre for Environmental and Nuclear Sciences (ICENS).
- Member, PSOJ Innovative Committee
- Member, NHMIJ Board, JIS
- Chairman and Co-Founder, Imade Asemota Foundation for Sickle Cell Research and Patients' Welfare (IAF), North Carolina, USA.
- Director, The Biotechnology Centre (FST, Mona).
- International Measurement Convention (IMEKO) Rep. in Jamaica.
- STEM Women of Science Concave (SWOC), USA. Founding Member.
- Conveyor, the 2016 United Nations University Biotechnology Programme for Caribbean and Latin American countries (UNUBIOLAC) International Biotechnology Training Workshop/Symposium
- General Co-chair, the 2017 IMEKO TC19 International Symposium in Aguascalientes, Mexico.

### **Dr. Sylvia Mitchell**

- Member of Caribbean Access and Benefit Sharing (ABS) Development Initiative Steering Committee.
- Member of the Society for In vitro Biology – Education Chair, and Co-Editor of *In vitro Report*.
- Member, Management Board, College of Agriculture and Science Education (CASE).
- Member, Standards Council, Standards and Technical Sub-Committee, National Quality Awards, and Chair of the Board of Examiners, Bureau of Standards of Jamaica (BJS).

- Member, Hope Garden’s Education and Research Sub-Committee, NPF.
- Alingment: Skyers, J. *Money in medicinal plants – researcher*. Observer newspaper article, December 8, 2016.
- Member, Technical Working Group, Cannabis Licensing Authority, 2016-present
- Member, Health and Wellness Network Committee, Linkages Council, Ministry of Tourism: 2016–present.
- Assisted in Jamaica’s preparation for the Convention of Biological Diversity, COP Convention, November 17, 2016
- Technical Secretary, Bamboo and Indigenous Material Products Standards Technical Committee (BIMPSTC), Bureau of Standards Jamaica, 2016–present
- Founding Member, Bamboo Industry Association of Jamaica, 2016–present
- Bureau of Standards Jamaica, Pension Trustee, 2013–present.
- Co-editor of *In Vitro Reports* (posted on their website every three months), *Society of In Vitro Biology* (SIVB), 2009–present
- Member, Organization for Women in Science for the Developing World (OSWD).
- Convenor, Working Group, Bamboo Charcoal, TC296, ISO. Organizer first meeting of the WG1, Indonesia, held August 23, 2017
- Judge, SRC INVOCAB Innovation Competition, Mico College Auditorum, July 28, 2017
- Displayed tissue culture plantlets and Sweet Potato pudding made from tubers reaped from tissue cultured plants, Research Day, February 1–3, 2017
- Panelist, Regulating the Cannabinoids – An Investor Perspective, A Status of Pharmacy Roundtable Discussion – ‘Status of Pharmacy: From Galenicals to Nutraceuticals’, College of Health Sciences in collaboration with UTECH Jamaica Pharmacy Alumni and the

Caribbean Institute of Pharmacy Policy, Practice and Research,  
UTECH, March 9, 2017.

### **Cannabis**

- Member of Technical Working Group, Cannabis Licensing Authority (CLA)
- Made presentation entitled ‘Cannabis Botany’ to the CLA, December 7, 2016
- Submitted draft – ‘Draft Protocol Manual for Jamaican Cannabis cultivators’ to the Cannabis Licensing Authority (CLA) (*Comments received by UWI and UTECH were incorporated into the document*).
- Biotechnology Centre Tissue Culture Laboratory was visited by the CLA on December 1st, 2016 as prerequisite for UWI license.

### **ABS**

- Assisted with IUCN ABS project along with other Caribbean colleagues entitled ‘*Advancing the Nagoya Protocol in Countries of the Caribbean Region: ABS – Bio-prospecting in the Caribbean Region*’
- Assisted Jamaica ABS group with preparations to Jamaica signing the Nagoya Protocol for monitoring Access and Benefit sharing of Jamaica’s Biodiversity and Traditional Knowledge

### **Professor Marcia Roye**

- Assistant Dean for Graduate Studies & Research, Faculty of Science & Technology, Mona
- Member of the Advisory Board of the National Compliance Regulatory Authority of the Bureau of Standards, Jamaica.
- Volunteer Cape Biology Teacher at Wolmer’s Boys’ School and St Andrew High School for Girls. Topic: Genetic engineering.

### **Professor Nouredine Benkeblia**

- Scientific Activities: Appointed “*Associate Editor*”, *Canadian Journal of Plant Science*
- Member of the *Canadian Society of Plant Science*

**International Symposia**

- Member of the Organizing Committee of the 2nd Asian Horticultural Congress, 26–28 September, 2017, Chengdu, China.
- Member of the Organizing Committee of the International Conference on Food Technology and Nutritional Science, 26–27 June, 2017, Baltimore, MD, USA.

**Professor Paula Tennant**

- Professor of Virology in the Department of Life Sciences, Mona

## THE CARIBBEAN INSTITUTE FOR HEALTH RESEARCH (formerly TMRI)



Professor Marvin Reid, MB, BS, PhD  
Director (Actg.)

### OVERVIEW OF THE DEPARTMENT

The Institute comprises of the Epidemiology Research Unit (ERU), Sickle Cell Unit (SCU) and Tropical Metabolism Research Unit (TMRU) on the Mona campus, and the George Alleyne-Chronic Disease Research Centre (GA-CDRC) at Cave Hill. This report covers the Mona units with the report for CDRC submitted to the Cave Hill Principal. The CAIHR continues to contribute substantially to the 2012–17 Strategic Objectives of the UWI with key areas being Research and Innovation, Graduate Studies, Income source diversification and Outreach through Clinical Services.

### Academic Programmes

The Institute offers Masters and doctoral programmes in Nutrition and Epidemiology. In the 2016–2017 academic year, the MSc programmes

(Epidemiology & Nutrition) were not offered as they were under revision, however the MSc Epidemiology will be offered in the coming year. Visiting faculty members were Dr Luoise Goffe and Professor Kennedy Cruikshank from Kings College, London, Dr. Barry M. Popkin, W. R. Kenan, Jr. Distinguished Professor Gilling's School of Global Public Health, University of North Carolina, Chapel Hill and members of Bloomberg Philanthropy, Dr Aja Murray representing the Evidence for Better Lives Consortium, University of Cambridge, Professor Sally McGregor, University College London and Dr. Simon Anderson from the University of Manchester.

We also coordinate the nutrition module for the MBBS programme and members of staff teach on several other courses within the MBBS, as well as the MPH and DrPH programmes and supervision of DM candidates. We have active collaborations with the Faculty of Medical Sciences in research training for staff through the FMS-CAIHR research fellowships which involves a two-year placement of FMS faculty in the CAIHR for training in research with the objective being to conduct and publish a research project. The fellowships continue to be successful and help to strengthen research capacity and build collaborations with the departments. Our Annual Research Skills Workshops (Basic and Advanced) were delivered in July with increased attendance as a result of changes made to the timing and delivery of the lectures. Staff at the ERU also conducted a workshop on the WHO/TDR Effective Project Planning and Evaluation (EPPE).

### **Clinical Service**

The Institute provides significant outreach to communities through clinical service. The Sick Cell Unit (SCU) operates the only comprehensive facility for the care of persons with Sick Cell Disease (SCD) in the English speaking Caribbean, as well as monthly clinics in Black River and Montego Bay. The SCU, collaborating with the Ministry of Health, provides island wide neonatal screening. Additionally, the SCU provides training and technical support for this programme. The programme is coordinated by a joint working group comprising the Ministry of Health,

the SCU and the Sickle Cell Trust. The Sickle Cell Unit also conducted the summer Teen Camp for children with SCD, aimed at increasing knowledge of the disease and their ability to cope with living with a chronic disease, especially at an age when they begin to assume more responsibility for self-care.

The TMRU provides in-patient care for children with severe under-nutrition, and subject volunteers of various clinical trials and experimental studies, and provides nutritional consultations for hospitalized patients. The nutrition consultation service is currently being expanded to include fee paying services in areas such as body composition analysis and weight management. Staff from all three units provide specialist clinical services to the UHWI serving in several outpatient clinics such as internal medicine, hypertension, diabetes, endocrinology and pulmonology.

### **Research and Publications**

The research programme of the Unit falls under the Institute's 3 themes of i) Biological Expression of Disease; ii) Determinants of Health along the Life Course; iii) Health Interventions, Evaluation, Translation and Implementation Research and are centred on Alignment Axis of The University of the West Indies Triple A strategic plan. The main research programmes are Human Nutrition and Metabolism, Endocrinology, Genetic underpinnings of disease susceptibility and severity, Sickle Cell Disease, Child Development, Chronic Non-Communicable Diseases – Surveillance, Epidemiology and Interventions, Inflammation and Wound healing. Collaboration across units and research programmes continues to be strengthened. The UWI team will also be part of a new Global Diet and Physical Activity Network, following the successful application to National Institute for Health Research in the UK by the University of Cambridge. UWI will be the only Caribbean site with other partners from Cameroon, Kenya and South Africa complementing the team.

CAIHR also became part of the Global Evidence Synthesis Initiative (GESI) in May 2017. GESI was created by a number of global or internationally oriented research organizations committed to the production

and use of evidence syntheses to enhance professional practice and public policy. The goal of the network is to build partnerships and collaborations and strengthen capacity in multidisciplinary evidence synthesis production and use in low and middle income countries (LMICs). This will be done through identifying established Centers of Evidence Synthesis in LMICs and connecting them through the network. The ERU continues to be a part of the Caribbean Branch of the USA Cochrane Collaborating Centre (CBUSCC) with a number of systematic reviews in progress in collaboration with faculty at CAIHR and the wider FMS.

Staff of the Institute has obtained grant funds to support research from a variety of agencies, with significant funding from Grand Challenges Canada, NIH, the Wellcome Trust and the IAEA. Initiatives were implemented to strengthen grant management support through the training of administrative staff in NIH Program Funding and Grants Administration. Continued investment in this by the UWI will be critical for achievement of the Strategic Objective, **Income source diversification.**

The upcoming academic year (2017/18) will see a continuation of our current activities, the execution of newly funded projects that will be coming on stream, submission of grant applications to support planned research activities and forging new partnerships to complement the skills and resources within the Institute and increase the visibility of the Institute and its research work. Identification and mentoring of the next generation of bright academic staff will also be another area of focus. There is currently a critical need to expand the current physical plant to accommodate new staff and project activities associated with current and future grants and training activities and negotiations on short and long term solutions for our needs will need to be given priority.

## PAPERS PRESENTED

- Blake, A., Asnani, V., Leger, R., Odesina, V., Wagner, L., Knight-Madden, J., **Asnani, M.** “Stigma and Illness Uncertainty: Adding to the burden of Sickle Cell Disease.” Oral presentation at the 25th

Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona. Kingston, Jamaica. November 2016. Received ‘Dean’s Award for Best Oral Presentation, FMS Annual Research Conference 2016’.

- **Baker-Henningham H., Bowers M, Francis T, Walker S.** (2017). “The Irie Classroom Toolbox: Cluster randomised trial of a universal violence prevention programme in Jamaican preschools”. Society for Prevention Research 25th Annual Meeting. Washington DC. May 30th–June 1st, 2017.
- **Baker-Henningham H, Bowers M,** Scott Y. (2017). “Piloting a universal violence prevention programme in Jamaican Grade One Primary Schools”. Society for Prevention Research 25th Annual Meeting. Washington DC. May 30th–June 1st, 2017.
- **Baker-Henningham H, Bowers M, Francis T,** Vera-Hernandez M, **Walker S.** (2016). “The Irie Classroom Toolbox: Preventing violence against children in early childhood classrooms”. Grand Challenges Conference, London, October 24th–26th, 2016.
- Blake, A., Asnani, V., Leger, R., Odesina, V., Wagner, L., Knight-Madden, J., **Asnani, M.** “Stigma and Illness Uncertainty: Adding to the burden of Sickle Cell Disease.” Oral presentation at 62th Annual Research Conference of the Caribbean Public Health Agency. April 27–29, 2017. Georgetown, Guyana. Received ‘Student Prize’.
- **Francis, D.** “Accuracy of cardiovascular disease related cause-of-death coding in Jamaica: 2008”. Ministry of Health Annual Research Conference. Kingston, Jamaica. November 2016.
- **Francis, D.** “Disparities in Cardiovascular Disease Mortality in Afro Caribbean’s and the U.S. Population (1996–2013)”. 62nd CARPHA Health Research Conference. Guyana, April 27–29, 2017
- **Govia, I.O.** “Psychological science and the 2030 sustainable development agenda: National, regional, and international collaboration”. Caribbean Action 2030: Regional Conference on the Sustainable Development Goals. Kingston, Jamaica. June 2017
- **Govia, I.O.** “Dementia research in the Caribbean as a policy

instrument". The 4th Alzheimer's disease International non-Latin Caribbean Conference on Alzheimer's and Other Dementias, Port of Spain, Trinidad. June, 2017

- **Govia, I.O.** "Aging, mental health, and dementia". Caribbean Preparatory Meeting for the 4th Regional Conference on Aging and the Rights of Older Persons, Port of Spain, Trinidad. June 2017
- **Govia, I.O.** "Jamaica Health and Lifestyle Survey III: Qualitative sub-studies". Mixed Methods International Research Association Regional Conference in the Caribbean, Montego Bay, Jamaica. March 2017.
- **Govia, I.O.** "*Trauma: Hurting and helping*". The 4th Caribbean Regional Conference of Psychology, Port au Prince, Haiti. November 2016.
- **Govia, I. O.** "*Early life crisis?*" *Caregiving for parents while caring for others*". The Planning Institute of Jamaica's Employees' Health and Wellness Day, Kingston, Jamaica. November 2016.
- **Walker S.** "Promoting young child development: Early learning in the home". Annual Meeting of the Dudley Grant Memorial Trust. Kingston, Jamaica. November 2016.
- **Walker S.** "Reach Up: An Early Childhood Parenting Programme." Early Childhood Development Symposium, Foundations for our future FEMSA/IDB. Mexico City, December 4–6, 2016

## Posters

- Morrison-Levy N., Knight-Madden J., King L., Royal-Thomas, T., **Asnani, M.** "Improving disease knowledge in 6 to 10 year olds with sickle cell disease: a quasi-randomized trial." Poster presentation at 25th Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona. Kingston, Jamaica. November 2016.
- **Rankine-Mullings AE**, Badaloo AV, Soares DP, Little CR, Schultz WH, Taylor-Bryan C, Stuber SE, Aldred KDP, Wisdom-Phipps ME, Luden JR, Knight-Madden JM, Latham T, Reid ME, Ware RE. "Transcranial Doppler ultrasonography (TCD), organ function,

metabolic and nutritional status in children with sickle cell anaemia: baseline data from the EXTEND trial.” The American Society Pediatric Haematology/Oncology Conference, Montreal Conference Centre, April 24–27, 2017

- Logan, T., **Rankine-Mullings AE**, King L., Knight-Madden J., Cunningham – Myrie C, Scott C. “A preliminary report on a retrospective study of early interventions in sickle cell anaemia.” National Health Research Conference, Ministry of Health, Jamaica Conference Centre, Kingston, Jamaica. November 24–25, 2016.
- Little, C., Wisdom-Phipps, M., **Rankine-Mullings, A.**, Drummond, H. and The EXTEND team. “EXpanding Treatment for Existing Neurological Disease (EXTEND): International Research Collaboration to Improve the Treatment of Sickle Cell Anaemia.” IACRN 8th Annual Conference. October 24–26, 2016.

### Invited Lectures

- **Asnani M.** “Communication Skills in the Doctor-Patient Relationship.” Invited lecture to Family Medicine Preceptors’ workshop. Department of Family Medicine, FMS, UWI. September 11, 2016.
- **Asnani M.** “Pregnancy in Sickle Cell Disease/Newborn screening in Jamaica”. Invited lecture to midwives for PROMAC programme, Jamaica Conference Centre, Kingston, Jamaica. October 27, 2016.
- **Asnani M.** “Management of Sickle Cell Disease in Primary Care.” Invited lecture to Family Medicine Faculty and Residents. Department of Family Medicine, Faculty of Medical Science, UWI. January 25, 2017.
- **Asnani M.** “The Role of Hydroxyurea in the management of Sickle Cell Disease.” Invited lecture at Advancement in Medicine Conference 2017. May Pen Hospital, Jamaica. February 27–March 1, 2017
- **Asnani M.** “Pregnancy in Sickle Cell Disease/Newborn screening in Jamaica.” Invited lecture to Primary Care Physicians for PROMAC programme, via Skype to NERHA, Ocho Rios, Jamaica. March 30, 2017.

- **Asnani M.** “Pregnancy in Sickle Cell Disease/Newborn screening in Jamaica.” Invited lecture to Primary Care Physicians for PROMAC programme, Kingston, Jamaica. April 4, 2017.
- **Asnani M.** “Systematic Reviews and Meta-analyses.” Invited lecture to UWISON Annual Research Internship Programme. June 7, 2017.
- **Knight-Madden J.** “Pulmonary Complications of Sickle Cell Disease.” Leila Wynter Conference – Bustamante Hospital for Children. November, 2016
- **Knight-Madden J.** “Newborn Screening in Jamaica and the Caribbean, 3rd Global Congress on Sickle Cell Disease.” India, February 2017
- **Knight-Madden J.** “Sickle cell disease: Pain.” The Society for Inherited and Severe Blood Disorders (T’DAD & T’GO), Inherited Blood Disorders Symposium. Trinidad and Tobago, March, 2017
- **Knight-Madden J.** “Management of Sickle Cell Disease during Pregnancy.” The Society for Inherited and Severe Blood Disorders (T’DAD & T’GO), Inherited Blood Disorders Symposium. Trinidad and Tobago, March, 2017.
- **Knight-Madden J.** “Newborn Screening for Sickle Cell Disease during Pregnancy.” The Society for Inherited and Severe Blood Disorders (T’DAD & T’GO), Inherited Blood Disorders Symposium. Trinidad and Tobago, March, 2017.
- **King, LG.** Hydroxyurea: “The Jamaica Experience.” Invited lecture to Health Care providers. Leila Wynter Conference – Bustamante Hospital for Children November 7th, 2016.
- **King, LG.** “SCD in Jamaica: A Tale of Research, Advocacy & Collaboration.” Hydroxyurea St. Maarten Sickle Cell Association. November 17, 2016
- **King, LG.** “Optimal Management of SCD – Adults and Paediatrics.” Sickle Cell Conference, St. Thomas, USVI. May 26th, 2017.
- **Simmonds Patrice L.** “Stress Management and Mental Health.” Oral presentation at National Commercial Bank Knowledge Series. Kingston, Jamaica. January 25th 2017.
- **Simmonds Patrice L.** “The Role of Hydroxyurea in the Management

of Sickle Cell Disease.” Oral presentation at Jamaica Orthopedic Association Conference. UWI, Mona. February 2017.

## PUBLICATIONS

### Book Chapters

- **Govia, I. O.**, Etowa, J. B., & Ordúñez García, P. (2017). “Monitoring progress to achieve health equity”. In *Legacy of the Crossing: Life, Death, and Triumph among Descendants of the World’s Greatest Forced Migration*. Ed. T. LaViest. New York, Diasporic Africa Press. Chapter 20
- Brown, D., **Govia, I. O.**, **Ferguson, T.**, & Boothe, M. (2017). “Chronic non-communicable diseases in the Anglophone Caribbean”. *Legacy of the Crossing: Life, Death, and Triumph among Descendants of the World’s Greatest Forced Migration*. Ed. T. LaViest. New York: Diasporic Africa Press. Chapter 6

### Referred Journals

- **Asnani M, Knight Madden J, Reid M**, Greene L, Lyew-Ayee P. “Socio-environmental exposures and health outcomes among persons with sickle cell disease”. *Plos One*. 12, 4 (2017). E0175260. <https://doi.org/10.1371/journal.pone.0175260>
- **Asnani MR**, Quimby KR, **Bennett NR, Francis DK**. “Interventions for patients and caregivers to improve knowledge of sickle cell disease and recognition of its related complications”. *Cochrane Database of Systematic Reviews*. 10. (2016). Art. No.: CD011175. DOI: 10.1002/14651858.CD011175.pub2.
- Featured Review: <http://www.cochrane.org/news/featured-review-interventions-patients-and-caregivers-improve-knowledge-sickle-cell-disease-and> Podcast: <http://www.cochrane.org/podcasts/10.1002/14651858.CD011175.pub2>
- **Baker-Henningham H**, Vera-Hernandez M, Alderman H, **Walker S**. “Irie Classroom Toolbox: a study protocol for a cluster-randomised

- trial of a universal violence prevention programme in Jamaican preschools”. *Mental Health Protocol*. 6, 5 (2016):e012166
- Campbell CP, Raubenheimer D, **Badaloo AV**, Gluckman PD, Martinez C, Gosby A, Simpson S, Osmond C, **Boyne M**, Forrester T. “Developmental contributions to macronutrient selection: a randomized controlled trial in adult survivors of malnutrition”. *Evolution, Medicine and Public Health*. 2016, 1; (2016):158–169.
  - Sheppard A, Ngo S, Li X, **Boyne M**, **Thompson D**, Pleasants A, Gluckman P, Forrester T. “Molecular Evidence for Differential Long-term Outcomes of Early Life Severe Acute Malnutrition”. *EBioMedicine*. 18 (2017):274–80.
  - Ehret GB, Ferreira T, Chasman DI, Jackson AU, Schmidt EM, Johnson T, **Reid M**, **McKenzie C** et al. “The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals”. *Nature Genetics*. 48, 10(2016):1171–1184.
  - **Ferguson TS**, **Younger-Coleman NOM**, **Tulloch-Reid MK**, Hambleton IR, **Francis DK**, **Bennett NR**, **McFarlane SR**, Bidulescu A, MacLeish MY, Hennis AJM, **Wilks RJ**, Harris EN, Sullivan LW. “Educational Health Disparities in Cardiovascular Disease Risk Factors: Findings from Jamaica Health and Lifestyle Survey 2007-2008”. *Frontiers in Cardiovascular Medicine*. 4, 28 (2017). doi: 10.3389/fcvm.2017.00028.
  - Maloney KC, **Ferguson TS**, Stewart HD, Myers AA, De Ceulaer K. “Clinical and immunological characteristics of 150 systemic lupus erythematosus patients in Jamaica: a comparative analysis”. *Lupus*. (2017) Jan 1:961203317707828. doi:10.1177/0961203317707828.
  - Bidulescu A, **Ferguson TS**, Hambleton I, **Younger-Coleman N**, **Francis D**, **Bennett N**, Griswold M, Fox E, MacLeish M, **Wilks R**, Harris EN, Sullivan LW. “Educational health disparities in hypertension and diabetes mellitus among African descent populations in the Caribbean and the USA: a comparative analysis from the Spanish town cohort (Jamaica) and the Jackson heart study (USA)”. *International Journal for Equity in Health*. 16, 33 (2017). doi: 10.1186/s12939-017-0527-9.
  - Ueda P, Woodward M, Lu Y, Hajifathalian K, Al-Wotayan R, Aguilar-

- Salinas CA, Ahmadvand A, Azizi F, Bentham J, Cifkova R, Di Cesare M, Eriksen L, Farzadfar F, **Ferguson TS**, Ikeda N, Khalili D, Khang YH, Lanska V, León-Muñoz L, Magliano DJ, Margozzini P, Msyamboza KP, Mutungi G, Oh K, Oum S, Rodríguez-Artalejo F, Rojas-Martinez R, Valdivia G, **Wilks R**, Shaw JE, Stevens GA, Tolstrup JS, Zhou B, Salomon JA, Ezzati M, Danaei G. “Laboratory-based and office-based risk scores and charts to predict 10-year risk of cardiovascular disease in 182 countries: a pooled analysis of prospective cohorts and health surveys”. *Lancet Diabetes & Endocrinology*. 5, 3 (2017). 196–213. doi: 10.1016/S2213-8587(17)30015-3.
- Reid GP, Williams EW, **Francis DK**, Lee MG. “Acute pancreatitis: A 7 year retrospective cohort study of the epidemiology, aetiology and outcome from a tertiary hospital in Jamaica”. *Annals of Medicine & Surgery (London)*. 20 (2017):103-108. doi:10.1016/j.amsu.2017.07.014.
  - Forsythe-Brown, I., Taylor, R. J., Chatters, L. M., **Govia, I. O.**, & Jackson, J. S. (2017). “Kinship support in Jamaican families in the United States and Jamaica”. *Journal of African American Studies*, 21, 2 (2017): 187-202 DOI: 10.1007/s12111-017-9355-7
  - Ataga KI, Kutlar A, Kanter J, Liles D, Cancado R, Friedrisch J, Guthrie TH, **Knight-Madden J**, Alvarez OA, Gordeuk VR, Gualandro S, Colella MP, Smith WR, Rollins SA, Stocker JW, Rother RP. “Crizanlizumab for the Prevention of Pain Crises in Sickle Cell Disease.” *The New England Journal of Medicine*. 376, 5 (2017):429–439.
  - Mathias RA, Taub MA, Gignoux CR, Fu W, Musharoff S, O’Connor TD, Vergara C, Torgerson DG, Pino-Yanes M, Shringarpure SS, Huang L, Rafaels N, Boorgula MP, Johnston HR, Ortega VE, Levin AM, Song W, Torres R, Padhukasahasram B, Eng C, Mejia-Mejia DA, Ferguson T, Qin ZS, Scott AF, Yazdanbakhsh M, Wilson JG, Marrugo J, Lange LA, Kumar R, Avila PC, Williams LK, Watson H, Ware LB, Olopade C, Olopade O, Oliveira R, Ober C, Nicolae DL, Meyers D, Mayorga A, **Knight-Madden J**, Hartert T, Hansel NN, Foreman MG, Ford JG, Faruque MU, Dunston GM, Caraballo L, Burchard EG, Bleecker E, Araujo MI, Herrera-Paz EF, Gietzen K, Grus WE, Bamshad M, Bustamante CD, Kenny EE, Hernandez

- RD, Beaty TH, Ruczinski I, Akey J; CAAPA, Barnes KC. “A continuum of admixture in the Western Hemisphere revealed by the African Diaspora genome”. *Nature Communications*. 7:12522 (2016): doi:10.1038/ncomms12522.
- Johnston HR, Hu YJ, Gao J, O’Connor TD, Abecasis GR, Wojcik GL, Gignoux CR, Gourraud PA, Lizee A, Hansen M, Genuario R, Bullis D, Lawley C, Kenny EE, Bustamante C, Beaty TH, Mathias RA, Barnes KC, Qin ZS, **Knight-Madden J**, CAAPA Consortium. “Identifying tagging SNPs for African specific genetic variation from the African Diaspora Genome”. *Scientific Reports*. 7:46398 (2017). doi: 10.1038/srep46398.
  - Kessler MD, Yerges-Armstrong L, Taub MA, Shetty AC, Maloney K, Jeng LJ, Ruczinski I, Levin AM, Williams LK, Beaty TH, Mathias RA, Barnes KC; **Knight-Madden J**, Consortium on Asthma among African-ancestry Populations in the Americas (CAAPA), O’Connor TD. “Challenges and disparities in the application of personalized genomic medicine to populations with African ancestry”. *Nature Communications*. 7:12521 (2016): doi: 10.1038/ncomms12521.
  - Lu Y, Day FR, Gustafsson S, Buchkovich ML, Na J, Bataille V, **McKenzie C** et al. “New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk”. *Nature Communications*. 7, (2016) 10495.
  - van Leeuwen EM, Sabo A, Bis JC, Huffman JE, Manichaikul A, Smith AV, **McKenzie C** et al. “Meta-analysis of 49 549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant in ANGPTL4 determining fasting TG levels”. *Journal of Medical Genetics*. 53, 7(2016):441–449.
  - Justice AE, Winkler TW, Feitosa MF, Graff M, Fisher VA, Young K, **McKenzie C** et al. “Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits”. *Nature Communications*. 8(2017):14977.
  - Liang J, Le TH, Edwards DRV, Tayo BO, Gaulton KJ, Smith JA, **McKenzie C.**, et al. “Single-trait and multi-trait genome-wide

- association analyses identify novel loci for blood pressure in African-ancestry population”s. *PLoS Genetics*.13, 5 (2017):e1006728.
- **Rankine-Mullings AE**, Little CR, **Reid ME**, Soares DP, **Taylor-Bryan C**, **Knight-Madden JM**, Stuber SE, **Badaloo AV**, **Aldred K**, **Wisdom-Phipps ME**, Latham T, Ware RE. “EXpanding Treatment for Existing Neurological Disease (EXTEND): An Open-Label Phase II Clinical Trial of Hydroxyurea Treatment in Sickle Cell Anemia.” *JMIR Research Protocols*. 5,3 (2016):e185.DOI: 10.2196/resprot.5872.PMID: 27619954
  - Morrison BF, Aiken W, Mayhew R, Gordon Y, **Reid M**. “Prostate Cancer Screening in Jamaica: Results of the Largest National Screening Clinic”. *Journal of Cancer Epidemiology*. 2016 (2016):2606805.
  - Leake PA, **Reid M**, Plummer J. “A case series of cholecystectomy in Jamaican sickle cell disease patients – The need for a new strategy”. *Annals of Medicine and Surgery (London)*. 15(2017):37–42.
  - Bhatt-Poulose K, James K, **Reid M**, Harrison A, **Asnani M**. “Increased rates of body dissatisfaction, depressive symptoms, and suicide attempts in Jamaican teens with sickle cell disease”. *Paediatric Blood & Cancer*.63, 12 (2016) 2159–2166.
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- **Walker SP**. The Philani Mentor Mothers Intervention: neighbourhood wide impact on child growth in Cape Town’s peri-urban settlements. *Vulnerable Children and Youth Studies*, 11:3 (2016) 221-222, DOI: 10.1080/17450128.2016.1220658 (invited commentary)
- **Walker S**. “Empowering parents”. Development and Cooperation, e-Paper no. 7 2017, (2017): 14 [https://www.dandc.eu/sites/default/files/pdf\\_files/2017-08-dc.pdf](https://www.dandc.eu/sites/default/files/pdf_files/2017-08-dc.pdf)
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#### Technical Reports:

- Harrison, **Asnani, M., Chang S.**, James C., **Royal Thomas T**, Pierre R, **Knight-Madden J**. “*Resilience in Jamaican Adolescents Living With a Chronic Illness*.” Report to UNICEF.” October 2016.

## **PUBLIC SERVICE**

### **Angela Rankine-Mullings**

- Member, Jamaica Pain Collaborative
- Member, Lyndhurst Methodist Church Health Fair August 13, 2017
- Member, Church Women United Health Fair April, 2017

### **Carolyn Taylor Bryan**

- Member, Medical Association of Jamaica
- Member, Paediatric Association of Jamaica
- Member, National Infant and Young Child Feeding Committee

### **Damian Francis**

- Member, WHO Cochrane Cornell Summer Institute Faculty, Cornell University
- Member, Pan American Health Organization / World Health Organization
- Member, World Health Organization Expert Advisory Panel on Drug Evaluation
- Member, Essential Medicine List Strategic Fund List Expert
- Member, Caribbean Public Health Agency Research to Policy Evidence Portal Committee
- Member, Jamaica Association of Professionals in Nutrition and Dietetics (JAPINAD) Standards and Regulations
- Member, Jamaica Food Industry Taskforce

### **Ishtar Govia**

- Member, Jamaica Mental Health Advocacy Network, Executive Board Member
- Member, Alzheimer's Associations of the Caribbean, Scientific Committee Co-Chair
- Member, Caribbean Alliance of National Psychological Associations (CANPA)

- Member, At-Large of the Executive Council
- Member, CANPA Caribbean Regional Conference of Psychology Standing Committee, Co-Chair
- Member, CANPA Publications and Communications Standing Committee, Co-Chair

**Jennifer Knight-Madden**

- Participant in the Pan American Health Organization Consultation for the Development of the 2017–2022 PAHO/WHO Country Cooperation Strategy(CCS), Jamaica, May, 2017.
- Participant in American Thoracic Society Workshop on Clinical and Research Priorities in Sickle Cell Lung Disease, Washington DC, May 2017.
- Participant in H3ABioNet 2nd Sickle Cell Disease Ontology Working Group- 2nd Workshop. Cape Town May, 2017.
- Sickkids Caribbean Initiative – Co-chair Sickle Cell Disease Working Group
- Member, Ministry of Health Sickle Cell Technical Working Group
- Member, Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia, Vice President

**Marshall Tulloch-Reid**

- Member, Caribbean Endocrine Society Immediate Past President
- Member, Support group for children with diabetes and their families

**Marvin Reid**

- Member, Research Advisory Committee, Caribbean Public Health Agency (CARPHA)
- President, Caribbean College of Family Physician

**Monika Asnani**

- Member, Term Graduate Faculty Appointment. Duke University Graduate School. 2017–2019

## The Caribbean Institute for Health Research

- Member, Co-Chair, Caribbean Primary Care Research group (CAPCRG), Caribbean College of Family Physicians. 2015–Present
- Member, Caribbean Representative to Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH)
- Board Member of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia
- Academic Editor, *Plos One Journal*
- Vice President, Indian Cultural Society in Jamaica

### **Novie Younger-Coleman**

- Member, Jamaica Statistical Society

### **Patrice Simmonds**

- Member, Medical Manager for Netball Jamaica (The Sunshine Girls) and Kingston and St. Andrew Football (KSAFA)

### **Rainford Wilks**

- Member, Jamaica Ministry of Health – Essential National Research Committee
- Board Member, Heart Foundation of Jamaica
- Chairman, Gibson-McCook Relays
- Member, Essential National Research Committee

### **Shelly McFarlane**

- Member, WHO/TDR Latin American and Caribbean Regional Training Network
- Member, University Diabetes Outreach Programme
- Member, Cannabis Licencing Authority Science & Research Committee
- Member, Jamaica Statistical Society
- Member, International Society for Paediatric & Adolescent Diabetes
- Board Member, World Walk Foundation
- Member, Kiwanis Club of Constant Spring and Division 23E –

Kiwanis Clubs of Eastern Canada & Caribbean

- Member, Support group for children with diabetes and their families
- Member, Jamaica Ministry of Health – National Health Research Committee

**Susan Chang-Lopez**

- Member, Early Childhood Commission
- Member, Franciscan Ministries Classical Harmony Committee

**Susan Walker**

- Member, Pan American Health Organization / World Health Organization – Advisory Committee on Health Research

**Trevor Ferguson**

- Member, Association of Consultant Physicians Executive

**INCOME GENERATION**

**Monika Asnani**

- Title: *Gene Transfer for Patients with Sickle Cell Disease Using a Gamma Globin Lentivirus*

*Vector: An Open Label Phase I/II Pilot Study. Effective Nov 2016.*

Funding Agency: Cincinnati Children's hospital Medical Centre PI: Punam Malik.

Co-Investigator: Monica Asnani

Value: US \$70,000

Period: November 2016 (15 years project)

**Jennifer Knight-Madden**

- Title: *A Phase 3, Double-blind, Randomized, Placebo-controlled, Multicenter Study of BT440 Administered Orally to Patients with Sickle Cell Disease*

Funding Agency: Global Blood Therapeutics, Inc.

Co-Investigator: Jennifer Knight-Madden

Value: estimated income USD\$70,000

Period: 2016–2018

### **Susan Walker**

- *Title: The gains at age 30 years from the Jamaica supplementation and stimulation study. 2016–2018.*

Investigators: S. Walker, S. Chang, S. Grantham-McGregor, P. Gertler, J Heckman, C. Vermeersch

Funder: World Bank Strategic Impact Evaluation Fund US\$399,491

- *Title: Sustainability of benefits from parenting interventions in health centres. 2017*

Investigators: S Walker, S Chang, J Smith, F Lopez-Boo

Funder: Inter-American Development Bank, US\$ 90,000

### **Ishtar Govia**

- *Title: Exploring dementia health and social care systems and services across the Caribbean diaspora. 2016–2017.*

Investigators: Reena Lasrado, Dawn Edge, Ishtar Govia, Maria Zubair, Louise Tanner, Polly Kaiser, Veena Lasrado

Funder: Manchester Institute for Collaborative Research on Ageing (MICRA), GBP 5500

- *Title: Improving Access to Mental Health Services through Collaborations with Faith-Based and Spirituality-focused Organisations and Leaders*

Investigators: Dawn Edge, Ishtar Govia

Funder: Biotechnology and Biological Sciences Research Council (BBSRC) Global Challenges Research Fund (GCRF), GBP 10, 000

- *Title: Global Diet and Activity Research (GDAR) Group and Network 2017–2019*

Investigators: Nicholas Wareham, Nigel Unwin (Primary Applicants – University of Cambridge). UWI partners – MK Tulloch-Reid, TA Samuels, I Hambleton

Funder: National Institute for Health Research (UK) GBP 2.0M

Start Date: June 1, 2017

### **Marvin Reid**

- Title: *EXpanding Treatment for Existing Neurological Disease (EXTEND) – an open label Phase II clinical trial to investigate the effects of hydroxyurea on the TCD velocities of children with sickle cell anaemia and a conditional or abnormal pre-treatment TCD velocity.*

Funder: Cincinnati Children's Medical Hospital; USD \$180860 (2015–2017)

- Title: *JAM6012 “Re-Establishing Nuclear Medicine Capacity In Jamaica”.*

Funder: IAEA EU 800,000 (2014–2017)

- Title: *Microelements in Life Expectancy and Ageing (MILEAGE) – Project Number: 734931*

Funder: European Union, (2017–2021)

### **Clinical Trials with Industry**

- Title: *A Multi-Centre, Phase II, Randomized, Double-Blind, Placebo-Controlled Study to Explore Efficacy and Safety of Sevuparin Infusion for the Management of Acute Vaso-Occlusive Crisis (VOC) in Subjects with Sickle-Cell Disease (SCD)*

Funder: MODUS Pharmaceuticals

- Title: *United Cannabis / Cannabinoid Research and Development Pharmacokinetic Kinetic Study On The Prana Line Of Bionutrients. An open-label, Single-centre, Crossover Clinical Trial to Assess the Pharmacokinetic (PK) Properties and Tolerability of Multiple Oral Doses of PRANA bio nutrients.*

Funder: United Cannabis USD180,000

**Sherine Whyte**

- *Title: The assessment of the Prevalence of Environmental Enteric Dysfunction and the Relationship with linear Growth in Urban Jamaican Infants.*

Funder: IAEA Euro €35,000.00.

- *Title: The Determination of Amino Acid requirement in persons with sickle cell disease.*

Funder: CARPHA Grant Fund US\$5,000

**Asha Badaloo**

- *Title: Improving the quality of life of older people through the early diagnosis of sarcopenia in Latin America & the Caribbean- a regional project.*

Funding Agency: IAEA Contract No: RLA/6/073

Value: €855,000.00 (for 11 countries)

Period of Award: September 2014–October 2017

- *Title: Bioavailability of protein from the common bean in Jamaican diets. A coordinated research project*
- Funding Agency: IAEA contract No. 19284, Value: €50,000.00

Period of Award: 2015–2020

**Marshall Tulloch-Reid (PI) & Asha Badaloo (Co-PI)**

- *Title: Promoting healthy growth in children: Assessing the role of parenting and early life influences on body composition and energy expenditure: National project.*

Funding Agency: IAEA. Value: €228,000.00

Period of Award: 2015–2017

**Carolyn Taylor-Bryan**

- *Title: Assessment of risk factors for childhood obesity and the impact of an educational intervention on infant feeding on growth and body composition: A co-ordinated Research Project.*

Funding Agency: IAEA contract No. 22428 Value: €50,000.00

Period of Award: 2017–2022

**STUDENTS**

- MSc Nutrition  
Shanique Williamson  
Georgette Gayle-Ricketts  
Alexander Ligea

## THE HUGH WYNTER FERTILITY MANAGEMENT UNIT



**Dr. Vernon DaCosta, MBBS, DMOG, FRCOG, FACOG**  
**Head of Department**

### **OVERVIEW**

**T**he Hugh Wynter Fertility Management Unit (HWFMU) achieved two of their major objectives this academic year. The first was the staging of the Inaugural International ISGE-CAGES Minimally Invasive Surgery Congress and Postgraduate Courses. The second was the unit being granted A Centre of Excellence for Minimally Invasive Gynaecologic Surgery from the International Society for Gynaecologic Endoscopy.

Our in vitro fertilisation (IVF) section is recovering from the effects of the Zika epidemic. The number of IVF cycles done per month has been steadily improving since the start of the year, and we are in the process of employing a marketing company to promote the services that are available in the unit.

The Masters in Counselling by Distance Education programme is still suspended for the academic year 2017/18 as we continue our work on

improving the curriculum, streamline delivery and make it more student-friendly.

The Unit had its first quality assurance review this year and is currently addressing the recommendations from the review committee. The Unit's continuous focus on training included the hosting of a one-day Live Minimally Invasive Surgery Workshop in March 2017 with the participation of obstetrician/gynaecologists from Jamaica, the wider Caribbean and from Europe.

In the area of professional development, Nurse Marjorie Lambert completed the Operating Theatre Nursing Course at The University Hospital of the West Indies.

The Unit continues to upgrade its programmes and services to promote greater efficiency and to provide the people of the Caribbean with the finest Sexual and Reproductive Services.

## CLINICAL SERVICES

**Table 1:** Surgeries and procedures performed in the Clinic

Procedures	Quantity
New Patients Registered (Family Planning)	262
Oral Contraceptives	258
Depo-Provera Injection	1674
Jadelle Subdermal Implant	191
IUCD	97
Tubal Ligation	16
Vasectomy	2
Diagnostic Laparoscopy	16
Diagnostic Hysteroscopy	194
Cervical Cerclage	21
Suction Curettage/ D&C	24
Cyst Aspiration	4
Operative Laparoscopy	110
Operative Hysteroscopy	31
Myomectomy	16
Hysterectomy	2

## STAFFING

The need for fulltime nurses was addressed with the addition of two registered nurses to the staff. Both nurses joined the staff in July of 2017. There are currently five nurses on staff.

**Table 2:** Assisted Reproduction

Services Offered	2016 –2017
Intrauterine insemination (IUI)	26
Egg Recoveries (STD/ICSI)	82
Embryo Transfers	76
Frozen Embryo Transfers (FET)	48
Semen Analyses	147
TESA/ MESA/ Biopsy/SSR	8
Vasectomy	2
Embryo Cryopreservation	19
Sperm Cryopreservation	2
Oocyte Cryopreservation	0
Donor Sperm	13
Egg Sharers/Egg Donors Recoveries	11
Egg Sharer Embryo Transfers	9
Egg Sharer Pregnancies	2
Recipient Cycles	9
Recipient Embryo Transfers	0
Recipient Pregnancies	2
Pregnancies	24
Patient Counselling Sessions	40
Cyst Aspirations	13
Endo. Aspiration	2
Registration	137

## TRAINING

The Training department contributes to the development of the skills and competencies of a wide cross-section of professionals throughout the English-speaking Caribbean using targeted training interventions. The present focus of the department is on conducting the Masters in Counselling (M.Sc.) Programme by a blend of Face-to-Face teaching and Computer-Mediated Instruction.

### Student Enrollment

Student enrollment for the academic year 2016–2017 is shown by the site as follows:

- The Bahamas (2)
- Belize (2)
- Dominica (10)
- St. Lucia (2)
- Mona (4)
- St. Vincent (1)
- Trinidad (13)

**Total student enrollment = 34**

### Programme Status

The programme was suspended for the academic year 2016–2017 to improve the efficiency of its delivery. The curriculum is currently being revised to bring the programme in line with the American 2016 Council for Accreditation of Counseling and Related Educational Programmes (CACREP). To date, some 20 courses have been written, and only three are left to be written.

### Graduation

Two students, one from Mona ID# 620025954 and one from Trinidad ID# 04731564 graduated in October 2016. Eight students, one each

from Belize and Mona, two from Trinidad and four from Dominica, are expected to graduate in October/November 2017.

## OUTREACH

The Outreach Section of the Hugh Wynter Fertility Management Unit (HWFMU) is responsible for bringing awareness to the services and work of the Unit, educating the community about the Sexual and Reproductive issues and providing assistance as needed. This section relies heavily on the academic, administrative, technical and support staff for the success of each event. This therefore highlights the significant level of collaboration occurring among the teams within each section of the Unit.

- **Visit to the Holy Trinity School** – Dr Loxley Christie, HWFMU Consultant, presented on Sexuality and Reproduction to the students of the Holy Trinity School on January 10, 2017.
- **Three-Day Population Conference** – This conference was hosted by the Statistical Institute of Jamaica (STATIN), in collaboration with the Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), that focused on the potential of population planning in achieving Jamaica's and the region's sustainable development goals. It was held at the Jamaica Conference Centre in downtown Kingston on January 25–27, 2017. The assistant director Dr. Pansy Hamilton was in attendance.
- **The University Research Days (URD) 2017** – This event is hosted annually by the University of the West Indies, Mona Campus. All the departments are expected to participate at the URD. The preparation involved the development and design of posters for approval and production by the URD Committee. The HWFMU had a booth in which the team mounted posters on research conducted, its services and achievements. Demonstrations were done using the simulator, and there were displays of family planning methods and assisted conception devices were displayed. In preparation for this three-day event, the medical team had to prepare and submit

research abstracts to the URD committee for approval followed by the designing and printing of the research posters. These along with the family planning methods and simulators and assisted conception devices were displayed. In preparation for this three-day event, the medical team had to prepare and submit research abstracts to the URD committee for approval followed by the designing and printing of the research posters. The booth was manned by staff members and Residents assigned to the Unit, to present the posters, and provide visitors with information on the HWFMU, its services and procedures.

- **Site Visit** – before the ISGE-CAGES International Congress and Postgraduate Course, the HWFMU visited the Hilton Rose Hall Hotel to finalize the arrangements and support services, for example, the audio-visual services with the provider Main Events Entertainment.
- **Visit the Jamaica Urology Society** – On March 5, 2017, consultant Dr Loxley Christie presented to the Jamaica Urology Society on paternal aging and IVF outcome.
- **Live Surgeries** – On March 21, 2017, endoscopic surgeries were performed in the HWFMU operating theatres by a team of visiting and HWFMU surgeons at no cost to 10 Jamaican women with complicated gynaecological problems. Dr Winston De La Haye, Chief Medical Officer, Ministry of Health, Dr Carl Bruce, Senior Director of Clinical Services; the University Hospital of the West Indies and Dr Carole Rattray, Head of Obstetrics and Gynaecology, the University of the West Indies expressed welcome and support for the Congress.
- **ISGE-CAGES International Congress and Postgraduate Courses** – The HWFMU in collaboration with the International Society for Gynaecological Endoscopy (ISGE) and the Caribbean Association of Gynaecologic Endoscopic Surgeons (CAGES) successfully hosted its inaugural International Congress and Postgraduate Courses in gynaecologic endoscopy on March 21–25 2017 at the Hilton Rose Hall Hotel, Montego Bay. The Congress was officially opened by the Director of the HWFMU and President of CAGES Dr Vernon DaCosta with welcome addresses from UWI, Mona by Professor

Ishenkumba Kawha, Deputy Principal and Vice Dean Professor John Lindo and from ISGE and AAGL by Professor Bruno van Herendel and Dr Franklin Loeffler respectively. Obstetricians/gynaecologists from Europe, United Kingdom., Australia, India, Middle East, North America, Africa, Asia, and the Caribbean, all experts in gynaecologic endoscopy, conducted postgraduate training in new hysteroscopic and laparoscopic techniques, discussed surgical cases and made presentations on technological developments and fertility issues. The Congress was attended by 118 persons with 32 doctors receiving training in new surgical techniques.

- **Endometriosis Month 2017** – During this month the HWFMU staff members participated in several activities including a march, radio interviews and panel discussions.
- **Endometriosis March** – The Endo March is one of a series of events executed by the founder of the BASE Foundation – Mrs Shauna Fuller Clarke during March which is Endometriosis Awareness Month. The 2017 Endo March was held on Saturday, March 25th in Montego Bay. Staff members were involved in activities at various levels with the Consultants participating in radio interviews, video recordings and appearing on TVJ Suzan Show to share information about endometriosis and its treatment.
- **Endo What?** Dr Vernon DaCosta was one of the panellists discussing the medical aspect of endometriosis at the showing of the international video entitled Endo What? produced specifically to support Endo month.
- **The Suzan Show:** The publicity in the newspapers about the 10 Jamaican women who had their gynaecological problems surgically corrected at no cost to them and the partnership with Shauna Fuller Clarke BASE Foundation, led to two of the women along with one of our Consultants, Dr. Loxley Christie, appearing on the pre-recorded television show on April 27, 2017. Support was offered by Administrative Officer, Mrs. Veronica Forbes Blake, outreach coordinator, Deon Black, and a secretary, Ileen Gill.

- **Wellness Day 2017** – This is an annual event that was held on March 29, 2017, at the UWI Regional Headquarters. The family planning methods and simulators assisted conception devices, and the posters were displayed. The medical team demonstrated the use of the simulators and devices and explained to inquiring visitors at the booth.
- **Feature on the Unit** – On April 4, 2017, one of the senior editors of the Jamaica Observer – Anika Richards and her photographer interviewed and photographed the Director Dr Vernon DaCosta and his academic staff members in the HWFMU conference room. A tour of the building was also conducted.
- **28th Annual Nursing Research Conference and 27th Mary J. Seivwright Day** – The UWI School of Nursing hosted its 28th Annual Nursing Research Conference and 27th Mary J. Seivwright Day on May 25–26, 2017 under the theme, “Transforming Nursing and Midwifery Education and Practice by linking Evidence to Action”. The assistant director, Dr Pansy Hamilton, chaired the ‘abstract committee’ for the Conference.
- **Grants Management Workshop** – This workshop was executed by UWI Office of Finance on May 30, 2017, at the University Regional Headquarters. The representatives from the HWFMU were the assistant director, Dr Pansy Hamilton, the administrative officer, Mrs Veronica Forbes Blake and secretary, Mrs Ileen Gill.
- **Annual Girls’ Day** – The programme officer for the MSc. Counselling Programme, Miss Elaine Jackson, was invited to the Annual Girls’ Day at the Kingston High School on May 30, 2017, to deliver a motivational address on maintaining a healthy attitude, values and self-esteem. The theme for 2017 was “I am Created for Greatnes . . . I am Woman”.
- **Quality Assurance Review** – Several consultations were held with staff with the purpose and preparations for the review including the development and transmission of the HWFMU QAR report by May 8, 2017.

## PAPERS PRESENTED

- **Wynter, Shaun.** “Common Gynaecological Issues in Adolescence”. The Ministry of Health in collaboration with University Hospital of the West Indies 6th annual national workshop “The Adolescent Patient”, Braco Melia Hotel, Jamaica, December 18, 2016
- **Carroll K.** “Fertility Options for Persons Living with HIV”. Workshop for Primary Healthcare Providers. St. Ann, Runaway Bay (June 2017)
- **Carroll K.** “Oocyte cryopreservation at The Hugh Wynter Fertility Management Unit”. The UWI Mona’s Research Days 2017
- **Christie, Loxley.** “Endometrioma: to remove or not...prior to IVF?” ISGE-CAGES International Congress and Postgraduate Courses, Hilton Rose Hall Hotel, Montego Bay, Jamaica March 23, 2017
- **Harriott, John.** “Controversy on salpingectomy prior to IVF and embryo transfer.” ISGE-CAGES International Congress and Postgraduate Courses, Hilton Rose Hall Hotel, Montego Bay, Jamaica March 23, 2017
- **DaCosta, Vernon.** Modified Laparoscopic Cervical Cerclage.” ISGE-CAGES International Congress and Postgraduate Courses, Hilton Rose Hall Hotel, Montego Bay, Jamaica March 24, 2017
- **Wynter, Shaun.** “Laparoscopic fertility enhancing endometriosis surgery: Jamaica experience. ISGE-CAGES International Congress and Postgraduate Courses, Hilton Rose Hall Hotel, Montego Bay, Jamaica March 24, 2017
- **Frederick, Sharifa.** “Adenomyosis Surgery and fertility enhancement.” ISGE-CAGES International Congress and Postgraduate Courses, Hilton Rose Hall Hotel, Montego Bay, Jamaica March 25, 2017

## PUBLICATIONS

- Pottinger AM and Carroll K. Male attitude toward masturbating: an impediment to infertility evaluation and sperm parameters. *Andología*, 2016 Sep; 48(7):774-8. doi: 10.1111/and.12511. Epub 2015 Dec 20.

## **MAJOR CONFERENCES/SEMINARS**

- Foster-Hammond, R. Basic Life Support Programme UHWI 2016.
- Godfrey, M. Advanced Life Support Programme UHWI 2016.
- IVF Team, Wellness Day 2017
- Walters, Y. UWI Research Day Poster UWI 2017.
- Everett-Keene, D. Christie, L. Annual Symposium for Jamaica Urology Society Jamaica March 2017.
- Walters, Y. Post Grad. Fertility Counselling USA 2016–2017.
- Walters, Y. Violence in the Emergency Department UHWI August 2017.
- Everett-Keene, D. Foster-Hammond, R. Grand Opening of Ova Tools Andrology & Embryology Training Institute with a Symposium of Industry Experts Fort Lauderdale USA July 2017.
- IVF Doctors, ISGE-CAGES International Congress and Postgraduate Courses, Hilton Rose Hall Hotel, Montego Bay, Jamaica March 23–25, 2017

## **PUBLIC SERVICE**

### **Hamilton, Pansy**

- Board Member, The Mico University College
- Board Member, Caribbean HIV/AIDS Alliance
- President, Jamaica Association of Health Service Executives
- Executive Member, YWCA Jamaica
- Board Member Pringle Home for Girls
- Member, Churches Emancipation Committee for the Annual Emancipation Lecture

### **Jackson, Elaine**

- Associate Pastor, New Wine Tabernacle Church
- Director and Executive Producer, UIWAIS House of Worship Ministry

## **The Hugh Wynter Fertility Management Unit**

- Member, Board for August Town Primary School
- Member, Jamaica Association of Composers, Authors and Publishers (JACAP)
- Member, Jamaica Association of Health Service Executives

### **Meade, Joan**

- Chairperson, Zone 4A, Sub-district 60B, Lions Clubs International
- Leo Advisor, Lions Club of St. Andrew Central

### **Williams, Lillith**

- Member, The International Association for Counselling

### **McKenzie, Claudette**

- Member, Jamaica Association of Health Service Executives

### **Carroll, Kamali**

- Member, Jamaica Association of Health Service Executives

### **Forbes-Blake, Veronica**

- Chairman, Education Committee, Jamaica Association of Administrative Professionals

### **Ingram, Neila**

- Pastor, St. Matthew's African Methodist Episcopal Church
- Member/Advisor, O'Meally United Club
- Board Member, Jamaica Council of Churches

### **Gill, Ileen**

- Member, Jamaica Association of Administrative Professionals

## THE NATURAL PRODUCTS INSTITUTE



**Dr. Rupika Delgoda**, D.Phil. (*Oxon*), B.Sc. (Hons.)  
Executive Director

### WORK OF THE INSTITUTE

With the establishment of regularized staff posts at the Institute in the previous two years, the academic year 2016–17 saw an increase in scholarly output. Fourteen publications by three members of academic staff included two books: a 716-paged, refereed, edited text book on *Pharmacognosy*, published by the renowned publishing house, Elsevier, Academic Press and a widely distributed, community-book on *Popular medicinal plants in Portland and Kingston, Jamaica*, published in collaboration with The New York Botanical Garden and funded through the a grant from National Geographic. The text book is expected to serve both local and international tertiary programs as well as researchers in the field, while the community book aims to preserve through documentation, local ethnomedical knowledge in the country. Work underlying these and other peer-reviewed articles published in scientific

journals, also allowed for successful liaisons to be established with the Ministry of Health (MOH). The Mosquito Control Research Unit, launched this year as a collaboration between UWI and MOH, will have research on insecticide resistance conducted by NPI researchers, playing a vital role.

Mosquito based research along with other multi-disciplinary, collaborative projects also attracted funding from the Seeding Lab, Instrumental Access Program for the provision of invaluable, scientific equipment benefitting researchers at NPI as well as the Department of Basic Medical Sciences.

With multiple opportunities taken up this year by our staff members for international training and exposure (including in Cuba, Singapore, USA, UK), along with growth in research capacity, the Institute looks forward to further increases in output in the upcoming years.

## PAPERS PRESENTED

### Invited plenary, oral and poster presentations:

- **Picking D**, Chambers B, Barker J, Shah I, Porter R, **Delgoda R**, Cytochrome P450 inhibitory action of *Hyptis verticillata* Jacq. extracts: Assessing the potential for drug interactions, 21st International Congress – Phytopharm, Graz, Austria, July 2–5, 2017
- **Picking D**, Cockpit Country: Vital resources and benefits, Trelawney Town-Flagstaff Maroon Treaty Day Celebration. March 1, 2017
- **Picking D**, **Delgoda R**, Medicinal plant safety: An overview of the drug interaction screening program for popular Jamaican medicinal plants at the University of the West Indies, 58th Society for Economic Botany Annual Conference, Bragança, Portugal, June 4–9, 2017
- **Delgoda R**, Evaluating natural inhibitors of drug metabolizing enzymes: implications for drug development and safety, 3rd Natural Products Conference: Interface of Science and Technology as Applied to Natural Product Research, Cancun, Mexico, Mar 20–23, 2017

- Turfus SC, **Delgoda R**, McKenzie J, Lindsay C, Nelson R, Ricketts S, Malcolm S, Pavy C, Mansingh A and Roopchand-Martin S, An investigation into the use of supplements consumed by Jamaican student athletes: A multi-faceted approach. Caribbean Poison Information Network (CARPIN) 8th Scientific Conference. College of Health Sciences, University of Technology, Jamaica, March 25–26, 2017
- **Foster K**, Younger-Coleman N, Aiken W, Brady-West D and **Delgoda R**, Prevalence of medicinal plant use by cancer patients in Jamaica, Faculty of Medical Sciences 25th Annual research conference, UWI, November 2016
- **Murray J**, **Delgoda R** Significant inhibitory impact exhibited by dibenzyl trisulfide and extracts of *Petiveria alliacea* on the activities of drug metabolizing cytochrome P450 enzymes and the implications for potential medicinal plant-drug interactions, Faculty of Medical Sciences 25th Annual research conference, UWI, Mona, Jamaica, November 9–11, 2016

## PUBLICATIONS

### Edited Books:

- Badal S and **Delgoda R** (ed.), *Pharmacognosy: Fundamentals, Applications and Strategies*, Elsevier Academic Press, U.K., 2016 (716 pages)
- VandeBroek, I. and **Picking, D.** (ed.) *Popular Medicinal Plants in Portland and Kingston*, Jamaica. New York Botanical Garden (NYBG) & the University of the West Indies, Kingston, Jamaica, 2016 (191 pages)

### Refereed Journal Articles and book chapters

- **Picking, D.** “Global regulatory framework for medicinal plants” , in *Pharmacognosy: Fundamentals, Applications and Strategy*, Badal, S and Delgoda, R (Eds), Elsevier, London, 2017, p6 63–675
- **Delgoda R**, **Murray JE**, Evolutionary perspective on the role of

plant secondary metabolites in *Pharmacognosy: Fundamentals, Applications and Strategies*, Badal S and Delgoda R (Eds), Elsevier Academic Press, U.K., 2016, p93-100

- **Murray JE**, Laurieri N and **Delgoda R**, Proteins in *Pharmacognosy: Fundamentals, Applications and Strategies*, Badal S and Delgoda R (Eds), Elsevier Academic Press, U.K., 2016, p477-493
- Turfus SC, **Delgoda R**, **Picking D** and Gurley BJ, Pharmacokinetics in *Pharmacognosy: Fundamentals, Applications and Strategies*, Badal and Delgoda (Eds), Elsevier Academic Press, U.K., 2016, p495-511
- Laurieri N, **Delgoda R**, Novel targets in drug discovery in *Pharmacognosy: Fundamentals, Applications and Strategies*, Badal S and Delgoda R (Eds), Elsevier Academic Press, U.K., 2016, p617-630.
- Young R and **Francis S**, Form and Function of the Animal Cell in *Pharmacognosy: Fundamentals, Applications and Strategies*, Badal S and Delgoda R (Eds), Elsevier Academic Press, U.K., 2016, p459-475.
- Campbell TF, McKenzie J, **Murray J**, **Delgoda R**, Bowen-Forbes C, *Rubus rosifolius* varieties as antioxidant and potential chemopreventive agents. *Journal of Functional Foods*. 2017, Volume 37, Pages 49-57; doi.org/10.1016/j.jff.2017.07.040. IF= 3.144
- **Foster K**, Younger N, Aiken W, Brady-West D, **Delgoda R**, Reliance on medicinal plant therapy among cancer patients in *Jamaica*. *Cancer Causes Control*. 2017 Jul 15. doi: 10.1007/s10552-017-0924-9. IF=2.735
- **Francis S**, Saavedra-Rodriguez K, Perera R, Paine M, Black IV WC, **Delgoda R**, Insecticide resistance to permethrin and malathion and associated mechanisms in *Aedes aegypti* mosquitoes from St. Andrew Jamaica, *PlosOne*, 2017 Jun 26;12(6):e0179673. doi: 10.1371/journal.pone.0179673. IF=2.806
- Campbell S, **Murray J**, **Delgoda R**, Gallimore W Two New Oxodolastane Diterpenes from the Jamaican Macroalga *Canistrocarpus cervicornis*, *Marine Drugs*. 2017 May 30;15(6). pii: E150. doi: 10.3390/md15060150 IF=3.345

- Nwokocha C, Palacios J, Simirgiotis MJ, Thomas J, Nwokocha M, Young L, Thompson R, Cifuentes F, Paredes A, **Delgoda R**. Aqueous extract from leaf of *Artocarpus altilis* provides cardio-protection from isoproterenol induced myocardial damage in rats: Negative chronotropic and inotropic effects, *Journal of Ethnopharmacology* 2017 May 5;203:163-170. doi: 10.1016/j.jep.2017.03.037. Epub 2017 March 22 IF= 2.998
- Badal SA, Asuncion Valenzuela MM, Zylstra D, Huang G, Vendantam P, **Francis S**, Quitugua A, Amis LH, Davis W, Tzeng TJ, Jacobs H, Gangemi DJ, Raner G, Rowland L, Wooten J, Campbell P, Brantley E, **Delgoda R**, Glaucarubulone glucoside from *Castela macrophylla* suppresses MCF-7 breast cancer cell growth and attenuates benzo[a]pyrene-mediated CYP1A gene induction, *Journal of Applied Toxicology*. 2017 Jan 31. doi: 10.1002/jat.3436 IF= 2.982; citations=2

## INCOME GENERATION

Picking D, 'Clinical assessment of CYP450-mediated herb-drug interactions in humans: effects of commonly used Jamaican medicinal plants, *Momordica charantia* and *Hyptis verticillata* and Survey of Jamaican public health physicians: knowledge of medicinal plants and awareness of, and attitude to, their use by patients in their care', New Initiative Principal's Research Multidisciplinary Grant JA\$2.5M.

Delgoda R and Francis S, Seeding labs Instrumental Access Program, Equipment value US \$500,000

Income from book sales: J\$200,000

## PUBLIC SERVICE

### Rupika Delgoda

- Deputy Chair, Natural History Museum of Jamaica
- Member, Steering Committee, National Nutraceutical Industry, Jamaica

## The Natural Products Institute

- Member, Cannabis Research and Development Evaluation and Monitoring Committee
- Member African Caribbean Cancer Consortium
- Secretary, International Society for the Development of Natural Products
- Co-Chair, 10th conference of the Faculty of Science and Technology, UWI
- Co-Licencee and organizer of TEDxJamaica
- Member International Society for Study of Xenobiotics
- Member American Society for Pharmacognosy

### **Sheena Francis**

- Board Member of the Caribbean Diaspora for Science, Technology and Innovation (CADSTI)
- Organizing Committee, 10th conference of the Faculty of Science and Technology, 2015
- Organiser for Sagicor Visionaries Competition
- Member, American Society of Tropical Medicine and Health
- Member, Caribbean Academy of Sciences
- Member, Jamaica Organic Agriculture Movement
- Jamaican Young Scientist Forum
- Member, Caribbean Coastal Area Management Foundation

### **David Picking**

- Advisory Panel, Jamaican Ministry of Health – Complementary and Alternative Medicine (CAM)
- Advisory Panel, Bureau of Standards
- Board of Directors, Perishables Jamaica

- Lecturer, All American Institute of Medical Sciences, Black River, Jamaica
- Collaborator, New York Botanical Garden (NYBG)

**Trevor H. Yee (Retired, honorary member)**

- Treasurer, the International Society for the Development of Natural Products (ISDNP)
- Executive Committee, the Natural History Society of Jamaica (NHSJ).

**AWARDS**

- **Francis S**, Nwokocha C and **Delgoda R**, Principal's Research Award for Most Outstanding Research Publication, Faculty of Science and Technology, January 2017
- **Picking D** and **Delgoda R**, Principal's Research Award for research project with greatest development impact, Faculty of Science and Technology, January 2017
- **Francis, S**, Scholarship to attend the Commonwealth Scientific Conference in Singapore, 13–16 June 2017. Organised and Funded by the Royal Society and the National Research Foundation, Prime Minister's office, Singapore.
- **Murray J** Basic Medical Sciences Award for best oral presentation, Faculty of Medical Sciences 25th Annual research conference, November 2016.

**STUDENT DEVELOPMENT**

- **Morrison I**, WIPO Sub-Regional Patent Drafting Course, Jamaica Intellectual Property Office, Kingston, Jamaica, 12–16 June 2017.
- **Wauchope S**, enzyme induction analysis at Loma Linda University, California, USA
- **Foster K**, An Introduction to R Statistics, University of the West Indies, Kingston, Jamaica, 8 December 2017.

## MONA AGEING AND WELLNESS CENTRE



Professor D. Eldemire-Shearer  
Head

### **WORK OF MONA AGEING AND WELLNESS CENTRE (MAWC)**

**D**uring the year under review, the Mona Ageing and Wellness Centre (MAWC) continued its mandate of improving the health and wellness of the older adult population nationally and regionally through novel ageing-related research, teaching and community outreach.

### **RESEARCH**

Research activities in the MAWC for the year in review included:

- Dementia Study Component II, a community-based survey of 300 persons, 60 years and over to study dementia in Jamaica has been completed working closely with University of the West Indies, Dr. Peter Johnson, Elite Diagnostic Imaging Services and psychiatrist, Dr. Roger Gibson. The research was approved by the UHWI/UWI/FMS

Ethics Committee and data collection is complete and dissemination is underway. The project received funding from the National Health Fund. Eldemire-Shearer (PI) (\$6 million)

- **Sexual and Genitourinary Health Profile of Older Adults aged 50 years and above** – This project, funded by the Principal's New Initiative Grant, is in collaboration with the Department of Obstetrics and Gynaecology (Dean, FMS) and the Department of Surgery, Radiology, Anaesthesia and Intensive Care-Section of Surgery-Division of Urology (Dr. William Aiken, Urology). The main aims of the project are to: a) identify the major gynaecological and urological issues for which older adults seek care, and b) document older adult's perceptions and practices in relation to sexuality and ageing. This project will contribute to Mrs. Tyndale's PhD. Data collection is complete. Analyses to fulfill the requirements of Mrs. Willie-Tyndale's PhD are complete. Willie-Tyndale (PI) \$1.5 million.
- **Asthma Health-Related Quality of Life and its Determinants** – This represents collaboration between investigators from the Department of Community Health and Psychiatry and Dr. Norman Waldron from the Mona Ageing and Wellness Centre. Dr. Waldron's role in this project included proposal and instrument development and he will focus dissemination of the Health-related Quality of Life of older adults with asthma and the psychometric properties of new instruments used in Jamaica. The project has received funding from the Principal's New Initiative Grant. Ricketts-Roomes (PI) (\$1.5 million).

## TEACHING

During the year of review, the Master of Public Health in Gerontology programme was not run because there were too few applicants. The two students who continued in the programme successfully completed their coursework and sat the MPH gerontology final exam (PUBH 6555). Both students passed two of the three final exams and will repeat the failed exam in November–December, 2017. There are nine applicants for 2017/18.

## **COMMUNITY SERVICE**

An important component of the MAWC activities is community services for older persons, their relatives, caregivers, schools and communities in general. These activities continued with:

### **Computer classes**

Computer classes for older adults continued with older persons attending and completing courses. The classes, which are offered at a minimal cost, are focused on introducing older adults to computers, typing documents, browsing the internet, creating and accessing email. In their assessment of the course and teachers, the seniors overwhelmingly thought that the content was excellent and delivered at an appropriate level. They assessed the teachers as being competent and patient. For the period under review 12 older adults attended classes for introductory and advanced computer skills.

### **Gym**

This physical activity programme began in January 2014 in collaboration with the School of Physical Therapy, UWI and the Department of Community Health, Health Centre. In order to participate in the activities, persons aged 50 years and older need to receive medical clearance from their physician as well as sign a consent and photo-release forms. Older adults who are cleared medically and have signed the necessary forms undergo a screening process by physiotherapist, Dr. C. Gordon. This allows for individualized intervention. The exercise programme is overseen by Dr. C. Gordon and her colleague Dr. S. Williams, along with physiotherapy students in the clinical component of their programme. Mrs. Shelly-Ann Palmer-Matthews from MAWC also assists by leading some exercises.

### **Ageing-Related Information Dissemination**

The Mona Ageing and Wellness Centre in keeping with its mandate of

providing current, accurate and evidence-based gerontology information for the public, continued in revising and introducing new brochures. This initiative is being led by Mrs. Julian McKoy-Davis.

The Mona Ageing and Wellness Centre has continued the online initiative of keeping the public informed with its Facebook page <https://www.facebook.com/uwimawc> – to provide a mechanism of disseminating valuable information to the public on various topical issues. The web page also allows for mutual exchanges between the Centre and our stakeholders. This initiative is being led by Mrs. Douladel Tyndale.

The MAWC launched a new information dissemination project during this academic year; launching a Quarterly Newsletter that aims to provide information on relevant topics affecting older adults and public health systems. This initiative is being led by Dr. Norman Waldron. MAWC Quarterly Newsletters are circulated to the Mona academic community, stakeholders, for example, National Council of Senior Citizens, and to retired UWI staff.

## **OUTREACH**

### **Older Adult Caregiver Programme**

The Mona Ageing and Wellness Centre introduced three short courses which targeted caregivers, family members of older adults, older adults and persons interested in providing care for older adults.

Module 1 was Older Adult Caregivers' Training which was offered in partnership with the US based Centre for Outreach in Alzheimer's, Aging & Community Health (COAACH). This training was conducted two days per week, between August 16, 2016 and September 20, 2016. A total of 36 students (women) participated in the training. Some of the feedback from the participants were:

*A really valuable course. Not only did I learn new things, but it confirmed some of the things I was doing instinctively but not sure about. (Participant 1)*

*The course was well planned. Presentations were practical and delivered professionally. Topics were relevant and areas well researched. (Participant 2)*

*This is an excellent programme and should be more advertised/accessible so that the nation on a whole can be more informed. (Participant 3)*

The feedback from the participants was very useful and instructive in developing the second module of the training, Diabetes Management which was offered on October 25, 2016 – November 3, 2016. Nineteen (19) students from the 36 who participated in Module 1 were in attendance, with Module 1 being a pre-requisite for participation. This training was primarily hands-on and practical in that it taught participants how to take care of an older adult who has diabetes.

The third module was on End of Life Issues and was offered on January 19, 24, 27 and 31, 2017. This training had a general target audience, based on the fact that the issues are general and not specific to older adults. A total of fourteen persons participated in this training which addressed issues such as Estate Planning, Vital Documents and what to do if a loved one dies at home. No pre-requisite was required for this training.

We have received ongoing requests for an encore of the short course offerings. The three modular courses will be offered during the 2017/18 academic year as well as additional course offerings and other modes of delivery to accommodate persons who were not able to attend the scheduled sessions.

### **Day Centre**

Unfortunately this initiative planned for 2016/17 is still on hold as no house has been assigned.

### **PAPERS PRESENTED**

- **McKoy Davis, J., Eldemire-Shearer, D.,** and James, K. “Jamaica. The place of choice to live work and raise families; but who can

afford to retire? Retirement prospects and realities among Jamaicans 30-80 years old.” The Population Planning for Development in Jamaica Conference, Kingston, Jamaica. January 2017.

- **Willie-Tyndale, D. & Eldemire-Shearer, D.** “Multi-sectorial action for a life course approach to healthy ageing”. The Caribbean Preparatory Meeting for the Fourth Regional Conference on Ageing. June 2017.
- **Willie-Tyndale, D., Aiken, W., & Eldemire-Shearer, D.** (2017). “Sexual health among middle-aged and older women attending gynaecology and urology clinics in Jamaica”. The 21st IAGG World Congress of Gerontology & Geriatrics held July 23–27, 2017. San Francisco, CA, USA. and Geriatrics (IAGG) World Congress in San Francisco, California. July 23–27, 2017.
- **Eldemire-Shearer, D., McKoy Davis, J.,** “Disaster Management: Using a Focus Group Approach”. Presented at 21st International Association of Gerontology and Geriatrics (IAGG) World Congress in San Francisco, California. July 2017.
- **Eldemire-Shearer, D.** “Retirement: life after”. Presented at Knutsford Court Hotel for The Ministry of Industry, Commerce, Agriculture & Fisheries retirement function. March 15, 2017.
- **Eldemire-Shearer, D.** “Women in Representational Politics: Safeguarding Wellness”. Presented at PCJ auditorium, 36 Trafalgar Road, Kingston 10 for Jamaica Women’s Political Caucus (JWPC) and the Rose Leon Memorial Trust: The Annual Rose Leon Memorial Lecture. March 6, 2017.
- **Eldemire-Shearer, D.** “Education within a Wellness Framework”. Presented at Church’s Teachers College Research Days, at 40 Manchester Road, Church Teachers’ College: Mandeville. February 23, 2017.
- **Eldemire-Shearer, D.** “Phases of Life”. Presented at Jamaica Suite, Phoenix Central for IWF Jamaica Chapter. February 14, 2017.
- **Eldemire-Shearer, D.** “Non-Communicable Disease: The Response”. Presented at Jamaica Conference Centre for MOH-4th Annual NCD. September 8, 2016.

## PUBLICATIONS

### Referred Journal Articles

- K Mitchell-Fearon, **D Willie-Tyndale, J McKoy-Davis, NK Waldron, D Holder Nevins, D Eldemire-Shearer** (2017). Health and Gender: What is the Situation with Older Persons and How Do We Address Health Care Needs? *West Indian Medical Journal Open*: 2017; 4 (1): Vol. 4 Issue 1, pp 1–6. DOI: 10.7727/wimjopen.2017.00.
- Gibson, R. C., **Waldron, N. K.**, Abel, W. D., **Eldemire-Shearer, D.**, James, K. & Mitchell-Fearon, K. (2016). Alcohol use, depression, and life satisfaction among older persons in Jamaica. *International Psychogeriatrics*, 29(4), 663-671. <https://doi.org/10.1017/S1041610216002209>.
- Mitchell-Fearon, K., **McKoy Davis, J., Willie-Tyndale, D.**, Abdulkadri, A.O. & **Eldemire-Shearer, D.** (2017). The economic burden of hypertension among older persons: Lessons from a developing nation. *Journal of Public Health in Developing Countries*, 3(1): 347–357.
- **McKoy Davis, J. G., Willie-Tyndale, D.**, Mitchell-Fearon, K., Holder-Nevins, D., James, K., & **Eldemire-Shearer, D.** (2017). Caregiving among community-dwelling grandparents in Jamaica. *GrandFamilies: The Contemporary Journal of Research, Practice and Policy*, 4(1): 7–40.
- **Eldemire-Shearer, D.**, James, K., Gibson, R. Johnson, P. & **Willie-Tyndale, D.** (2017). Dementia among Older Persons in Jamaica: Prevalence and Policy Implications. *West Indian Medical Journal Epub ahead of print*. DOI: 10.7727/wimj.2017.133.
- **Willie-Tyndale, D.**, Holder-Nevins, D., Mitchell-Fearon, K., James K., Laws H., **Waldron N. K.** & **Eldemire-Shearer D.** (2016). Participation in Social Activities and the Association with Socio-Demographic and Health-Related Factors among Community-Dwelling Older Adults in Jamaica. *Journal of Cross-Cultural Gerontology*. December 2016, Volume 31, Issue 4, pp. 427–447

## **INCOME GENERATION**

**Denise Eldemire-Shearer**, NHF Phase 2: Study to Determine Types of Dementia funded by NHF (\$6 million).

## **PUBLIC SERVICE**

MAWC academic staff have served the public in various organizations nationally and internationally including:

### **Professor D. Eldemire-Shearer**

- Chair, Health Research MOH Committees
- Member, PIOJ Health TWL/Vision 20/30 (Subcommittee of Health TWL)
- Member, 10 Year Strategic Plan Ministry of Health
- Member, UHWI Hospital Board
- Honorary Chair, Caribbean Community Retired Persons
- Member, Homeless Task Force Ministry of Health
- Patron, National Council for Senior Citizens
- Member, Central Health Committee
- Director Coordinator, Action Ageing Jamaica (formerly HelpAge Jamaica)
- Executive Director, Action Ageing Jamaica
- Member, International Federation on Ageing (IFA)
- Foundation Member, Caribbean Public Health Association (CARIPHA)
- Member, Medical Association of Jamaica (MAJ)

### **Dr. Norman Waldron**

- Reviewer, McMaster Online Rating of Evidence (MORE)
- Editor and Contributor, *MAWC Quarterly Newsletter*
- Member, America Public Health Association

**Mrs. Douladel Tyndale**

- Member, Gerontological Society of America
- Member, HelpAge Jamaica
- Member, International Epidemiological Association
- Member, The UWI Ethics Committee
- Reviewer, *West Indies Medical Journal*
- Contributor, *MAWC Quarterly Newsletter*

**Mrs. Julian McKoy Davis**

- Member, HelpAge Jamaica
- Member, Gerontological Society of America
- Member, Technical Review Panel of the National Policy for Senior Citizens
- Board Member, National Council for Senior Citizens (NCSC)
- Member, Health Committee, NCSC
- Abstract Reviewer, Gerontological Society of America (GSA) 69th Annual Scientific Conference (August, 2016)
- Volunteer, GSA: New Orleans, Louisiana (November, 2016)

**AWARDS**

**Denise Eldemire-Shearer**

- February 2017 – Legacy Award for contribution to Elderly from Ministry of Labour and Social Security, National Council for Senior Citizens 40th Anniversary Awards; Showcasing Our Legacy: Promoting Intergenerational Solidarity
- October 2016 – Order of Jamaica, (the nation's fifth-highest honour); for outstanding advocacy for senior citizens



# WESTERN JAMAICA CAMPUS

## Montego Bay

Year ending July 31, 2017



PATRICK PRENDERGAST, MA (CSBC)  
Campus Director (Actg. )

## – Overview –

During the 2016–2017 academic year faculty and staff of the UWI Mona-Western Jamaica Campus were engaged in several initiatives aimed at strengthening both the quality assurance processes and the physical infrastructure capacity to deliver on the promise of providing the best experience for all stakeholders, especially our students. The theme for the year was Transforming for Growth which provided the frame for intended expansion in: programme offerings at the undergraduate and graduate levels; physical plant and information infrastructure; and new student intake. It also spoke to the matter of improving the human resource capacity which led to increased and sustained staff engagement with the Human Resource and Management Department over the past year.

While no new programmes were offered, the dialogue is far advanced and we look forward to the introduction of courses and programmes in education, entertainment management and cultural enterprise, information systems management, library management, and sociology as early as January 2018. The proposed expansion of our programmes and physical plant would further locate the campus at the centre of the commercial, health and technological transformation taking place in the city of Montego Bay and bring added value to the social and cultural economy of the city.

For the 2016–2017 academic year we surpassed the 800 student population combining both undergraduate and graduate students. This was due to an increase in new students of just under 20 percent as well as improvement in retention of returning students. At the end of the academic year we had 786 undergraduates and 66 graduates for total of 852 registered students. This is compared to the July 31, 2016 numbers at 715 undergraduate and 74 graduate students with an overall total of 789

which was itself an improvement over our highest registration mark of 778 at the end of 2014/2015. This growth can be sustained with deeper embrace of new and emerging communication activities by the University's administration (See appendix for student application and registration numbers.)

The outreach and community enterprise as well as student development programmes took advantage and saw all round success in widening the reach of the UWI Community Film Project (UWICFP); deepening the involvement of student groups such as the Future Psychologist Association and the Student Nurses Association (UWISON); engaging the Mona Social Services (MSS); and initiating campus-based and community centred events with Bank of Jamaica, Jamaica National, Planning Institute of Jamaica, and National Housing Trust.

The continued growth of the campus is critical and is dependent on the development of a professional workforce and the promotion of a collective culture grounded in institutional advancement and community transformation. We are excited by the drive of our young academics to engage in research and publication and the increased participation of our undergraduates and graduate students in research initiatives. The main publication of an edited volume, *The Economic Transformation of Jamaica*, in February 2017 features several chapters by WJC academics combined with that of other stakeholders from critical areas of national economic development and underscores the value of partnerships between academia and industry.

Overall, the campus continued to play a significant role in the development of the Western region and must seek to highlight that difference in the coming 2017–2018 academic year which will mark the tenth year of its presence in the city of Montego Bay, Jamaica.

## PUBLICATIONS

- Anderson, R. and Longworth, L. (Editors) (2016) *Economic transformation of Jamaica – Policies, competitiveness and technology innovations*. Indiana, USA: Trafford Publishing.

- Campbell, Steffon (2017) “Out of many one Love? A Comparative study on the nature of sexual communication in polyamory and monogamy in the Caribbean” (115–141) in Karen Carpenter (Editor) *Interweaving Tapestries of Culture and Sexuality in the Caribbean*. Palgrave Macmillan.

## **PUBLIC LECTURES**

- The campus hosted several public engagement activities chief among which are our now established February Lecture Series and the CARIMAC-WJC Distinguished Lecture in April. The February Lecture Series, now in its second year kicked off 2017 with the official launch of our publication, *Economic Transformation of Jamaica*. The keynote was delivered by Pro Vice-Chancellor for Global Affairs, Ambassador Dr. Richard Bernal. The other lectures in the series included: *The Economics of Crime in Jamaica* presented by Dr. Leroy Binns, (adjunct lecturer, Department of Government) and *Shifting the Philosophy and Geography of Entertainment Reason: A Jamaican Music Culture of Sound Regulation Versus Noise Abatement in a New Regulated Era* by Dr. Sonjah Stanley Niaah, Senior Lecturer, Institute of Caribbean Studies.
- The 7th annual CARIMAC-WJC Public Lecture was held on April 12 under the theme *Get it together – The role of media in Caribbean integration* delivered by noted Caribbean media giant, Mr. Ken Gordon on April 11, 2017.
- Earlier in the year, the Press Association of Jamaica (PAJ) supported by the Public Affairs Division of the US Embassy in Jamaica executed a public lecture and awards presentation during Journalism Week in November 2016. The lecture was delivered by Kevin Z. Smith, deputy director of the Kiplinger Programme in Public Affairs Journalism and examined the role Jamaican media played in the coverage of grief. A special presentation was made to Mr. Lloyd B. Smith, founder and Managing Editor of the *Western Mirror*, as well as the announcement of a special PAJ scholarship to a CARIMAC student valued at JA\$50,000.

## **PUBLIC SERVICE**

- **Ms. Inderia Adjudah**, WJC Administrative Officer, served as Chairman of the Administrative Professionals Week Committee 2016/2017 for the St. James Chapter of The Jamaica Association of Administrative Professionals. She is also a member of the MoBay City Run Committee in charge of Volunteers/ Marshalls and Water Stations.
- **Mr. Patrick Prendergast** served a second year as Director of the Montego Bay Chamber of Commerce and Industry up to April 2017. He also continues as the leader of the Association of Western Jamaica Tertiary Institutions.
- **Ms. Nicole Plummer** and **Mr. Steffon Campbell** continue to play critical research and communication roles as part of the Rastafari Coral Gardens Committee/UWI-Mona, WJC Working Group.

## **INCOME GENERATION**

With a significant increase in new student intake for the 2016–2017 academic year there was even greater demand on the limited space available for teaching, co-curricular and other critical community enterprise activities. However, we continued to promote external use of our facilities as part of the income generation strategy. A strategic balance between the internal obligations and outside requests allowed the campus to increase its earnings from basic rental of space to just over JA\$2.490 million.

The WJC Branch Library continues to generate some income from its reprographic and allied services to the tune of JA\$1.093 million, while Office of the Director executed a US\$25,000.00 IDB funded bi-lingual project (Basic Spanish) for the BPO sector. This was done in collaboration with the Business Process Industry Association of Jamaica (BPIAJ) in Montego Bay.

## **INTERNAL OPERATIONS**

The focus over the period under review was on developing effective transition between Admissions, Registration and Examinations while

building on the systems that would improve the quality of delivery and number of services provided at WJC. Mechanisms were introduced to shorten the waiting period for services that would normally be provided directly at Mona. For example, the newly engaged Administrative Assistant with specific responsibility for Examinations led a process of proactive application of the UWI Examinations Regulations, orientation for staff and students, re-training of all invigilators, and more direct communication with the Mona Examinations Section. There is more work to be done but the various teams are committed to improving student relations with the systems and procedures from admission to graduation.

## **COMMUNITY OUTREACH AND ENTERPRISE**

The UWI Community Film Project (UWICFP) has become a significant part of the community outreach agenda expanding to seven communities over the last two years. The communities involved in 2016–2017 were Canterbury, Catadupa, Flanker, Granville, Norwood, Pitfour, and Salt Spring with 14 participants completing the training. One of the feature films in GATTFEST 2017 examined the state of coral reefs along the Western Jamaica shoreline was produced by a couple WJC participants and drawing on the expertise of the Discovery Bay Marine Lab.

Two new initiatives emerged from the expanded presence of the UWICFP. The first involved a JAMPRO/UWI Mona-WJC Creative Industries Open House under the theme “Unlocking the Opportunities in the Film Industry – Western Jamaica” at the Montego Bay Convention Centre in February 2017 with just fewer than 50 persons from across the creative industries participating. The second initiative was the WJC Ambassadorial Corps endorsed Jamaican Film Festival held April 4–6 featuring *Rise Up*, *Songs of Freedom* and *The Harder They Come*. All the films had both star and production roots in Montego Bay, St James. Both initiatives are set to become annual affairs as the campus deepens its relationship with the various communities of interest and geography across the region.

The RuJohn Foundation held its annual summer Celebrity and Sports Camp; and this year the campus was specially recognized for its support

and sponsorship of the Foundation's philanthropic work at its highly anticipated awards ceremony at IberoStar Resorts in June 2017. The scholarships granted by the RuJohn to UWI students for the current academic year stands at approximately US\$12,000.

There was also a one-day only Open/Information Day in January 2017 which was highly successful and commended. This year, the event was deliberately placed during the regular teaching period. Approximately 600 students and teachers converged on the campus – the same number that participated during the previous year's two-day events – and for the most part expressed great satisfaction with and appreciation for being able to see the campus in action.

The WJC Week 2016 held October 9–16 was expanded to include students and staff attending a special church service, a media appreciation breakfast with 12 of the Western Jamaica-based reporters and journalists from all the major local media houses, a research symposium on tourism linkages, a forum on youth issues, and the annual Mental Health symposium organized by the Western Regional Medical Association and supported by the WJC Psychology Unit.

## **STUDENT ACHIEVEMENTS**

Two of the five valedictorians for the 2016 graduation ceremonies had direct connection with the UWI Mona – WJC. This achievement obviously brought tremendous joy, pride and motivation to the campus and the students. Ms. Chelsea Ricketts, who is currently pursuing graduate studies in Clinical Psychology at Mona and Mr. Marlon Reid who completed the first two years of his MBBS programme at WJC, were the standard bearers for the Faculties of Social Sciences and Medicine, respectively.

Also, the debating society has become a major force with which to reckon, participating and showing dominance in both local and international competitions including the UWI Leads "Great Debate" and the World Debating Championships held in Mexico. Of special note, Miss Monique

Barrett from the psychology section was accepted on full scholarship to do an MSc in Social Work at Barry University in Florida, USA.

As part of recognizing student success, The WJC Honor Society was introduced in November 2016 to honour academic achievements across all the faculties at the campus. Twelve students with the highest GPA were formally welcomed into the Society and each presented with a certificate of recognition and a five thousand dollars gift voucher, underwritten by Mr. Patrick Prendergast and redeemable at the UWI Bookshop. The top performing student for Year 2 was also given the Luz Longworth Award – a tuition scholarship of Fifty Thousand dollars (JA\$50, 000); while the top performing student for Year 1 received the Campus Director's Award – also a tuition grant valued at Seventy Thousand Dollars (JA\$70, 000). The former was sponsored by a member of the business community while the latter was underwritten from a special student fund set up by the Campus Director from project administrative fees.

The UWI School of Nursing continued its hold on the annual LASCO/NAJ Nursing Student and School of the Year Competition. For the second consecutive year a UWISON-WJC student was triumphant with Miss Joy Odusanya being declared Student Nurse of the Year 2017–2018. The UWISON-WJC was also once again voted Nursing School of Year 2017–2018 for the third consecutive year. The Student Nurse of the Year 2016–2017, Miss Nadja Brown was also successful in implementing her special project, a community health fair for basic school students in a St. Elizabeth community.

## **CONCLUSION – CHANGING LIVES...TRANSFORMING COMMUNITIES**

The 2017–2018 academic year will mark the tenth year of the WJC's establishment in the city of Montego Bay. This should therefore be a significant time for us as a campus to underscore the role we have played in the development of the city. The theme for the year is Changing Lives... Transforming Communities and will be the frame within which we acknowledge, recognize, and celebrate our contribution in research,

public service and academic programming over the last ten years. The 2016–2017 year was therefore a sort of a foundational year for not only positioning the WJC as the best little piece of UWI out west but also making the UWI Mona the campus of choice among all stakeholder and interest groups. We have seen significant growth in the new student intake, sustained the quality assurance of our academic programmes and student development services, graduated over 800 students, consolidated our partnerships within and across the entire community, and accepted our leadership role as a higher education institution.

In the tenth year we must therefore look to not only marking the ten years of our existence but ensuring a positive reflection on the legacy of brand excellence which is the UWI. We must be an active part of the UWI@70 experience, proactive in the design and implementation of new initiatives to realize the new Triple A strategic plan of the UWI, and be brilliant in our positioning of the UWI Mona-Western Jamaica campus as a significant player in the lives, well-being and sustainable development of the city in which our great UWI Mona is located.

This should include improving our student engagement opportunities, engaging the academy with industry in research and personal and corporate development initiatives, and expanding our unique programme offerings. Importantly, we must be proactive in the promotion of a culture of student success as part of changing lives and transforming communities.

