

THE CARIBBEAN INSTITUTE FOR HEALTH RESEARCH (formerly TMRI)



Professor Susan Walker, BSc *Bristol*, MSc, PhD *Lond*
Director

EPIDEMIOLOGY RESEARCH UNIT

The ERU had a very busy and exciting academic year with faculty members actively involved in teaching, research (grant applications, field work & publications) addressing issues of regional and global impact and service to the UWI and the wider community.

We were successful in obtaining several grants that will help to move our research agenda forward in the areas of Child Development and Chronic Non-Communicable Diseases.

This year we completed the 30 year follow-up of the Jamaica supplementation and stimulation study, funded by the World Bank Strategic Impact Evaluation Fund. The study demonstrates the gains in adulthood from our early childhood intervention and is of global policy relevance. We also conducted an evaluation of the sustainability of our Inter-American Development Bank funded parenting intervention delivered through government health centres.

New implementations of our Reach Up: early childhood parenting programme began in Jordan/Lebanon, Brazil and Panama. We are collaborating with the Jamaica Ministry of Health to integrate the programme into the primary care health system and this will continue in 2018–19.

We participated in the planning meeting at the Institute of Criminology, Cambridge, UK for the Evidence for Better Lives Study. This study is being conducted in 8 cities around the world, including Kingston, and concerns determinants of violence against children and policy initiatives to reduce this. Funding was obtained from the Botnar Foundation to conduct a foundational study to inform the full scale study.

This year also saw the completion of the third National Jamaica Health and Lifestyle Survey (JHLS-III) which examines the prevalence of chronic diseases and their risk factors among a nationally representative sample of Jamaicans 15 years and older. It also saw the commencement of fieldwork for a series of sub-studies that will be conducted using participants from this study, including an assessment of Cardiovascular Health among Urban Residents. In collaboration with the Fox Chase Cancer Centre in Philadelphia we have also received funding from the National Institutes of Health (NIH) through an RO-1 Grant to create an 8,000 person strong cohort that will include the JHLS-III participants. This cohort will be a tremendous resource to the University and the Caribbean, helping us to better understand our chronic disease epidemic and providing a platform for future research studies. It will also provide an outlet for the work being done as part of our NIH Planning Grant as we develop plans for a Regional Centre of excellence in Cardiovascular Disease and Cancer.

The research agenda for the Global Diet and Physical Activity Network has been developed and field work for the projects will begin in Jamaica, Cameroon, Kenya and South Africa in the upcoming academic year. Jamaica will lead the Evidence Synthesis Work Package involving a scoping/systematic reviews and data aggregation for public health modelling for the determinants of physical activity in these countries. Other aspects of this study will include an assessment of policy related to

diet and activity, an evaluation of natural experiments that result from policy decisions (Cokes pledge to voluntarily remove sodas from classrooms, the building of a hypermarket in Kenya), ethnographic evaluation of the built environment as it determines physical activity and dietary practices and also evaluating the school environment and its impact on physical activity and diet.

In collaboration with the Department of History and Archaeology (UWI), Exeter University and The University of Cambridge we have embarked on the Urban Foodscapes Project – A cross-disciplinary exploration of historical and epidemiological transformations in two neighbouring but contrasting cities, Kingston (Jamaica) and Port-au-Prince (Haiti). This project seeks to identify the ways Caribbean cities impact on their populations’ food practices, opportunities and in turn health; understand underlying mechanisms that have led to both ‘unhealthy’ spaces (e.g. fast food dense neighbourhoods) or ‘healthy’ spaces (e.g. urban gardens) & investigate how these social, political and economic determinants of nutrition have developed and shaped into contemporary foodscapes.

We are also part of the Strengthening Responses to Dementia in Developing Countries (STRiDE) study funded by the UK Research Council’s Global Challenges Research Fund. It aims to build and strengthen economic and social research capability for dementia in developing countries and support the development of national policies for this disease. This will be accomplished by bringing together a multi-national, cross-disciplinary, multi-institutional team of researchers and dementia policy practitioners in the UK and the seven middle-income countries that are participating in this study. Jamaica is the only Caribbean site for this project.

We had several academic visitors this year including Dr. Katherine Theall, Tulane University School of Public Health (who conducted a workshop on Multi-level modelling for members of the Institute), Dr. Jenna Coalson from the Center for Insect Science, University of Arizona, Professor Kennedy Cruikshank from Kings College, London, Professor

Sally McGregor, University College London and Dr. Simon Anderson from the University of Manchester.

We completed teaching our newest cohort of 8 MSc Epidemiology Candidates (4 physicians, 7 Jamaicans) who are currently working on research projects in their area of interest. This year saw a more organized approach to the preparation of learning materials and other resources with the hiring of a Biostatistician with specialist training in online learning, improving our efficiency and helping to support a better student experience.

University approval was obtained for the Post Graduate Diploma in Health Research & Epidemiology this year. We are finalizing arrangements with the Open Campus to offer this course in Semester 2 of the 2018/19 academic year using their online platform.

The upcoming academic year (2018/19) 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 (particularly the implementation of interventions to improve health in the region) and forging new partnerships to complement the skills and resources within the Unit particularly in the area of Biostatistics where we face a critical shortage and will be exploring approaches to build local capacity. We hope that these activities can increase the visibility of the UWI and the Institute. There is currently a critical need to expand the current physical plant to accommodate new staff and project and training activities, however the recent budget cut has significantly impacted our ability to act on these initiatives at this time.

SICKLE CELL UNIT

The year under review was a busy one with advances in several areas and consolidation in others. Progress in research, clinical care, education and outreach were all achieved.

The Unit impacted global research in SCD by actively participating in

the NIH sponsored production of a SCD Ontology, the use of which is anticipated to greatly assist in international collaborative work. Clinical trials in curative (gene therapy) and therapeutic trials continued with sponsorship both from the NIH and the pharmaceutical industry. Several other projects continued with emphasis on psychosocial and neurocognitive work. Impactful publications included an update of mortality in the Jamaica Sickle Cell Cohort Study.

The work of the Unit was strengthened by the addition of two seasoned academics, one a statistician. Recruiting researchers remains a priority as we seek to make best use of the gamut of research opportunities before us, and to improve research funding. Several students, local and international, developed their research and clinical competence at the Unit this year.

The work of the Unit directly benefited thousands of person's island-wide living with the disease. At risk adolescents were impacted at the fifth annual Sickle Cell Teen Camp. In addition to the main clinic, care to patients in the West and South was provided through monthly clinics in Montego Bay and Black River. Health care workers in the Western RHA were trained in several sessions during the year. The Sickle Cell Unit (SCU) continued to collaborate with the Ministry of Health and Regional Health Authorities to deliver island-wide newborn screening for SCD, identifying, in the Southern and Northern Regional Health Authorities, more than 100 newborns with SCD. Our staff were also in leadership roles in the Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia (CAREST) and the SickKids Caribbean Initiative (SCI).

On October 26–27, the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH) co-sponsored the 11th Annual Sickle Cell in Focus with the x (SCU), Caribbean Institute for Health Research. Overall, the conference was a success and laid the foundation for future collaborations in Jamaica. More than 20 prominent international speakers gave insightful, cutting edge talks about various aspects of SCD.

The upcoming year will see the completion of some ongoing projects and initiation of others. Emphasis will be placed on attracting grants and other forms of income generation to allow continued outreach despite the harsh economic environment.

PAPERS PRESENTED

- Baker-Henningham H, Francis T (2018) Challenging Flogging in Jamaican Schools: The Irie Toolkit. Carimensa Global Mental Health Conference. 31st March 2018, Kingston, Jamaica.
- 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.
- Bowers M, Baker-Henningham H (2017) The Irie Classroom Toolbox: Effects on the Quality of the Classroom Environment and Classwide Child Behaviour. 12th Caribbean Child Research Conference, 8th November, 2017. Kingston, Jamaica.
- Francis T, Baker-Henningham H (2017) The Irie Classroom Toolbox: Effects on Teacher Well-Being and Child Mental Health. 12th Caribbean Child Research Conference, 8th November, 2017. Kingston, Jamaica.
- Bennett N, Ferguson T, Younger-Coleman N, Tulloch-Reid M, Walters R, Rousseau A, Williams J, Harding S, Cruickshank JK, Wilks R. Arterial stiffness in relation to birth characteristics in the Jamaican 1986 birth cohort. Poster Presentation at Artery 17 Conference. Abstract Available at: <http://www.arterysociety.org/wp-content/uploads/2017/10/Programme-and-book-of-abstracts-10.10.17.pdf>

- Ferguson TS, Royal-Thomas TY, Chin-Harty L, Thame MM, Forrester TE, Boyne MS, Wilks RJ. Effect of linear growth rate and change in adiposity in childhood and adolescence on blood pressure in Afro-Caribbean youth. Oral presentation at DOHAD Conference October 17, 2017. Rotterdam, The Netherlands. Abstract published in *J Dev Orig Health Dis*. 2017. Vol. 8, Suppl. 1, S187–S188. Available at: <https://doi.org/10.1017/S2040174417000848>
- Packer D, Baker-Henningham H (2017) The Irie Classroom Toolbox: Training early childhood teachers in Classroom Behaviour Management. 12th Caribbean Child Research Conference, 8th November, 2017. Kingston, Jamaica.
- Rennalls P, Baker-Henningham H (2017) The Irie Classroom Toolbox: Effects on Children’s Inhibitory Control. 12th Caribbean Child Research Conference, 8th November, 2017. Kingston, Jamaica.
- Smith JA, Baker-Henningham H, Brentani A, Mugweni R, Walker SP. Implementation of Reach Up early childhood parenting program: acceptability, appropriateness, and feasibility in Brazil and Zimbabwe. The New York Academy of Sciences (December 4–5, 2017)
- Tulloch-Reid MK. AC3 Collaborations in the Caribbean and U. S.Center for Cardiovascular and Cancer Research in the Caribbean. African Caribbean Cancer Consortium Meeting, October 2018; Miami, Florida.
- Tulloch-Reid M, Aiken W, Ferguson T, Bennett N, Harrison L, Badaloo A, McGrowder D, Grindley A, Walker E, Jackson M. Cardiometabolic health in prostate cancer survivors and their controls: Results of the PROSCARE follow-up study. West Indian Medical Journal 2018:67 Supplement 2. Caribbean Public Health Agency. 63rd Annual CARPHA Health Research Conference June 14 16, 2018, St Kitts Marriott Resort and Royal Beach Casino, St Kitts and Nevis.
- Tulloch-Reid K, Younger-Coleman NO, Wilks RJ, Duncan JP, Figueroa JP. Sex Specific Approaches are needed to address hypertension in Jamaica. Presented at the University of Technology Faculty of

Science and Sport's 5th International Scientific Conference, July 19-20, 2018

- Walker S. Reach Up an early childhood parenting program. Technical meeting: Operationalizing Nurturing Care. World Health Organization, Geneva, July 31-August 2, 2017, invited presentation.
- Walker S. Improving outcomes for children who experience linear-growth retardation in the first 1000 days. 2017 Gairdner Global Health Symposium. Sick Kid Centre for Global Child Health, Toronto, October 25, 2017, invited presentation.
- Williams JM, Ferguson TS, Bennett NR, Rousseau A, Walters R, Younger-Coleman NO, Tulloch-Reid MK, Harding S, Cruickshank JK, Wilks RJ. Test-retest reliability for pulse wave velocity and cardio-ankle vascular index among Afro-Caribbean young adults. Poster Presentation at Artery 17 Conference. Abstract Available at: <http://www.arterysociety.org/wp-content/uploads/2017/10/Programme-and-book-of-abstracts-10.10.17.pdf>
- Younger-Coleman N, McFarlane S, Francis D. Overcoming Data Management Challenges Using Stata. Jamaica Statistics Symposium Programme Booklet 2017; Abstract # 19, p.29. (Third Biennial Jamaica Statistics Symposium, Knutsford Court Hotel, October 26-27, 2017.)
- Alexander-Gabbadon, K. 'Sickle Cell Disease & the role of the physiotherapist'. Official sickle cell course lecture to year 5 UWI physical therapy students; November 23, 2017 (Location FMS Building).
- Alexander-Gabbadon, K. 'Management of sickle cell disease in adults'. Presenter at Ministry of Health Annual NCD Reviews Conference; March 8, 2018. (Location Mona Visitor's Lodge)
- Serjeant G, Chin N, Asnani M, Serjeant B, Mason K, Hambleton I, Knight-Madden J. Causes of death and early life determinants of survival in homozygous sickle cell disease: the Jamaican cohort study from birth. Oral presentation at 26th Annual Research Conference

of the Faculty of Medical Sciences, UWI, Mona, Kingston-7, Jamaica. November 9-10, 2017.

- Asnani M, Barton-Gooden A, Grindley M, Knight Madden J. Disease knowledge, illness perceptions and quality of life in adolescents with sickle cell disease: is there a link? Oral presentation at 26th Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona, Kingston 7, Jamaica. November 9-10, 2017.
- Peterseim C, Stewart K, Asnani M, Ngo Bitoungui V, Chetcha C B, Wonkam E T, Clark A, Young N, Desronvil K, Katz M, Williams C, Benson K, Shah N, Babyak M, Wonkam A, Tanabe P, Royal C. A Global Mixed-Methods Study of Provider Attitudes and Practices Regarding Pain Management in Sickle Cell Disease. Poster presentation at Global Health and Innovation Conference. Held at Yale University, Connecticut, USA. April 14-15, 2018.
- Asnani M, Francis D, Knight-Madden J, King L, Chang-Lopez S, and Walker S. Integrating a parenting intervention with routine care to improve psychosocial functioning among parents of children with sickle cell disease. Oral presentation at 63rd CARPHA annual health research conference. Held St. Kitts & Nevis. June 14–16, 2018.
- Chin Nicki. “Causes of Death and Early Life Determinants of Survival in Homozygous Sickle Cell Disease: The Jamaican Cohort Study”. The Faculty of Medical Sciences November 9, 2017.
- Asnani M, Barton-Gooden A, Grindley M, Knight-Madden J. Disease knowledge, illness perceptions and quality of life in adolescents with sickle cell disease: is there a link? Oral Presentation, Faculty of Sciences Annual Research Conference, November 2017, Kingston, Jamaica.
- Knight-Madden J, Nicholson A, Jacobs MR, A Foster A. Pneumococcal carriage, serotype and resistance patterns in persons attending a Caribbean Sickle Cell Unit. Oral Presentation, Faculty of Sciences Annual Research Conference, November 2017, Kingston, Jamaica.
- Serjeant G, Chin N, Asnani M, Serjeant B, Mason K, Hambleton I,

- Knight-Madden J. Causes of death and early life determinants of survival in sickle cell disease: the Jamaican Cohort Study. Oral Presentation, Faculty of Sciences Annual Research Conference, November 2017, Kingston, Jamaica.
- Knight-Madden J. “Sickle Cell Disease: The approach in Jamaica in 2018”. Ophthalmic Society of Jamaica, Oral Presentation, 8th Annual Conference, Kingston, March 9, 2018.
 - Ajanaku A, Mowatt L, Madden-Knight J. Knowledge, beliefs and practices of Sickle Cell Unit (SCU) patients on sickle cell eye disease at The University of the West Indies, Jamaica, Oral Presentation, Faculty of Sciences Annual Research Conference, November 2017, Kingston, Jamaica.
 - Asnani M, Francis D, Knight-Madden J, King L, Chang-Lopez S, and Walker S. Integrating a parenting intervention with routine care to improve psychosocial functioning among parents of children with sickle cell disease. Oral presentation, CARRPHA, June 2018, St Kitts & Nevis.
 - Chavan S, Daya M, Rafaels NM, Levin AM, Boorgula M, Brunetti TM, Shetty A, Gignoux CR, Wojcik G, Johnston R, Burchard EG, Caraballo L, Dunston GM, Faruque MU, Kenny EE, Knight-Madden JM, Meyers DA, Bleecker ER, Ober C, Rotimi C, Wilson JG, Williams LK, Watson H, Qin ZS, Taub MA, Beaty TH, Ruczinski I, Mathias RA, Barnes K, CAAPA consortium. Genome-wide association study of asthma in individuals of mixed African ancestry reveals a novel association with markers on chromosome 2q14. American Society of Human Genetics Conference, Orlando, October 2017.
 - 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”. Pediatric Blood

- & Cancer. American Society of Pediatric Hematology/Oncology (ASPHO) Palais des congress de Montréal Montréal, Canada. April 26–29, 2017. Volume 64 (Issue S1): e26591. Impact Factor: 2.5
- Rankine-Mullings AE. Neurosickle Conference. Emory University, Atlanta, Georgia. Date: March 7th-8th, 2018.
 - Chambers B, Badaloo AV, Reid ME, Brown O, Wilson L. “Association between body composition and physical function in urban Jamaican elderly men and women: Assessing sarcopenia”. 63rd Annual CARPHA Health Research Conference, St. Kitts and Nevis, June 14–16, 2018.
 - McFarlane S. “Safeguarding Data Quality in Large and Small Studies”. The Jamaica Statistical Society – Biennial Symposium, Jamaica, October 2017
 - Badaloo AV. “The Jamaican experience in use of stable isotope technique to explore metabolism in severe acute malnutrition”. 2018 International Conference of Science, Technology and Innovation: Nuclear technology for life. Cuba, March 9, 2018.
 - McFarlane S. “Chemical constituents of the Cannabis Plant” - Training Series for Certification of Pharmacists and Physicians in Prescribing Cannabis, Jamaica
 - Soares-Wynter S. “Nutrient Facts Panel and Front of Package Warning Labels – Jamaica”. Global Expert Advisory Meeting of the Obesity Prevention Program (New York May31–June 1, 2018)
 - Soares-Wynter S. “Nutrition in schools – The school environment & its impact on children’s nutritional status in Jamaica & Barbados”. Global Expert Advisory Meeting of the Obesity Prevention Program (New York May31–June 1, 2018)
 - Soares-Wynter S “Are our children drinking themselves sick?” University Diabetes Outreach Programme (UDOP) Annual Forum, Saint Ann, Jamaica. April 2018
 - Soares-Wynter S. “The Caribbean diet – can it be healthy?” The Heart Foundation “Heart Month” Annual Medical Symposium. Kingston, Jamaica. (February 2018)

- Soares-Wynter S. “Body composition – eating your way to a healthy body”. Dying to be beautiful 3rd Biennial Conference, Kingston, Jamaica December 2017

INVITED LECTURES

- Asnani M. Sickle nephropathy. NIH Sickle Cell in Focus Annual Conference Oct 26–27, 2017. Jamaica Pegasus. Kingston, Jamaica.
- Asnani M. Sickle Cell Disease & Kidney: Recent research in Jamaica. 10th Annual International conference on Nephrology and Hypertension. Kingston, Jamaica. Jan 19–20, 2018.
- Asnani M, Reid ME, Williams-Green P. NIH Research Ethics Workshop. Protecting Human Research Participants. Caribbean College of Family Physicians Jamaica meeting. Kingston, Jamaica. January 21, 2018.
- Asnani M. Managing the adult with SCD. Western Regional Health Authority SCD Workshop. Jamaica. March 29, 2018 and April 30, 2018.
- Asnani M. Systematic Reviews and Meta-analyses. Invited lecture to UWISON Annual Research Internship Programme. June 11, 2018.
- Knight-Madden J. Newborn screening and early childhood care, integration into public health rather than academic settings. Sickle Cell in Focus, National Institutes of Health/CAIHR, Kingston, October 2017.
- Knight-Madden J. Epidemiology of Sickle Cell Disease. Western Regional Health Authority SCD Workshop. Jamaica. March 29, 2018.
- Knight-Madden J. Pediatric Management of Sickle Cell Disease. Western Regional Health Authority SCD Workshop. Jamaica. March 29, 2018.
- Knight-Madden J. Laboratory Diagnosis of Sickle Cell Disease. Western Regional Health Authority SCD Workshop. Jamaica. March 29, 2018.

- Knight-Madden J. Epidemiology of Sickle Cell Disease. Western Regional Health Authority SCD Workshop. Jamaica. April 30, 2018.
- Knight-Madden J. Laboratory Diagnosis of Sickle Cell Disease. Western Regional Health Authority SCD Workshop. Jamaica. April 30, 2018
- McFarlane, S. “Effective Project Planning and Evaluation Workshops” Suriname – November 2017; Malawi – October 2017 (Social Innovations in Health); Guyana – September 2017; Grenada - August 2017

PUBLICATIONS

Refereed Journal Articles

- Tulloch-Reid MK, Saravia NG, Dennis RJ, Jaramillo A, Cuervo LG, Walker SP, Salicrup LA. Strengthening institutional capacity for equitable health research: lessons from Latin America and the Caribbean. *BMJ*. 2018 Jul 16;362:k2456. doi: 10.1136/bmj.k2456. PubMed PMID: 30012634; PubMed Central PMCID: PMC6046649.
- Anderson M, Tulloch-Reid MK. “How am I gonna cope?”: Caregivers of adolescents with diabetes in Jamaica. *Chronic Illn*. 2018 Jan 1:1742395318769373. doi: 10.1177/1742395318769373. [Epub ahead of print] PubMed PMID: 29682997.
- NCD Risk Factor Collaboration (NCD-RisC). Contributions of mean and shape of blood pressure distribution to worldwide trends and variations in raised blood pressure: a pooled analysis of 1018 population-based measurement studies with 88.6 million participants. *Int J Epidemiol*. 2018 Mar 19. doi: 10.1093/ije/dyy016. [Epub ahead of print] PubMed PMID: 29579276; PubMed Central PMCID: PMC6005056.
- Ferguson TS, Younger-Coleman NOM, Tulloch-Reid MK, Bennett NR, Rousseau AE, Knight-Madden JM, Samms-Vaughan ME, Ashley DE, Wilks RJ. Factors associated with elevated blood pressure

- or hypertension in Afro-Caribbean youth: a cross-sectional study. *PeerJ*. 2018 Feb 13;6:e4385. doi: 10.7717/peerj.4385. eCollection 2018. PubMed PMID: 29456896; PubMed Central PMCID: PMC5815333.
- Harris MA, Ferguson TS, Boyne MS, Figueroa JP. High prevalence of dyslipidemia among primary care patients with hypertension and diabetes in Jamaica. *Arch Med Sci Atheroscler Dis*. 2017 Oct 5;2:e61-e67. doi: 10.5114/amsad.2017.70596. eCollection 2017. PubMed PMID: 29242846; PubMed Central PMCID: PMC5728072.
 - 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 Nov; 28(11):1349-1356. doi: 10.1007/s10552-017-0924-9. [Epub 2017 Jul 15.]
 - NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults. *Lancet*. 2017 Dec 16;390(10113):2627-2642. doi: 10.1016/S0140-6736(17)32129-3. Epub 2017 Oct 10. PubMed PMID: 29029897; PubMed Central PMCID: PMC5735219.
 - Anderson M, Tulloch-Reid MK. “You Cannot Cure It, Just Control It”: Jamaican Adolescents Living With Diabetes. *Compr Child Adolesc Nurs*. 2017 Dec 21:1-15. doi: 10.1080/24694193.2017.1411406. [Epub ahead of print] PubMed PMID: 29265943.
 - Dubey B, Jackson MD, Zeigler-Johnson C, Devarajan K, Flores-Obando RE, McFarlane-Anderson N, Tulloch-Reid MK, Aiken W, Kimbro K, Jones DZ, Kidd LR, Ragin C. Inflammation polymorphisms and prostate cancer risk in Jamaican men: Role of obesity/body size. *Gene*. 2017 Dec 15;636:96-102. doi: 10.1016/j.gene.2017.09.016. Epub 2017 Sep 10. PubMed PMID: 28903065; PubMed Central PMCID: PMC5645041.
 - Duncan J, Gordon-Johnson KA, Tulloch-Reid MK, Cunningham-Myrie C, Ernst K, McMorris N, Grant A, Graham M, Chin D,

Webster-Kerr K. Chikungunya: important lessons from the Jamaican experience. *Rev Panam Salud Publica*. 2017 Aug 21;41:e60. PubMed PMID: 28902273.

- Tulloch-Reid MK, McFarlane-Anderson N, Bennett FI, Aiken WD, Jackson MD. Effects of cholesterol, C-reactive protein, and interleukin-6 on prostate cancer risk in a population of African ancestry. *Cancer Causes Control*. 2017 Nov;28(11):1313-1321. doi: 10.1007/s10552-017-0945-4. Epub 2017 Sep 1. PubMed PMID: 28864928.
- Tulloch-Reid MK, Younger-Coleman NO, Wilks RJ, Duncan J, Figueroa JP. Using the HIV Treatment Cascade to Identify Implementation Gaps in Hypertension Management in Jamaica. *West Indian Medical Journal*. DOI:10.7727/wimj.2017.140.
- 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 Nov;26(13):1448-1456. doi: 10.1177/0961203317707828. Epub 2017 May 8. PubMed PMID: 28480787.
- Brown CR, Hambleton I, Hercules SM, Unwin N, Murphy MM, Nigel Harris E, Wilks R, MacLeish M, Sullivan L, Sobers-Grannum N; U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR). Social determinants of prostate cancer in the Caribbean: a systematic review and meta-analysis. *BMC Public Health*. 2018 Jul 20;18(1):900. doi: 10.1186/s12889-018-5696-y. PubMed PMID: 30029628; PubMed Central PMCID: PMC6053791.
- Kanguru L, McCaw-Binns A, Bell J, Yonger-Coleman N, Wilks R, Hussein J. The burden of obesity in women of reproductive age and in pregnancy in a middle-income setting: A population based study from Jamaica. *PLoS One*. 2017 Dec 13;12(12):e0188677. doi: 10.1371/journal.pone.0188677. eCollection 2017. PubMed PMID: 29236710; PubMed Central PMCID: PMC5728527.
- Forsythe-Brown I, Taylor RJ, Chatters LM, Govia IO, Matusko N, Jackson JS. Kinship Support in Jamaican Families in the USA and Jamaica. *J Afr Am Stud (New Brunsw)*. 2017 June 21(2):187–202.

- doi: 10.1007/s12111-017-9355-7. Epub 2017 Mar 29. PubMed PMID: 29038650; PubMed Central PMCID: PMC5639907.
- Needham BL, Hicken MT, Govia IO, Mitchell C, Abdou CM. Maternal Social Disadvantage and Newborn Telomere Length in Archived Dried Blood Spots from the Michigan Neonatal Biobank. *Biodemography Soc Biol.* 2017;63(3):221-235. doi: 10.1080/19485565.2017.1300520. PubMed PMID: 29035107.
 - Smith JA, Baker-Henningham H, Brentani A, Mugweni R, Walker SP. Implementation of Reach Up early childhood parenting program: acceptability, appropriateness, and feasibility in Brazil and Zimbabwe. *Ann N Y Acad Sci.* 2018 May;1419(1):120-140. doi: 10.1111/nyas.13678. PubMed PMID: 29791729.
 - Baker-Henningham H. The Irie Classroom Toolbox: developing a violence prevention, preschool teacher training program using evidence, theory, and practice. *Ann N Y Acad Sci.* 2018 May;1419(1):179-200. doi: 10.1111/nyas.13713. PubMed PMID: 29791740.
 - Baker-Henningham H, Walker S. Effect of transporting an evidence-based, violence prevention intervention to Jamaican preschools on teacher and class-wide child behaviour: a cluster randomised trial. *Glob Ment Health (Camb).* 2018 Feb 19;5:e7. doi: 10.1017/gmh.2017.29. eCollection 2018. PubMed PMID: 29507743; PubMed Central PMCID: PMC5827422.
 - Meade G, Soyibo AK, Lawrence-Wright M, Ferguson T, Thomas I. Chronic Kidney Disease in the Caribbean Island of Antigua: Causes, Morbidity and Mortality Factors. *West Indian Med J.* 2017; 66 (e-Published: Dec 7) DOI: 10.7727/wimj.2017.238
 - Walker SP, Baker-Henningham H, Chang SM, Powell CA, Lopez-Boo F, & Grantham-Mcgregor S. (2017) Implementation of parenting interventions through health services in Jamaica. *Vulnerable Children and Youth Studies*, DOI: 10.1080/17450128.2017.1395100
 - Walker SP, Chang SM, Smith JA, Baker-Henningham H & the Reach Up Team (2018) The Reach Up Early Childhood parenting

program: origins, content and implementation. *Zero to three journal*, 38, 37–43.

- Blake A, Asnani V, Harris J, Leger R, Odesina V, Wagner L, Knight-Madden J, Asnani M. “Stigma and Illness Uncertainty: Adding to the burden of Sickle Cell Disease”. *Hematology* 2018, Vol. 23 (2): 122-130. DOI: 10.1080/10245332.2017.1359898. Published online August 2, 2017.
- Asnani M, Barton-Gooden A, Grindley M, Knight Madden J. “Disease knowledge, illness perceptions and quality of life in adolescents with sickle cell disease: is there a link”? *Global Pediatrics Health*. Nov 2017. Vol 4: 1–10.
- Bulgin D, Tanabe P, Asnani M, Royal C. “Twelve Tips for Teaching a Comprehensive Disease-Focused Course with a Global Perspective: A Sickle Cell Disease Example”. *Medical Teacher*. Published Jan 15, 2018. doi: 10.1080/0142159X.2017.1420151
- Serjeant G, Chin N, Asnani M, Serjeant B, Mason K, Hambleton I, Knight-Madden J. (2018) “Causes of death and early life determinants of survival in homozygous sickle cell disease: the Jamaican cohort study from birth”. *PLoS ONE* 13(3): e0192710. <https://doi.org/10.1371/journal.pone.0192710>. Published March 1, 2018
- Lutchmansingh, F., Hsu, J., Bennett, F., Badaloo, A., McFarlane-Anderson, N., Gordon-Strachan, G., Wright-Pascoe, R., Jahoor, F., Boyne, M. “Glutathione metabolism in Type 2 diabetes and its relationship with microvascular complications and glycemia”. *PloS one* 13(6). <https://doi.org/10.1371/journal.pone.0198626> (Journal Impact Factor = 2.806). (2018)
- Wilson, T., Williams-Johnson, J., Gossell-Williams, M., Goldberg, E., Wilks, R., Dasgupta, S., Gordon-Strachan, G., Williams, E., Levy, P. “Elevated Blood Pressure and Illness Beliefs: A Cross-sectional Study of Emergency Department Patients in Jamaica”. *International Journal of Emergency Medicine* 11(30). <https://doi.org/10.1186/s12245-018-0187-6> (Journal Impact Factor =0.87). (2018)

- Asnani MR, Barton-Gooden A, Grindley M, Knight-Madden J. “Disease Knowledge, Illness Perceptions, and Quality of Life in Adolescents With Sickle Cell Disease: Is There a Link”?
- Serjeant GR, Chin N, Asnani MR, Serjeant BE, Mason KP, Hambleton IR, Knight-Madden JM. “Causes of death and early life determinants of survival in homozygous sickle cell disease: The Jamaican cohort study from birth”. *PLoS One*. 2018 Mar 1;13(3):e0192710.
- Rankine-Mullings AE, Morrison-Levy N, Soares D, Aldred K, King L, Ali S, Knight-Madden JM, Wisdom-Phipps M, Adams RJ, Ware RE, Reid M. Transcranial Doppler velocity among Jamaican children with sickle cell anaemia: determining the significance of haematological values and nutrition. *British Journal of haematology*. 2018;181(2):242-51.
- Morrison-Levy N, Knight-Madden J, Royal-Thomas T, King L, Asnani M. “Improving disease knowledge in 6- to 10-year-olds with sickle cell disease: A quasi-experimental study”. *Child Care Health Dev*. 2018 May;44(3):501-506.
- Lutchmansingh FK, Hsu JW, Bennett FI, Badaloo AV, McFarlane-Anderson N, Gordon-Strachan GM, Wright-Pascoe R, Jahoor F, Boyne MS. .”Glutathione metabolism in patients with type 2 diabetes with and without microvascular complications”. *PLoS One*, 13, 6 (2018): e0198626. <https://doi.org/10.1371/journal.pone.0198626>
- Howell, S., Marshall K, Reid M, McFarlane-Anderson N, McKenzie C. “A Cross-sectional Clinic-based Study Exploring whether Variants within Genes Coding for Enzymes of the Transmethylation and Trans-sulphuration Pathways Are Associated with Inter-individual Phenotypic Variation in Sickle Cell Anaemia in Jamaica”. *West Indian Medical Journal* 66,4 (2017): 510–517
- Howell S, Marshall K, Reid M, McFarlane-Anderson N, McKenzie C. “A Cross-sectional Clinic-based Study Exploring whether Variants within the Glutathione S-transferase, Haptoglobin and Uridine 5'-diphospho-Glucuronosyltransferase 1A1 genes are Associated with

Interindividual Phenotypic Variation in Sickle Cell Anaemia in Jamaica”. *European Journal of Haematology* 100, 2 (2018): 147153

- Wright RJ, Lee KS, Hyacinth HI, Hibbert JM, Reid ME, Wheatley AO, Asemota HN. An Investigation of the Antioxidant Capacity in Extracts from *Moringa oleifera* Plants Grown in Jamaica. *Plants* (Basel, Switzerland). 2017;6(4).

Book chapter:

- Brown DR, Govia IO, Ferguson TS, Boothe MM. “Chronic Disease in the English-speaking Caribbean”. In, *Legacy of the Crossing: Life, death and triumph among descendants of the world’s greatest forced migration*. ICHAD 2012 Conference Proceedings. 2017 July, Diasporic Africa Press.
- Mullings J, Archer C, McCaw-Binns A, Younger-Coleman N, Wilks R. “The Right to the City and the Responsibility of Citizens: Equitable Access to Basic Urban Services and Infrastructure for Health and Social Development in the Small Island Developing State of Jamaica”. In M. Wolfe, ed., *Urban Planning and Renewal, New York*, New York: Nova Science Publishers; 2017; 1–60.
- Alderman H, Behrman JR, Glewwe P, Fernald L, Walker S. “Evidence from interventions at early childhood”. In *Disease Control Priorities* Edition 3, Volume 8 Child and Adolescent Health and Development. Editors DAP Bundy, N de Silva, S Horton, DT Jamison, GC. Patton, World Bank, Washington DC, 2017, Chapter 7 pp 79–98.
- Knight-Madden J, Greenough A. Chapter 62: “The Lung in Sickle Cell Disease”. In: Kendig’s *Disorders of the Respiratory Tract in Children*. 9th Edition. Elsevier 2018:903-909

PUBLIC SERVICE

Trevor Ferguson

- Member of Association of Consultant Physicians Executive (Treasurer)

Ishtar Govia

- Member of Jamaica Mental Health Advocacy Network, Executive Board Member

The Caribbean Institute for Health Research

- Alzheimer’s Associations of the Caribbean, Scientific Committee Co-Chair
- Caribbean Alliance of National Psychological Associations (CANPA), Member-At-Large of the Executive Council
- CANPA Caribbean Regional Conference of Psychology Standing Committee, Co-Chair
- CANPA Publications and Communications Standing Committee, Co-Chair

Susan Walker

- Member of Pan American Health Organization – Advisory Committee on Health Research World Health Organization Technical meeting on Operationalizing Nurturing care July 31–August 2, 2017, presenter and technical expert World Health Organization Improving early childhood development Guideline Development Group. Group Meeting, Geneva, Switzerland, 1–3 May 2018

Rainford Wilks

- Member of: amaica Ministry of Health – Essential National Research Committee
- Heart Foundation of Jamaica (Board Member)

Novie Younger-Coleman

- Member of Jamaica Statistical Society (President)

Monika Asnani

- Member of Term Graduate Faculty Appointment. Duke University Graduate School. 2017–2019
- Co-Chair, Caribbean Primary Care Research group (CAPCRG), Caribbean College of Family Physicians. 2015–Present
- Caribbean Representative to Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH) since 2012.
- Board Member of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia since 2014

- Academic Editor, *Plos One Journal*. July 2014–Present
- Co-Chair. Organizing Committee. Annual NIH Sickle Cell in Focus Conference. Oct 26–27, 2017. Jamaica Pegasus, Kingston, Jamaica.
- Organizing Committee & Chair, Scientific Programme, 7th CCFP Triennial Conference. Family Doctors: Sustaining Lives, Enriching Families & Building a Better Society. Kingston, Jamaica May 4–6, 2018
- Vice President, Indian Cultural Society in Jamaica. June 2017–June 2018
- US Fulbright Scholar Arjan Abar. Supervisor. Sept 2017–June 2018.

Jennifer Knight-Madden

- Member of Sickle Cell Technical Working Group, SickKids Caribbean Initiative 2012–2018, Co-chair.
- Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia 2016–2018, Vice President
- Pediatric Pulmonology 2016–Present, Academic Editor
- Organizing Committee. Annual NIH Sickle Cell in Focus Conference. Oct 26–27, 2017. Jamaica Pegasus, Kingston, Jamaica, Co-Chair
- H3ABioNet 2nd Sickle Cell Disease Ontology Working Group- 3rd Workshop. Cape Town June 2018, Participant.

Rankine-Mullings, Angela

- Member of Executive of the Regional Body of the Women of the Methodist Church of the Caribbean and the Americas.
- Elected Member to the American Society of Haematology. May 18, 2018–present.
- Member of the Royal College of Paediatrics and Child Health. June 2012–present.
- Member of the Medical Council of Jamaica. June 1993–Present.

The Caribbean Institute for Health Research

- Member of the General Medical Council – United Kingdom. October 2002–Present.
- Member of Jamaica Pain Collaborative. Nov 2012–Present.
- Board of Experts Sickle Cell Disease, Panama City, 11th meeting date: November, 2017.
- Medical Services: Lyndhurst Annual Health Fair. 2012–Present. Last held August 12, 2017.

Gordon-Strachan G

- Member of Gordon-Strachan G., Anderson, R. (December 2017), Jamaica Teen Pregnancy Services Directory. Submitted to the Ministry of Health and the United Nations Populations Fund (UNFPA).
- Postgraduate Research and Supervisor for Felicia Bailey, MSc. Biomedical Research: Thesis Title: The Seroprevalence of Chikungunya virus antibodies in newly diagnosed rheumatoid arthritis patients at two rheumatology clinics in Kingston. (Completed)

Asha Badaloo

- Member of Voluntary nutritional consultant at Prema's free medical clinic at 10 Henderson Avenue, Kingston 11, 2006–present.

Carolyn Taylor-Bryan

- Member of Medical Association of Jamaica
- Pediatric Association of Jamaica
- National Infant and Young Child Feeding Committee

Shelly McFarlane

- Member of Treasurer and Charter member – The Jamaica Statistical Society (2013–present)
- Volunteer – Health Promotion Team, Jamaica Special Olympics (2011–present)
- Facilitator- Youth Diabetes Support Group (2010–present)

- Co-Chair Young Children Priority One Committee 2017–2018, Division 23E, Kiwanis International
- Member of the Adjudicating & Organizing Committee, Ministry of Health, 3rd National Health Research Conference
- Member of Organizing Committee, University Diabetes Outreach Programme Annual Conference

Marvin Reid

Member of American Physiological Society (APS)

- American Society of Enteral & Parenteral Nutrition (ASPEN)
- Medical Association of Jamaica (Vice President 2013–2015)
- Caribbean College of Family Physician (Chairman 2012–2014)
- Rotary Club New Kingston
- Research Advisory Committee, Caribbean Public Health Agency

Suzanne Soares-Wynter

- Member of Board of Directors, The Heart Foundation of Jamaica. (June 2018 – current)
- Academy of Nutrition and Dietetics (formerly, American Dietetic Association) – International Member
- Academy of Nutrition and Dietetics - Dietetic Practice Groups (DPG) (Research DPG, Sports, Cardiovascular and Wellness Nutrition DPG, Weight Management DPG and Nutrition Entrepreneurs DPG)
- International Affiliate of the American Academy of Nutrition and Dietetics (IAAND)
- Joint FAO/WHO Food Standards Programme of the Codex Alimentarius Commission – Codex Committee on Fats and Oils (Member)

INCOME GENERATION

New Grants

- Title: This grant is led by Prof Plummer for Department of Surgery and will evaluate the use of faecal immunochemical testing in screening for colon cancer.

Funding Agency: Bass Connections Grant, Duke University

Value: JAD\$3,965,000.00

Principal Investigator: Professor Plummer

Co-Investigator: Trevor Ferguson

Period: January 21, 2018

- Title: Development and evaluation of an integrated early childhood development and violence prevention teacher-training intervention in Jamaican preschools

Funding Agency: MRC/Wellcome Trust/DfID/NIHR Joint Global Health Trials Scheme

Value: £180,852

Principal Investigator: Helen Henningham-Baker

Co-Investigator: Marcos Vera-Hernandez, Susan Walker

Period: 10/2018–12/2019

- Title: Sustainability of benefits from parenting interventions in health centres.

Funding Agency: Inter-American Development Bank

Value: US\$90,000

Principal Investigator: S Walker, S Chang, J Smith, F Lopez-Boo

Period: 2017–2018

- Title: Historical and epidemiological transitions in urban Caribbean Foodscapes: Understanding the past to enhance future healthy eating.

Funding Agency: MRC/AHRC Global Public Health: Partnership Awards Scheme.

Value: £185,735.14

Principal Investigator: Guell

Co-Investigators: Ishtar Govia, Nigel Unwin, Matthew Smith, Karyn Morrissey, Henrice Altink

Period: 3/31/2018–9/31/2019

- Title: STRiDE Strengthening Responses to Dementia in Developing Countries.

Funding Agency: Research Council of the UK Global Challenges Research Fund. Grant number: ES/P010938/1

Value: £7.9 million

Principal Investigator: Martin Knapp

Co-Investigators: Marguerite Schneider, Huseyin Naci, Emily Freeman, David McDaid, Sube Banerjee, Sara Evans-Lacko, Crick Lund, Adelina Comas-Herrera

Lead Investigator Jamaica Ishtar Govia

Period: 1/1/2018–12/31/2021

- Title: Gene Transfer for Patients with Sickle Cell Disease Using a Gamma Globin Lentivirus Vector: An Open Label Phase I/II Pilot Study.

Funding Agency: Cincinnati Children's hospital Medical Centre

Project Investigator: Punam Malik

Site PI: Monika Asnani

Value: US \$70,000

Period: November 2016 (15 years project)

The Caribbean Institute for Health Research

- Title: Project grant, A Double-blind, Randomized, Placebo-controlled, Multicenter Study of GBT440 Administered Orally to Patients with Sickle Cell Disease.

Funding Agency: Global Blood Therapeutics, Inc.

Site PI: Jennifer Knight-Madden

Value: US \$70,000 (estimated)

Period: 2017–2019

- Title: A Prospective Open-Label Pharmacokinetic Study of an Oral Hydroxyurea Solution in Children with Sickle Cell Anaemia.

Funding Agency: Nova Laboratories, Leicester, UK.

Principal Investigator (PI): Angela Rankine-Mullings

Value: US \$260,000.

Period: April 24, 2017–Present

- Title: Expanding Treatment for Existing Neurological Disease (EXTEND). Protocol 4.0 (EXTEND EXTENSION)

Funding Agency: Cincinnati Children's Hospital Medical Center

Co-Investigator: Angela Rankine-Mullings

Value: US \$125,000

Period: February 5, 2018–Present.

- Title: A Phase 3, Double-Blind, Randomized, Placebo-controlled, Multi-centre Study of GBT 440. Administered Orally to Patients with sickle Cell Disease.

Co-investigator: Jennifer Knight-Madden

Source of Funding: Global Blood therapeutics, INC. 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 USA.

Value: US\$ 88,577

Period: March 2018–Present

- Title: Using stable isotope techniques to establish body composition references of healthy children in Latin America and the Caribbean for monitoring and interventions to improve young child nutrition

Principal Investigator: Asha Badaloo

Funding Agency: International Atomic Energy Agency (IAEA)

Contract No: JAM6079

Period of Award: 2018–2021

Value: €34,500.00

- Title: Microelements in Life expectancy and Ageing (MILEAGE)

Funding Agency: European Union

Role: Asha Badaloo

Period of Award: May 2017–April 2021

Value: €144,000.00

- Title: Bioavailability of protein from the common bean (*phaseolus vulgaris*) in Jamaican diets

Funding Agency: IAEA

Contract No: 19284

Principal Investigator: Asha Badaloo

Period of Award: June 2015–May 2020

Value: €50000.00

- Title: Promoting healthy growth in children: Assessing the role of parenting and early life influences on body composition and energy expenditure

Funding Agency: IAEA

Contract No: JAM6013

Principal Investigator: Asha Badaloo

Co-Investigator: Carolyn Taylor-Bryan

The Caribbean Institute for Health Research

Period of Award: September 2015–August 2018

Value: €228000

- 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: International Atomic Energy Agency

Contract No: RLA/6/073

Principal Investigator: Asha Badaloo

Period of Award: September 2014–September 2017

Value: €77727.00

- Title: “Assessment of Risk Factors for Childhood Obesity and the Impact of an Educational Intervention on Infant Feeding, Growth and Body Composition”

Funding Agency: IAEA

Principal Investigator: Carolyn Taylor Bryan

Contract No. 22428/R0

Duration: 2017–2022

Award: €50,000.00

Ongoing Grants

- Title: Jamaica Health and Lifestyle Survey. The major goals of this project are to determine the prevalence of non-communicable diseases in Jamaica and factors that explain the distribution of disease.

Funding Agency: Jamaica Ministry of Health/National Health Fund

Value: US\$690,000.00

Principal Investigator: Rainford Wilks

Period: 3/1/2016–9/30/2018

- Title: Global Diet and Physical Activity Network (GDAR). The goal of GDAR is to support sustainable development and the prevention of NCDs in Low and Middle Income Countries by establishing a research Network that will investigate the determinants of diet and physical activity, develop and evaluate interventions and inform policy P20 CA210294

Funding Agency: NHS National Institute for Health Research (UK)

Value: US\$2,565.254

Principal Investigator: N Wareham

Sub-Grant – CAIHR, Project Investigator: Marshall Tulloch Reid

Period: 5/1/2017–12/01/2021

- Title: Planning for a Sustainable and Robust RCRE in the Caribbean. The major goals of this project are: 1) To perform a multi-sectoral needs assessment and conduct a pilot project that will guide strategic planning for a robust research program; 2) To establish and plan for a sustainable network of shared core facilities and services that will support the planned research program in Jamaica and the Caribbean region; and 3) To strengthen the research capacity in Jamaica through research enhancement activities using existing linkages with research capabilities in the Caribbean region and the US.

Funding Agency: National Institutes of Health (NIH)

Value: US\$400,000 (all years)

Principal Investigator: Ragin/Beck/James/Marshall Tulloch-Reid

Period: 7/1/2017–6/30/2019

- Title: Cardiovascular health in urban poor and middle income communities in Jamaica: Impact of psychological stress, social networks, and social support. The major goal of this grant is to estimate the prevalence of ideal cardiovascular health and its individual components in urban Jamaica and evaluate whether there are significant differences by levels of community socioeconomic status,

psychosocial stress or social support. We will also seek to identify opportunities for interventions to improve cardiovascular health.

Funding Agency: The Bernard Lown Scholars in Cardiovascular Health Program Harvard T.H. Chan School of Public Health

Value: US\$49,998

Principal Investigator: Trevor Ferguson

Period: 11/2016–12/2019

- Title: ‘The Irie Homes Toolbox’: development and evaluation. This grant funds the development of a number of intervention tools that will be used in the home to complement the IRIE classroom intervention.

Funding Agency: Grand Challenges Canada

Value: CDN\$250,000

Principal Investigator: Helen Baker-Henningham

Co-Investigators: Taja Francis, Marsha Bowers

Period: 09/2017–09/ 2019

- Title: The “Irie Classrooms Toolbox”: a cluster randomised trial of a universal violence prevention programme in Jamaican preschools

Funding Agency: MRC/Wellcome Trust/DfID Joint Global Health Trials Scheme

Value: £1.35 million

Principal Investigator: Helen Baker-Henningham

Co-Investigators: Harold Alderman, Marcos Vera-Hernandez, Susan Walker

Period: 10/2014–09/2018

- Title: The gains at age 30 years from the Jamaica Supplementation and Stimulation Study Funding Agency: World Bank Strategic Impact Evaluation Fund

Value: US \$399,491

Investigators: S. Walker, S. Chang, S. Grantham-McGregor, P. Gertler, J Heckman, C. Vermeersch Period: 2016–2018

- Title: Population-Based Indicators of Early Child Development

Funding Agency: Bill and Melinda Gates Foundation

Value: US\$ 492,775

Investigators: S. Walker, M. Black, A Weber, S van Buuren, S. Grantham-McGregor and Global Child Development Group

Period: 2016–2018

- Title: MSc Epidemiology

Income from this year's Cohort of 8 students was approximately \$8.5M before administrative fees and expenses. This fund was also used to hire a lecturer for one year to support its activities.

- Title: Program and Policy Options for Preventing Obesity in the Low, Middle and Transitional Income Countries.

Funding Agency: The University of North Carolina at Chapel Hill/Bloomberg Philanthropies

Value: US\$316,578.00

Principal Investigator: Suzanne Soares-Wynter

Period: 9/1/2017–1/31/2019

STUDENTS

Candida Khan (author M.Sc.) Assessment of nutritional status and physical activity level in persons residing at homes for the elderly in Trinidad.; Main Supervisor Asha Badaloo; awarded 2017

Sarah Insanally (DrPH) "Investigating the determinants of nutritional and cognitive status of young children in Guyana" 2018. Supervisor Susan Walker

Gayle-Ricketts, G. (MSc Nutrition) “A clinical audit on referrals and dietetic management in patients with obesity and other chronic non-communicable diseases in a tertiary care facility” 2017. Supervisor Suzanne Soares-Wynter

Judith McLean-Smith (student; PhD) Breast milk intake, post- natal growth, intermediate cardiovascular risk factors and morbidity in rural Jamaican infants at one year. Supervisor Marvin Reid

Marlan Cole (Student: DrPh) Are food manufactured locally and those imported in compliance with the regulatory standard for the use of Sodium Benzoate as a preservative in Guyana. Supervisor Marvin Reid

Christina Howitt (PhD Epidemiology) “Physical Inactivity and Non-communicable Disease Risk in the Barbadian Population” 2018. Supervisor Nigel Unwin Co-Supervisor Suzanne Soares-Wynter