

# TROPICAL MEDICINE RESEARCH INSTITUTE



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

## PAPERS PRESENTED

- M Grindley, A Barton-Gooden, J Knight-Madden, M Asnani. “Challenges and opportunities for development in youth with chronic diseases: The experience with adolescents with sickle cell disease.” Oral presentation at Caribbean Youth Development Conference, The Sir Arthur Lewis Institute of Social and Economic Studies, UWI held in Kingston, Jamaica. September 30–October 2, 2015.
- M Asnani. “Pregnancy in Sickle Cell Disease/Newborn screening in Jamaica.” Invited lecture to midwives for PROMAC programme: Montego Bay, Jamaica. September 28, 2015, Ocho Rios, Jamaica. October 1, 2015; Medallion Hall Hotel, Kingston, Jamaica. July 11, 2016; Mandeville Hotel, Mandeville, Jamaica. July 13, 2016. At the: 53rd symposium of Jamaica Midwives Association, October 26–30, 2015, held at Jamaica Conference Centre, Kingston, Jamaica;

- **M Asnani.** Sickle Cell Disease: “A Case for the General Practitioner?” Invited Lecture to Family Medicine Faculty, UWI, Mona Campus. December 11, 2015
- **M Asnani.** “Pregnancy in Sickle Cell Disease.” IVth Caribbean Congress on SCD. Held Jamaica Conference Centre, Kingston, Jamaica. January 20–22, 2016
- **M Asnani.** “Sickle Cell Disease & the Kidney.” Invited lecture at Caribbean Institute of Nephrology 8th Annual Conference Kingston, Jamaica. January 29–30, 2016
- **M Asnani.** “Improving Lives? Challenges faced by adolescents with sickle cell disease. Invited lecture to UWI Research Day FMS Signature event.” Held at UWI, Mona Campus. Feb 19, 2016
- **M Asnani.** “Sickle Cell Disease & End Organ Disease.” Invited lecture at Advancement in Medicine Conference 2016. May Pen Hospital, Jamaica. February 22–25, 2016
- **M Asnani.** “Sickle Cell Disease.” Invited LASCO lecture to island wide Pharmacists. Held at Terra Nova Hotel, Kingston, Jamaica. March 13, 2016.
- **M Asnani.** “Sickle Cell Disease in Jamaica.” Invited guest lecturer at Duke University Hematology Case Conference. Held at Duke University, Durham, North Carolina, USA. March 22, 2016.
- **M Asnani.** “Biopsychosocial aspects of Sickle Cell Disease – Jamaican case studies.” Invited guest lecturer at Duke University Course N569/AAAS569/CULANTH569. March 25, 2016.
- **M Asnani.** “Systematic Reviews and Meta-analyses.” Invited lecture to UWISON annual research internship programme. June 16, 2016.
- **M Asnani.** “Pain in Sickle Cell Disease.” Invited Lecture for FMS, UWI Summer Course. July 2, 2016.
- **K Bhatt.** “Screening for complications.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **K Bhatt.** “Approach to Teen Years.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **N Chin.** “Debunking Misconceptions.” 4th Caribbean Conference

on Sickle Cell Disease, Kingston, Jamaica, February 2016.

- **C Gabbadon.** "Immunization and Infection." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **J Harris.** "Leg Ulcers." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **L King.** "HU Approach." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **L King.** "Diagnosing Sickle Cell Disease." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **C. Bodkyn, S. Weitzman, C. Sin Quee, E. Adler, C. Alexis, Z. Ali, U. Allen, J. Bird-Compton, R. Boyle, B. Datta, S. de Young, B. Fleming-Carroll, T. Gibson, S. Gupta, P. Ingram-Martin, M. Kirby-Allen, J Knight-Madden, I. Odame, S. Read, M. Reece-Mills, M. Richards-Dawson, B. Smith, M. Thame, G. Wharfe, V. Blanchette.** "Capacity building through twinning in paediatric oncology: Canada and the Caribbean as a model for success". Oral presentation at the 47th Congress of the International Society of Paediatric Oncology (SIOP), Cape Town, South Africa, October 2015.
- **J Knight-Madden.** "Collaboration: Key to success in resource challenged nations". 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **J Knight-Madden.** "Acute Respiratory Complications in SCD". 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **J Knight-Madden.** "Sickle Cell Disease: A Global Issue- Jamaica, Sickle Cell in Focus", National Institutes of Health, Washington DC, June 2, 2016.
- **J Knight-Madden.** "Newborn Screening "roll-out." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.
- **B Morrison.** "Priapism." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.
- **N Morrison-Levy.** "Painful Crisis & Management." 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.

- **AE Rankine-Mullings.** On behalf of the Extend Team. “EXtend – Expanding Treatment for Existing Neurological Disease.” 4th Caribbean Conference on Sickle Cell Disease “Advances in Clinical Care and Research” January 2016.
- **AE Rankine-Mullings.** “The Quest to Reduce Stroke Risk in Sickle Cell Disease:” A report from a phase III clinical trial (SCATE). National Health Research Conference November, 2015
- **AE Rankine-Mullings.** “Stroke.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.
- **AE Rankine-Mullings,** C Little, M Reid, D Soares, C Taylor-Bryan, J Knight-Madden, SE Stuber, A Badaloo, K Aldred, M Wisdom-Phipps, T Latham, and RE Ware for the EXTEND Investigators. EXpanding Treatment for Existing Neurological Disease (EXTEND): “An open-label phase II clinical trial of hydroxyurea treatment in sickle cell anemia.’ *JMIR Res Protoc* 2016 (Sep 12); 5(3):e185
- LA Chin-Harty, T Royal-Thomas, DS Thompson, C Osmond, TE Forrester, **MS Boyne.** “Role of prenatal factors and postnatal growth on insulin sensitivity and beta-cell function in Afro-Caribbean youth: Vulnerable Windows Cohort Study.” Oral presentation at the Developmental Origins of Health and Disease 9th World Congress, Cape Town, South Africa, 8–11 November 2015. *Journal of Developmental Origins Health and Disease* 2015, 6 (Suppl 2): S12.
- DS Thompson, IA Tennant, D Soares, T Royal-Thomas, CD Byrne, T Forrester TE and **MS Boyne.** “Non-alcoholic fatty liver disease among adult survivors of severe acute malnutrition”. Poster-oral presentation at the Developmental Origins of Health and Disease 9th World Congress, Cape Town, South Africa, 8-11 November 2015. *Journal of Developmental Origins Health and Disease*, 2015 6 (Suppl 2): S118.
- LA Chin-Harty, DS Thompson, C Osmond, DI Phillips, T Royal-Thomas, TE Forrester, **MS Boyne.** “The association between early life factors and cortisol awakening response in adolescents”. Poster presentation at the Endocrine Society 97th Annual Meeting, San Diego, CA, March 4–7, 2015. *Endocrine Reviews*, 2015; 36 (2): SAT-397.

- **T Royal-Thomas**, N Younger-Coleman, J Van den Broeck, D Sinha, D McGee, S McFarlane, D Francis, R J. Wilks. “Correlates of time to sexual debut in 15–19 year olds in the Jamaica Youth Risk and Resiliency Survey 2006: A Survival Analysis.” Oral and poster presentation at the Joint Statistical Meetings 2016, Chicago, U.S.A. (Also presented at the TMRI seminar on May 30, 2016).
- **T Royal-Thomas**, D McGee, “Principal Component Scores in predicting Cardiovascular Health.” Oral presentation at the Joint Statistical Meetings, August 2015, in Seattle, Washington.
- **T Royal-Thomas**, N Younger-Coleman, T Forrester, R Cooper, R Wilks. “Predicting Cardiovascular Risk using Principal Component and Factor Analyses.” Oral presentation at the Jamaica Statistical Pre-conference workshop & Symposium, October 29–30, 2015. Mona Visitors’ Lodge, UWI, Mona Campus. (Won the award for best oral presentation).
- **C Walters**, N Younger-Coleman, T Royal-Thomas, C Cunningham-Myrie C, R. Wilks. Cluster Effects in Fasting Blood Glucose from the Jamaica Healthy Lifestyle Survey II. Oral presentation at the Jamaica Statistical Pre-conference workshop & Symposium, October 29–30, 2015. Mona Visitors’ Lodge, UWI, Mona Campus.
- K. Pate-Robinson, T. Thompson, T. Clarke, **T. Ferguson**. The Chikungunya Outbreak in Jamaica: Clinical Features and Outcomes of Patients Seen at an Urban Hospital in September 2014. ID Week 2015. San Diego, California.
- K Maloney, **T Ferguson**, K De Ceulaer . Clinical and Immunological Characteristics of 150 Systemic Lupus Erythematosus Patients in Urban Jamaica. American College of Rheumatology Annual Meeting 2015. San Francisco, USA.
- KC Maloney, **TS Ferguson**, K De Ceulaer, HD Stewart. Patterns of medication use among patients with systemic lupus erythematosus in urban Jamaica: relationship with disease activity and organ damage. Faculty of Medical Sciences (UWI) 24th Annual Research Conference; 2015, Kingston Jamaica.

## INVITED LECTURES

- **M. Boyne.** “Early childhood malnutrition and glucose dysregulation in West Indian adults”. American Diabetes Association 75th Scientific Sessions, Symposium on “Global Challenges and Disparities in Diabetes,” June 5, 2015, Boston, MA.
- **T. Ferguson.** “Cardiovascular Disease Risk Reduction in Older Adults with Diabetes & Hypertension”. Medical Association of Jamaica Symposium; Kingston Jamaica, June 2-5, 2016
- **T. Ferguson.** “Early Life Determinants of Blood Pressure: Potential Targets for Preventing Hypertension”. Advancement in Medicine and Health Care Conference; May Pen, Jamaica, February 23, 2016
- **T. Ferguson.** “Early Life Factors and Renal Function in Afro-Caribbean Young Adults”. Caribbean Institute of Nephrology, 8th Annual International Conference On Nephrology and Hypertension, January 29-30,2016, Kingston, Jamaica

## PUBLICATIONS

### Books:

- **K Aldred, M Asnani M, M Beckford, K Bhatt-Polouse, N Chin, C Daley, M Grindley, C Hammond-Gabbadon, J Harris , L King, J Knight-Madden, M MooSang, W Madden, H Martin H, B Morrison, N Morrison-Levy, AE Rankine-Mullings AE + et al.,** eds. *Sickle Cell Disease: “The Clinical Care Guidelines of the Sickle Cell Unit.* Ed. By Susanna Bortolusso Ali. Kingston, Sickle Cell Unit: University of the West Indies, 2015. (188 pages).

### Chapters in Books:

- **KAD Morgan, N Smith, RC Gibson, WD Abel, M Parshad-Asnani, M Reid, KN O’Garro, CL Edwards.** “Pain, Sexual Activity and Partner Support in Jamaicans with Sickle Cell Disease.” In *Sickle Cell Disease: Genetics, Management and Prognosis.* Nova Science Publishers, 2015, 103.

- **A Rankine-Mullings, S Ali.** “Neurological Events in Sickle Cell Disease/Transcranial Doppler Studies.” in the *Clinical Care Guidelines of the Sickle Cell Unit* Ed. by Susanna Bortolusso Ali. 2nd edition 2015. Kingston: Sickle Cell Unit, University of the West Indies. 188 pages.
- **M MooSang, AE Rankine-Mullings, L King, S Ali.** “Hydroxyurea Guidelines.” *The Clinical Care Guidelines of the Sickle Cell Unit*. Editor Susanna Bortolusso Ali. 2nd edition 2015. Kingston, Jamaica: Sickle Cell Unit, University of the West Indies.
- **J. Knight-Madden, T Murphy.** “The Lungs in Sickle Cell Disease”. In *Kendig’s Disorders of the Respiratory Tract in Children* Ed. by V Chernick, TF Boat, RW Wilmott, A Bush. 7th Edition. Elsevier, 2006: 992-996.
- **JM Knight-Madden, AE Rankine-Mullings.** “Respiratory Issues in Sickle Cell Disease.” In *The Clinical Care Guidelines of the Sickle Cell Unit* Ed. By Susanna Bortolusso Ali. 2nd edition. Kingston, Jamaica: Sickle Cell Unit, University of the West Indies. 2015 (188 pages).

#### Refereed Journal Articles

- **M Asnani, M Reid.** “Renal function in Adult Jamaicans with Homozygous Sickle Cell Disease.” *Hematology* 20, 7 (2015): 422-428.
- **M Asnani, M Anderson.** “The white blood cell always eats the red: What Jamaicans with sickle cell disease know about their illness.” *Ethnicity & Health* 21, 2 (2016): 103-117
- **G Mansingh, K Osei-Bryson, M Asnani.** “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.
- **M Asnani, A Barton-Gooden, M Grindley, J Knight-Madden.** “Assessing performance characteristics of the PedsQ1™-SCD and IPQ-R scales in Jamaican adolescents with sickle cell disease. Vulnerable Children and Youth Studies: An International

- Interdisciplinary”. *Journal for Research, Policy and Care*. 11, 1 (2016). DOI: 10.1080/17450128.2016.1139222.
- **M Asnani, G Serjeant, 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.
  - **K Bhatt-Poulose, K James, M Reid, A Harrison, M Asnani.** “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].
  - **M Asnani, A Barton-Gooden, M Grindley, J Knight-Madden.** “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
  - **N Mulder, V Nembaware, A Adekile, KA Anie, B Inusa B, B Brown, A Campbell, F Chinenere, C Chunda-Liyoka, VK Derebail, A Gear, K Ghedira, CM Hamilton, NA Hanchard, M Haendel, W Huggins, M Ibrahim, S Jupp, KK Kamga, J Knight-Madden, P Lopez-Sall, M Mbiyavanga, D Munube, D Nirenberg, O Nnodu, SF Ofori-Acquah, K Ohene-Frempong, KB Opap, S Panji, M Park, G Pule, C Royal, R Sangeda, B Tayo, M Treadwell, L Tshilolo, A Wonkam.** “Proceedings of a Sickle Cell Disease Ontology workshop - Towards the first comprehensive ontology for Sickle Cell Disease”. *Applied and Translational Genomics* 9 (2016): 23-26
  - **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.
  - **AE Rankine-Mullings, ME Reid, M Moo Sang, MA Richards-Dawson, JM Knight Madden.** “A Retrospective Analysis of the Significance of Haemoglobin SS and SC in Disease Outcome in Patients with Sickle Cell Disease and Dengue Fever.” *EBioMedicine*. 2, 8 (2015):937-941. doi:10.1016/j.ebiom.2015.07.002.

- **LG King**, Bortolusso-Ali S, Cunningham-Myrie CA, **ME Reid**. Impact of a Comprehensive Sickle Cell Center on Early Childhood Mortality in a Developing Country: The Jamaican Experience. *J Pediatr*. 2015; 167(3):702-5 e1.
- CP Campbell, D Raubenheimer, **AV Badaloo**, PD Gluckman, C Martinez, A Gosby, SJ Simpson, Osmond C, **MS Boyne**, TE Forrester. “Developmental contributions to macronutrient selection and appetite control: A randomized controlled trial in adult survivors of kwashiorkor and marasmus”. *Evolution, Medicine and Public Health*. 2016, 1 (2016):158-169.
- **TS Ferguson**, **MK Tulloch-Reid**, **NO Younger-Coleman**, RA Wright-Pascoe, **MS Boyne**, AK Soyibo, **RJ Wilks**. “Prevalence of Chronic Kidney Disease among Patients Attending a Specialist Diabetes Clinic in Jamaica”. *West Indian Medical Journal*, 64,3 (2015): 201-208
- PS Bahado-Singh, AO Wheatley, AU Osagie, **MS Boyne**, EYS Morrison, MH Ahmad, HN Asemota. “Low to intermediate-glycemic-index Caribbean foods reduces glycemia, cardiovascular and inflammatory markers in overweight persons with type 2 diabetes”. *Current Research in Nutrition and Food Science*. 3, 1 (2015): 36-45.
- **DS Thompson**, **TS Ferguson**, M Samms-Vaughan, **RJ Wilks**, DI Phillips, C Osmond, TE Forrester, **MS Boyne**. “Birth size is associated with nocturnal cortisol and glucose effectiveness in Afro-Caribbean adults”. *Clinical Endocrinology* (Oxford).82,3 (2015): 352-358
- **J Knight-Madden**, M Romana, R Villaescusa, et al. CAREST-Caribbean Network of Researchers on Sickle cell disease and Thalassemia: a model for multilingual regional integration for health promotion and research. *American Journal of Public Health* 106, 5 (2016):851-853.
- **TS Ferguson**, **DK Francis**, **SR McFarlane**,**MK Tulloch-Reid**, **RJ Wilks**, **NO Younger-Coleman**, NCD Risk Factor Collaboration. “Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331 288 participants”. *The Lancet Diabetes & Endocrinology*,

3,8 (2015):624-637. DOI: 10.1016/S2213-8587(15)00129-1.

- **D Francis, N Bennett, TS Ferguson, A Hennis, R Wilks, E Harris, M MacLeish, L Sullivan**, On behalf of the U.S. Caribbean Alliance for Health Disparities Research Group. “Disparities in cardiovascular disease among Caribbean populations: a systematic literature review”. *BMC Public Health*. 15, 1 (2015):828.
- **A. Bidulescu, D Francis, T Ferguson, N Bennett, A Hennis, R Wilks, E Harris, M MacLeish, L Sullivan**, U.S. Caribbean Alliance for Health Disparities Research Group. “Disparities in hypertension among black Caribbean populations: a scoping review by the U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR)”. *International Journal for Equity in Health* 2015, 14, 1 (2015):125.
- **IR Hambleton, C Howitt, S Jeyaseelan, MM Murphy, AJ Hennis, R Wilks, EN Harris, M MacLeish, L Sullivan**, U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR): “Trends in Longevity in the Americas: Disparities in Life Expectancy in Women and Men, 1965-2010”. *PLoS ONE*, 10,6 (2015):e0129778. (**Ferguson TS** – member of U.S. Caribbean Alliance for Health Disparities Research Group [USCAHDR]).
- **MA Harris, N Younger-Coleman, TS Ferguson, JP Figueroa**. “Audit and feedback to improve the management of dyslipidemia in primary care in Jamaica: A randomized controlled trial”. *Global Journal of Medicine & Public Health*. 5,1(2015). Available at: [www.gjmedph.org](http://www.gjmedph.org)
- **NCD Risk Factor Collaboration (NCD-RisC)**. “Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants”. *The Lancet*. 387,10026 (2016):1377-1396 (**TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
- **NCD Risk Factor Collaboration**. “Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants”. *The Lancet*. 387, 10027 (2016):1513-1530. (**TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-**

- Reid, RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
- IR Hambleton, C Howitt, S Jeyaseelan, MM Murphy, AJ Hennis, **R Wilks**, EN Harris, M MacLeish, L Sullivan, U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR): “Trends in Longevity in the Americas: Disparities in Life Expectancy in Women and Men, 1965-2010”. *PloS One*, 10,6 (2015) :e0129778. (TS Ferguson – member of U.S. Caribbean Alliance for Health Disparities Research Group [USCAHDR]).
  - NCD Risk Factor Collaboration (NCD-RisC). “Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants”. *The Lancet*. 387,10026 (2016):1377-96 (TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, **RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
  - NCD Risk Factor Collaboration. “Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants”. *The Lancet*. 2016; 387, 10027 (2016):1513-30. (TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, **RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
  - NCD Risk Factor Collaboration. A century of trends in adult human height. *eLife*. 5: e13410 (2016). Available at DOI: <http://dx.doi.org/10.7554/eLife.13410> (TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, **RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
  - AE Sumner, MT Duong, PC Aldana, M Ricks, **MK Tulloch-Reid, JN Lozier, ST Chung, DB Sacks**. “A1C Combined With Glycated Albumin Improves Detection of Prediabetes in Africans: The Africans in America Study”. *Diabetes Care*. 39, 2 (2016):271-7. doi: 10.2337/dc15-1699. Epub 2015 Dec 17. *PubMed PMID*: 26681716; *PubMed Central* PMCID: PMC4876771.
  - CA Cunningham-Myrie, KP Theall, **NO Younger**, EA Mabile, **MK Tulloch-Reid, DK Francis, SR McFarlane, GM Gordon-Strachan**,

- RJ Wilks.** “Associations between neighborhood effects and physical activity, obesity, and diabetes: The Jamaica Health and Lifestyle Survey 2008”. *Journal of Clinical Epidemiology*. 68, 9 (2015):970-978. doi:10.1016/j.jclinepi.2014.08.004. Epub 2015 Apr 22. *PubMed PMID*: 25910912.
- **RJ Wilks.** “Epidemiology is an important contributor to clinical and public health practice in the Caribbean”. *Journal of Clinical Epidemiology*. 68, 9 (2015):1101-1104.
  - **MK Tulloch-Reid.** “The University of the West Indies Clinical Epidemiology Unit: collaborating to improve health”. *Journal of Clinical Epidemiology*. 68, 9 (2015):1099–1100. doi: 10.1016/j.jclinepi.2015.104.012.
  - R. Melbourne-Chambers, D Clarke, G Gordon-Strachan, J Tapper, **MK Tulloch-Reid.** “The UWIMONA Pediatric Epileptic Seizure Screening Questionnaire was equivalent to clinical assessment in identifying children with epilepsy”. *Journal of Clinical Epidemiology* 68, 9 (2015):988-993. doi: 10.1016/j.jclinepi.2014.10.014.
  - AO Abdulkadri, **MK Tulloch-Reid**, DK Francis, GM Gordon-Strachan, **NO Younger-Coleman**, KD Rocke, **SR McFarlane**, CA Cunningham-Myrie, **TS Ferguson**, **RJ Wilks**, SG Anderson. “WHO/ISH total risk approach for primary prevention of cardiovascular disease shows greater decrease in costs for women but not the elderly in Jamaica”. *Journal of Clinical Epidemiology* 68, 9 (2015):994-1001. doi:10.1016/j.jclinepi.2014.11.027.
  - **TS Ferguson**, **NO Younger-Coleman**, **MK Tulloch-Reid**, **JM Knight-Madden**, **NR Bennett**, M Samms-Vaughan, D Ashley, A McCaw-Binns, OR Molaodi, JK Cruickshank, S Harding, **RJ Wilks.** “Birth weight and maternal socioeconomic circumstances were inversely related to systolic blood pressure among Afro-Caribbean young adults”. *Journal of Clinical Epidemiology* 68, 9 (2015):1002-1009.
  - JP Duncan, P Weir, S Strachan, **MK Tulloch-Reid.** “Opportunities for reducing morbidity and mortality due to leading cancers in a developing country”. *Journal of Public Health (Oxford)* 37, 4(2015):688-690.

- **SM Chang, SM Grantham-McGregor, CA Powell, M Vera-Hernández, F Lopez-Boo, H Baker-Henningham, SP Walker.** “Integrating a Parenting Intervention with Routine Primary Health Care: A Cluster Randomized Trial”. *Pediatrics*. 136, 2(2015):272-280. 10.1542/peds.2015-0119.
- **SP Walker, CA Powell, SM Chang, H Baker Henningham, SM Grantham McGregor, M Vera Hernández, F Lopez Boo.** “Delivering parenting interventions through health services in the Caribbean: Impact, acceptability and costs”. *InterAmerican Development Bank Working Series (Social Sector, Social Protection and Health Division)*. (2015)
- **KK Lacey, DM Mouzon, IO Govia, N Matusko, I Forsythe-Brown, JM Abelson, JS Jackson.** “Substance Abuse among Blacks across the Diaspora. *Substance Use & Misuse*. 51, 9 (2016):1147-1158.
- **BF Morrison, W Aiken, R Mayhew, Y Gordon, M Reid.** Prostate Cancer Screening in Jamaica: Results of the Largest National Screening Clinic. *Journal of Cancer Epidemiology*. 2016 (2016):2606805.
- **C Cunningham-Myrie, A Abdulkadri, A Waugh, S Bortolusso Ali, LG King, J Knight-Madden, M Reid.** Hydroxyurea use in prevention of stroke recurrence in children with sickle cell disease in a developing country: A cost effectiveness analysis. *Pediatric Blood & Cancer*. 62, 10 (2015):1862-1864.
- **GB Ehret, T Ferreira, CA McKenzie 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.
- **EM van Leeuwen, A Sabo, CA McKenzie 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.
- **Y Lu, FR Day, CA McKenzie et al.** New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications* 7:10495 (2016).
- **CC Kao, JW Hsu, P Dwarkanath, JM Karnes, TM Baker, KM**

Bohren, A **Badaloo**, MM Thame, AV Kurpad, F Jahoor. Indian women of childbearing age do not metabolically conserve arginine as do American and Jamaican women. *The Journal of Nutrition*. 145,5 (2015):884-892

### **Technical Reports**

- C. Cunningham-Myrie, T **Royal-Thomas** and M **Reid**. Assessing Use of the Papine Park in St. Andrew, Jamaica using The System for Observing Play and Recreation in Communities (SOPARC): Baseline study for the Papine University Town project. The University of the West Indies, Mona, November 2015.
- C Cunningham-Myrie, T **Royal-Thomas** and M **Reid**. Assessing Use of the Emancipation Park in St. Andrew, Jamaica using The System for Observing Play and Recreation in Communities (SOPARC). The University of the West Indies, Mona, May 2016.

### **INCOME GENERATION**

#### **Monika Asnani**

1. Title: **Integrative global research on sickle cell disease.**  
Funding Agency: Bass Connections Grant, Duke University  
Value: US\$22,500  
Co-Investigator: Monika Asnani  
Period: July 1, 2014-June 30, 2015. Renewed for July 1, 2015-June 30, 2016 with a grant of US\$22,500
2. Title: **'CIJA Study'. Chronic Illness in Jamaican Adolescents.**  
Funding Agency: UNICEF Grant  
Co-Investigator: Monica Asnani  
Value: US\$ 35,000  
Period: August 1, 2014

3. Title: **Integrating a parenting intervention with routine care to improve parental psychosocial functioning and early developmental outcomes in children with sickle cell disease.**

Funding Agency: Grand Challenges Saving Brains grant

Co-Investigator: Monika Asnani

Value: CDN \$178,000

Period: October 1, 2014–October 2016

### Jennifer Knight-Madden

1. Title: **A Phase II, Multicenter, Randomized, Placebo-Controlled, Double-Blind, 12-Month Study to Assess Safety and Efficacy of SelG1 With or Without Hydroxyurea Therapy in Sickle Cell Disease Patients with Sickle Cell-Related Pain Crises (SUSTAIN)**

Funding Agency: Selexys Pharmaceuticals

Value: USD\$70,000 (estimated)

Period: 2014–2016

2. Title: **Decreasing preventable childhood mortality due to sickle cell disease in Jamaica (MDG4)**

Funding Agency: National Health Fund

Value: J\$10,000,000

3. Title: **Integrating a parenting intervention with routine care to improve early developmental outcomes in children with sickle cell disease and decrease maternal stress.**

Funding Agency: Grand Challenges Canada

Value: C\$178,101

4. Title: **Brazil, Jamaica, PAHO**

Funding Agency: Ministry of Health, Brazil through PAHO

Value: USD\$200,000

Period: 2014–2016

**Angela Rankine-Mullings**

1. Title: **New Initiative Grant for the project, “A cost benefit analysis of early interventions in sickle cell disease”**

Value: \$1.5 million (Jamaican currency)

Period: August 2014

Asha Badaloo

2. Title: **Bioavailability of proteins from plant based diets.**

Funding Agency: IAEA

Contract No: 19284

Role: Principal Investigator

Period of Award: Sep 2015–Sep 2020

Amount per year: 10,000.00 Euro

3. 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

Role: Principal Investigator

Period of Award: Sep 2014–Sep 2017

Amount: 65,769 Euro

**Marvin Reid**

1. 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 anemia and a conditional or abnormal pre-treatment TCD velocity.**

Funding Agency: Cincinnati Children’s Hospital Medical Center

Value: USD\$86,491 annually

Period: 2014–2016

## **PUBLIC SERVICE**

### **Monika Asnani**

- 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
- Conference Chairperson. IVth Caribbean Congress on SCD. Held at Jamaica Conference Centre, Kingston, Jamaica. January 20–22, 2016
- Academic Editor, Plos One Journal. July 2014–Present

### **Angela Rankine-Mullings**

- Member of Jamaica Pain Collaborative – November 2012–Present

### **Jennifer Knight Madden**

- Ministry of Health Sickle Cell Technical Working Group 2014-current.
- Ministry of Health Asthma Technical Working Group 2015-current
- Sickkids Caribbean Initiative – Co-chair Sickle Cell Disease Working Group
- Search & Selection Committee- President of the University of Technology 2015–2016

### **Tamika Royal-Thomas**

- Elected First Vice President for the Jamaica Statistical Society for the period 2016–2018.
- Judge for the National Health Research Conference put on by the Ministry of Health, November 2015 – judged oral and poster presentations and chose prize winners for the best oral and poster presentations.

- Chair of Scientific Committee & Planning committee member – Jamaica Statistical Symposium & Pre-conference workshop, October 2015.

**Michael Boyne**

- First Vice-President, Association of Consultant Physicians of Jamaica
- Member, Board of Diabetes Association of Jamaica
- Member, Council of the Developmental Origins of Health and Disease (DOHAD)
- Reviewer for the following medical journals:

*Journal of DOHAD*

*Journal of Clinical Endocrinology Metabolism*

*Diabetes Care*

*West Indian Medical Journal*

*Diabetology & Metabolic Syndrome*

*Journal of Pediatrics*

*Endocrine*

*PlosOne*

*Experimental Biology and Medicine*

- Member, National Health Fund Expert Panel of Physicians
- Appointed as a Fellow of the Royal College of Physicians London
- Panel Advisor, PAHO/WHO/CHRC Technical working group on the guidelines for the management of diabetes for the Caribbean, 2013-2015
- Resource person to deliver endocrinology lectures and present conduct workshops for:

Medical Association of Jamaica

University Diabetes Outreach Programme

Caribbean College of Family Physicians

## Tropical Medicine Research Institute

Pharmacy Society of Jamaica

Association of General Practitioners of Jamaica

### **Marshall Tulloch-Reid**

- Jamaica Ministry of Health - Chickungynya Research Committee
- Caribbean Endocrine Society- Immediate Past President
- Support group for children with diabetes and their families

### **Shelly McFarlane**

- Research Day Committee
- Jamaica Statistical Society- Treasurer
- Member of Kiwanis Club
- Support group for children with diabetes and their families

### **Damian Francis**

- Committee of Professions Supplemental to Health
- Research Day Committee
- Jamaica Association of Professionals in Nutrition and Dietetics (JAPINAD) Executive

### **Rainford Wilks**

- Healthy Caribbean Coalition
- Heart Foundation of Jamaica
- Chairman, Gibson-McCook Relays
- Essential National Research Committee

### **Susan Chang-Lopez**

- Early Childhood Commission

### **Novie Younger-Coleman**

- Jamaica Statistical Society (Vice President)

**Trevor Ferguson**

- Association of Consultant Physicians Executive – Treasurer

**Marvin Reid**

- – Caribbean College of Family Physician – President elect

**STUDENTS**

Dr. Nadia Bennett was awarded a Wellcome Trust Training Fellowship.

Dr. Shelly McFarlane successfully defended her PhD Epidemiology programme.