



# The Epidemiological Transition

07-08 July 2016

Intercontinental Hotel, Nairobi



The African  
Academy of Sciences

Thursday 07 July

08:00 Morning refreshments and registration

08:30 Welcome and opening remarks Professor Berhanu Abegaz AAS, Professor Sarah Rowland –Jones RSTMH

Session 1 Chair: Professor Kevin Marsh

08:45 ***Shifting the centre of gravity for health research in Africa***  
Dr Thomas Kariuki, African Academy of Sciences

09:15 ***No health without mental health***  
Dr Dixon Chibanda, University of Zimbabwe

09:45 Presentations from submitted abstracts

***Outcomes of full-term new-borns admitted with low APGAR score or signs of hypoxic ischaemic encephalopathy at KCMC Hospital, Tanzania***  
Dr Hipolite Thomas, Kilimanjaro Christian Medical Centre, Tanzania

***Causes of death at a University Hospital In Ghana: A 37 Year Review (1979- 2015)***  
Dr Gloria Ansa, University of Ghana

***Reduced plasma concentrations of vitamin B6 and increased plasma concentrations of the neurotoxin 3-hydroxykynurenine are associated with nodding syndrome: a case control study in Gulu and Amuru districts, Northern Uganda***  
Mr James Henry Obol, Gulu University, Uganda

***Sanitation, hygiene and child health in informal settlements of Kisumu, Kenya***  
Ms Damaris Nelima, Great Lakes University of Kisumu, Kenya

10:45 Coffee break

Session 2 Chair Dr Samson Kinyanjui

11:15 ***Poster presentations***

13:15 Lunch



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## Session 3 Chair: Dr Francisca Mutapi

- 15:15 ***Global health science in Africa: conducting research in the field, at the bedside and at the bench***  
Dr Tariro Makadzange, University of Zimbabwe
- 15:45 **Pregnancy disorders in Africa and the obstetric dilemma**  
Dr Annetee Nakimuli Department of Obstetrics and Gynaecology at Makerere
- 16:15 **Presentations from submitted abstracts**
- Gestational diabetes mellitus and BMI status among women attending prenatal care at Korle-Bu Teaching Hospital, Accra, Ghana***  
Dr Mary Amoakoh-Coleman, University of Ghana
- Acceptability of Option B+ (lifelong treatment) among HiV-positive pregnant and lactating women in selected sites in Kenya***  
Dr Job Mogire, Queen Margaret University, UK
- Phylogenetic and demographic characterisation of HIV-1 transmission networks in a general population cohort in Uganda***  
Dr Deogratius Ssemwanga, MRC/UVRI Uganda
- Childhood malnutrition and its risk factors in Kenya's diverse livelihood zones***  
Dr Rosie Crane, KEMRI-Wellcome Trust Research Programme, Kenya
- 17:15 **Drinks Reception**



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Friday 08 July

## Session 1 Chair: Professor Alison Elliot

- 08:30 ***Measuring the changing malaria burden in Africa: challenges and the way forward***  
Professor Abdisalan Noor, KEMRI Kenya
- 09:00 ***Emerging viruses in Africa in a context of health transition***  
Dr Amadou Sall, Institut Pasteur de Dakar, Senegal
- 09:30 **Presentations from submitted abstracts**
- Effective risk communication and contact tracing for Ebola Virus disease prevention and control: experiences from Port Harcourt, Nigeria***  
Dr Omosivie Maduka, University of Port Harcourt, Nigeria
- Spatio-temporal dynamics of 2009 influenza A/H1N1 pandemic virus in Africa 2009-2014***  
Mr Fredrick Nindo, University of Cape Town, South Africa
- Application of geographically weighted regression analysis to assess risk factors for malaria hotspots in Keur Soce health and demographic surveillance site***  
Dr Mansour Ndiath, University of Dakar, Senegal
- A randomised trial of the safety of low-dose primaquine in the treatment of G6PD normal and deficient adult patients with Plasmodium falciparum malaria in Senegal***  
Dr Roger Tine, University of Dakar, Senegal

10:30 **Coffee break**

## Session 2 Chair Professor Sarah Rowland Jones

- 11:00 ***Life without worm infections***  
Professor Alison Elliot, MRC / UVRI Uganda
- 11:30 ***Human schistosomiasis in the post mass drug administration era***  
Dr Francesca Mutapi, University of Edinburgh
- 12:00 **Presentations from submitted abstracts**
- Effects of twelve rounds of mass drug administration with albendazole and ivermectin on lymphatic filariasis transmission in Rufiji District, Tanzania***  
Ms Clarer Jones, Muhimbili University of Health and Allied Sciences, Tanzania



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***Epidemiological transition: adult population as a source of human schistosomiasis infection to treated school children in post mass drug administration era in sub-Saharan Africa***

Dr Humphrey Mazigo, Catholic University of Health and Allied Sciences, Tanzania

***Allergic sensitisation and the challenges of asthma management among children in Uganda***

Dr Harriet Mpairwe, MRC/UVRI Uganda

***Allergy-related events among children from a tropical birth cohort in Entebbe, Uganda***

Dr Swaib Lule, MRC-UVRI, Uganda

13:00      **Lunch**

**Session 3 Chair: Dr John Reeder**

14:30      ***The NCD epidemic in Africa: a metabolic legacy of early under-nutrition?***

Professor Moffat Nyirenda, University of Malawi

15:00      ***Leveraging advances in health informatics to support clinical research and improve services***

Professor Mike English, KEMRI Kenya

15:30      **Presentations from submitted abstracts**

***Non-communicable diseases and health systems in sub-Saharan Africa: challenges to sustainable development***

Mr Blaise Ntacyabukura, University of Rwanda

***Migration and cardiovascular disease risk among Ghanaian populations in Europe: the RODAM study***

Mr Daniel Boateng, Kwame Nkrumah University of Science and Technology, Ghana

***Relationships between structure, process and outcome to assess quality of integrated chronic disease management in a rural South African setting: applying a structural equation model***

Dr Soter Ameh, University of the Witwatersrand, South Africa

***Hypertension and cardiovascular risk factors in the Kiang West Longitudinal Population Study cohort in The Gambia: a focus on children and adolescents***

Dr Modou Jobe, MRC Unit, The Gambia



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16:30 **Presentation of prizes**

17:00 **Close**