

# Research in Progress

## Wednesday 1 December

- 09:15 **Arrival and morning refreshments**
- 09:30 **Welcome and opening remarks**
- 09:45 Geospatial analysis to reduce spatial inequalities in health; reaching the farthest behind, first  
**Peter Macharia**, *Emerging Leader Award recipient 2021*
- 10:30 The use of WHONET and SaTScan for Antimicrobial Resistance surveillance in Pakistan: A One Health perspective.  
**Aahil Damani**, *London School of Hygiene and Tropical Medicine.*
- 10:45 Operationalizing a framework for strengthening neglected tropical diseases surveillance: a scoping review of conceptual frameworks.  
**Arthur Kipkemoi Saitabau Ng'etich**, *Moi University.*
- 11:00 Determining the Diagnostic Gap for Yaws  
**Rebecca Handley**, *London School of Hygiene and Tropical Medicine.*
- 11:15 **Morning refreshments and poster viewing**
- 11:45 The association of vascular risk factors with cognitive impairment in ART-treated HIV-positive adults aged 50 years or older in Northern Tanzania  
**Katherine Flack**, *Newcastle University*
- 12:00 Diversity and Evolution of Antigens in the Tetraspanin Protein Family of *Schistosoma japonicum*, and implications for vaccine candidacy.  
**Daniel Parsons**, *Kingston University.*
- 12:15 Elucidating the role of the skin microbiome in human attractiveness to mosquitoes.  
**Alicia Showering**, *London School of Hygiene and Tropical Medicine.*
- 12:30 Formulation, Characterization and Evaluation of Wog19-Loaded and Wog19 +Chloroquine-Loaded Solid Lipid Nanoparticles for the Treatment of Resistant *P.berghei* Malaria.  
**Samuel Uzundu**, *NanoMalaria Research Unit, Drug Delivery and Nanomedicines Research Laboratory, University of Nigeria.*
- 12:45 Towards xenomonitoring of Chagas disease vectors and pathogen: development of low-technology environmental surveillance in the laboratory and the field.  
**Grace Gysin**, *London School of Hygiene and Tropical Medicine.*
- 13:00 **Lunch and poster viewing**
- 14:00 Silicosis and silicotuberculosis prevalence amongst respiratory admissions: A hospital based, cross sectional study in Northern Tanzania  
**Patrick Howlett**, *National Heart and Lung Institute*
- 14:15 Prevalence and risk factors for HIV-associated neurocognitive disorders (HAND) in a well-managed cohort of older adults receiving standard HIV care in Mbeya, Tanzania.  
**Nikita Thumma Redtt**, *Newcastle University.*
- 14:30 Retinal Imaging as a Potential Biomarker of HIV Progression in older HIV positive adults in Northern Tanzania.  
**Grace George**, *Northumbria Trust*

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- 14:45 **Afternoon refreshments poster viewing**
- 15:00 **Guidance sessions**
- How to get published
  - How to communicate your research
  - How to get funding
- 16:15 TB and HIV epidemiology and diagnostic interventions  
**Elizabeth Corbett**, *Sir Rickard Christopher Medal recipient 2021*.
- 17:00 **Prize giving and wrap up**
- 17:15 **Close**

### Poster presentations

- P.01 The impact of the COVID-19 pandemic on paediatric cancer patients in low, middle, and high-income countries: protocol for a multicentre, international, observational cohort study  
**Soham Bandyopadhyay**, *University of Oxford*
- P.02 The impact of preventative chemotherapy on *Schistosoma mansoni* associated morbidity in children in the Marolambo district of Madagascar, over a four year period.  
**Kate Hyde**, *MADEX Madagascar Medical Expeditions*
- P.03 How do we best use Xpert MTB/RIF Ultra to diagnose tuberculous meningitis? A pilot study in Gaborone, Botswana  
**Anika Rahim**, *London School of Hygiene and Tropical Medicine*
- P.04 Rapid capture of uropathogenic bacteria and on-chip determination of associated anti-microbial resistance  
**Andrea Dsouza**, *University of Warwick*
- P.05 Evaluation of the Recombinase Polymerase Amplification assay as a point-of-care diagnostic for *Schistosoma mansoni* infections and for transmission monitoring  
**Silvia Mesquita**, *Fiocruz / Natural History Museum*
- P.06 A pilot study of computer aided diagnosis (cad) tools to screen tuberculosis in context of Nepal  
**Sunil Neupane**, *Purbanchal University*
- P.07 Tandem use of OvMANE1 and Ov-16 ELISA tests increases the sensitivity for the diagnosis of human onchocerciasis  
**Cabirou Mouchili Shintouo**, *University of Buea, Cameroon*
- P.08 Key factors influencing multidrug-resistant tuberculosis in patients under anti-tuberculosis treatment in two centres in Burundi: A Mixed Effect Modelling Study  
**Arnaud Iradukunda**, *University of Burundi*
- P.09 In silico design and characterization of OvMCBL01 chimeric antigen as a potential biomarker for the diagnosis of human onchocerciasis  
**Bernis Neneyoh Yengo**, *University of Buea*

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- P.10 Community mask wearing, its barriers and motivators among rural households of Uganda: A mixed methods approach  
**Grace Biyinzika Lubega**, *Makerere University School of Public Health*
- P.11 Exploring the biological factors of the transmission cycle of cutaneous leishmaniasis in Alta Verapaz, Guatemala  
**Yamie Lopez**, *Universidad del Valle de Guatemala*
- P.12 Predictors of traditional remedying and other characteristics among human snakebite victims in Baringo county, Kenya, 2010-2020.  
**Peris Kung'u**, *Global Implementation Solutions*
- P.13 The burden of human coronavirus infection in children hospitalised with severe lower respiratory tract infection in Cape Town, South Africa  
**Abdulumuni Samuel Aliyu**, *University of Cape Town*
- P.14 Epidemiological Studies of Malaria in Gboko Benue State, Nigeria: Justifying the Need for Participatory Action Research  
**Emmanuel Ogbuefi**, *Nnamdi Azikiwe University Awka Anambra State Nigeria*
- P.15 Survival of adult female worms of *Onchocerca ochengi* in gerbils and hamsters: implications for the development of an in vivo macrofilaricide screening model  
**Glory E. Mbah**, *Higher Teacher Training College, The University of Bamenda*
- P.16 Assessment of the durability of long-lasting insecticidal nets from the 2017 ITN mass campaign in Benin, West Africa  
**Idelphonse Ahogni**, *Centre for Research of Entomology in Cotonou*
- P.17 Nasal Carriage of Methicillin-resistant *Staphylococcus sciuri* by Residents of an Urban Informal Settlement in Kenya  
**Charchil Ayodo**, *Washington State University Global Health - Kenya*
- P.18 Prevalence of urogenital schistosomiasis among school children aged at kigogo primary school, Kinondoni Dar es salaam  
**Yona Yangaza**, *Mbeya regional referral hospital*
- P.19 Molecular detection of *Schistosoma mansoni* DNA in faeces of natural predators – is fish faecal xenomonitoring a potential tool for transmission monitoring?  
**Zikmund Bartonicek**, *Natural History Museum*
- P.20 Evaluating changes in VO<sub>2</sub>Max and anaemia following four years of praziquantel mass drug administration for *Schistosoma mansoni* in school children in Marolambo, Madagascar  
**Robet Gittings**, *University of Liverpool*
- P.21 Resistance of *Aedes aegypti* to insecticide in Niger: first report of V1016I, F1534C and V419L kdr mutations associated to pyrethroid resistance  
**Mamadou Maiga Abdoul-Aziz**, *University of Joseph KI-ZERBO (ex University of Ouagadougou).*
- P. 22 Assessment of COVID-19 knowledge, Preventive behaviors, severity, self-efficacy and mental health in Bangladesh and Iraq  
**Hashim Talib Hashim**, *University of Baghdad, College of Medicine*

