



# Research in progress

Wednesday 5 December 2018  
Wellcome Collection

- 08:45 **Morning refreshments and setting up of posters**
- 09:10 **Welcome and opening remarks**
- Session 1**
- 09:15 **Plenary**
- 09:45 Antibiotic consumption in children under five with fever, acute respiratory infection (ARI) and diarrhoea in Nepal: analysis and modelling of demographic health survey (DHS) data from 2006 – 2016.  
**Dr Charlotte Zheng**, *Oxford University Clinical Research Unit, Hanoi, Vietnam*
- 10:00 Comprehensive profiling of antibodies against multiple infectious diseases in serum and the airway mucosa using synthetic peptide-based linear epitope microarrays.  
**Mr Kuria Timothy**, *KEMRI-Wellcome Trust Research Programme, Kenya*
- 10:15 Identifying potential malaria breeding sites around dams in Malawi using entomological surveys and drones  
**Miss Remy Spaans**, *Liverpool School of Tropical Medicine*
- 10:30 First report of *Biomphalaria* in Lake Malawi and emergence of intestinal schistosomiasis in Mangochi District, Malawi  
**Mr Mohammad Alharbi**, *Liverpool School of Tropical Medicine*
- 10:45 High CMV DNA-aemia associates with stunting and chronic lung disease in older children and adolescents with perinatally-acquired HIV-1 infection  
**Dr Louis-Marie Yindom**, *University of Oxford*
- 11:00 **Morning refreshments**
- Session 2**
- 11:30 Scabies and Group A *Streptococcus* pyoderma prevalence in The Gambia  
**Dr Edwin Armitage**, *Medical Research Council Unit The Gambia*
- 11:45 The potential of enzyme inhibitors as alternate therapies for treating snakebite caused by saw-scaled vipers  
**Miss Melissa Hale**, *Liverpool School of Tropical Medicine*
- 12:00 Traditional birth attendants-based referral system to improve vaccination services in hard to reach areas of rural Pakistan  
**Dr Ambreen Sahito**, *Isra University, Hyderabad*
- 12:15 Capacity building for the unexpected in Kailahun District, Sierra Leone: strengthening emerging infectious disease and outbreak preparation through community motorcycle mapping.  
**Dr Edward Monk**, *University Hospital of South Manchester*
- 12:30 Burden of neurological symptoms and signs in HIV positive adults aged 50 and over in Northern Tanzania  
**Miss Sarah Holmes**, *Newcastle University*



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- 12:45 Stepping into the antimicrobial resistance war at Kigali University Teaching Hospital (CHUK): The challenges around *Staphylococcus Aureus*  
**Dr Chantal Nyirabanguka**, *Kigali University Teaching Hospital*
- 13:00 **Lunch, poster presentations and mentoring sessions**
- Session 3**
- 15:00 **Plenary**
- 15:30 Design of a multi-antigenic, multi-stage and multi-epitope vaccine candidate against onchocerciasis and related filarial diseases  
**Mr Shintouo Cabirou**, *University of Buea*
- 15:45 Immunogenicity and safety of fractional-dose yellow fever vaccination as a strategy for mitigating global vaccine shortages: A systematic review and meta-analysis  
**Dr Chukwudi Nnaji**, *School of Public Health and Family Medicine, University of Cape Town*
- 16:00 **Afternoon refreshments**
- 16:30 TBC
- 16:45 Oral presentation
- 17:05 Prize-giving and closing comments



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## Parallel poster sessions

- P.01 Mechanisms of resistance to neonicotinoids in *Anopheles gambiae*  
**Miss Emily Martin**, *Liverpool School of Tropical Medicine*
- P.02 Feasibility of Use of Obstetric Early Warning Systems for maternal monitoring in a resource limited setting  
**Mr Aminu Umar**, *Liverpool School of Tropical Medicine*
- P.03 Lineage-specific rapid diagnostic tests efficiently resolve *Trypanosoma cruzi* TcII/V/VI ecological and epidemiological associations in the Argentine Gran Chaco  
**Miss Niamh Murphy**, *The London School of Hygiene and Tropical Medicine*
- P.04 Assessing the effectiveness of the index case approach for active case detection of visceral leishmaniasis in Bihar State, India: analysis of a household longitudinal study  
**Mr Timothy Pollington**, *University of Warwick*
- P.05 Prevalence and phylogenetic evolution of hepatitis B virus resistance associated mutations using published GenBank data.  
**Miss Jolynne Mokaya**, *University of Oxford*
- P.06 Zoonotic Infectious Diseases as Ecosystem Disservices  
**Mr Rory Wilson**, *University of Glasgow*
- P.07 Nurturing Nature: Investigating the use of Protected Areas as a tool to recover ecosystems that contribute to global health  
**Miss Elisabeth Chestnutt**, *University of Oxford*
- P.08 Patterns of Population Movement and Ivermectin Adherence in Onchocerciasis Foci in Ghana  
**Mr Plummer Hamilton**, *Imperial College London*
- P.09 'If she was healthy, I would be free.' The impact of acute adenolymphangitis in podoconiosis on caregivers: a case study in Wayu Tuka woreda, Oromia, Western Ethiopia  
**Miss Clare Philips**, *Brighton and Sussex University, Hospitals NHS Trust and Brighton and Sussex Medical School*
- P.10 Assessing the Validity of the Diagnostic Criteria for Scabies and investigating Complications of Scabies in Surabaya, Indonesia  
**Mr Ganesh Paul**, *RSUD Dr Soetomo, Surabaya and The London School of Hygiene and Tropical Medicine*
- P.11 The prevalence and characteristics of dental fluorosis in a Rural Tanzanian population: A follow-up study  
**Miss Claire Stevens**, *Newcastle University*
- P.12 Design of a multi-antigenic, multi-stage and multi-epitope potential vaccine candidate against onchocerciasis and related filarial diseases: adding immuno-informatics to immunomics  
**Mr Robert Adamu Shey**, *Universite Libre de Bruxelles*
- P.13 What is the socio-economic impact of leg lymphoedema on patient caregivers in a podoconiosis and lymphatic filariasis co-endemic district of Ethiopia?  
**Miss Thais Caprioli**, *Liverpool School Tropical Medicine*
- P.14 The Epidemiology and Long-term Outcome of Skeletal Fluorosis in the South West of the Hai district, Tanzania



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**Ms Anna Foat**, *University of Newcastle*

- P.16 Who Acquires Infection From Whom? Identifying Key Hosts in a Zoonotic Hybrid Schistosome System in Senegal, West Africa.  
**Ms Anna Borlase**, *Royal Veterinary College and London School of Hygiene and Tropical Medicine*
- P.17 Geospatial mapping of malaria risk using prevalence point surveys and incidence surveillance data in a joint Bayesian model  
**Miss Anita Nandi**, *Big Data Institute, University of Oxford*
- P.18 Rapid risk assessment for communicable diseases in humanitarian emergencies: validation of a semi-quantitative, multi-sectorial, rapid risk assessment tool for communicable disease risk in humanitarian emergencies  
**Ms Charlotte Hammer**, *University of East Anglia, Norwich Medical School*
- P.19 Anthropometric deficits in infants under 6-months of age in Malawi: a descriptive secondary data-analysis of a cross-sectional prevalence survey  
**Miss Imara Gunning**, *Brighton and Sussex Medical School*
- P. 20 Identifying Late Life Depression in a sub-Saharan Setting  
**Miss Molly Howarth-Maddison**, *Newcastle University*

