



WTCGHR Annual Scientific Meeting Schedule

Sunday 30th October

19.00 Registration, Informal Buffet Reception & Pub Quiz – hosted by Glasgow WTCMP (Colonnades Suite)

Monday 31st October

08.50 Registration & refreshments - (Desk outside Jubilee Restaurant & Palazzo Bar)

09.30 Welcome and overview session - Chair: **Professor David Lalloo** - (Colonnades Suite)

- I. WTCGHR – **Professor David Lalloo**
- II. Glasgow WTCMP – **Professor Andy Waters**
- III. MLW – **Professor Stephen Gordon**
- IV. Malawi College of Medicine – **Dr Cecilia Nyirenda**

10.10 Funding opportunities at Wellcome for global health research – Dr Mary De Silva & James Hynard

10.45 Coffee - (Palazzo Bar)

11.00 Plenary session - Chair: **Professor Bertie Squire & Dr Kevin Mortimer** - (Colonnades Suite)

Plenary talk: Drs Jane Carter & Jeremiah Chakaya Muhwa - *Standing at the Bedside: Bringing Science into the Room*

- I. **Jamilah Meghji** - *Non-communicable lung disease in sub Saharan Africa: a community-based cross-sectional study of adults in urban Malawi*
- II. **Cristina Ardura Garcia** - *Risk Factors for Emergency Re-attendance for Acute Childhood Asthma in Esmeraldas, Ecuador*
- III. **Antonia Ho** – *The association between respiratory viral infection and nasopharyngeal carriage density of Streptococcus pneumoniae in Malawian adults*
- IV. **Stephen Aston** – *The qSOFA sepsis screening tool does not accurately predict mortality in adults hospitalised with community-acquired pneumonia in Malawi*

12.30 Lunch - (Jubilee Restaurant)

13.30 Breakout Sessions – 1.5hrs

1. **TB & Lung Health** - (Colonnades Suite) Session Lead: **Professor Bertie Squire & Dr Kevin Mortimer**
 - **Peter MacPherson** - *Optimised TB and HIV screening, care and prevention for adults with cough at primary care in Malawi: a pragmatic randomised trial to improve case detection and facility infection control*
 - **Marriot Nliwasa** - *The burden of tuberculosis in Blantyre city stratified by age, gender and HIV status*
 - **Jamilah Meghji** - *Life After TB: characterizing lung health in a cohort of patients after completion of TB therapy*
2. **Epidemics and their Aftermath** - (Victoria Room) Session Lead: **Dr Janet Scott**
 - **Chitra Pattabiraman** - *Sequencing based identification of viruses in acute febrile illness and acute encephalitis in India*
 - **Jenny Clarke** - *Understanding the determinants of Group A Streptococcal pathogenicity*
 - **Janet Scott** - *Characterising Post Ebola Syndrome, Sierra Leone: a review of project results*
 - **Lance Turtle** - *CD8+ T cell cross-reactivity between Zika virus and other flaviviruses.*
3. **Gut and Lung Mucosal Immunology** - (Edward Room) Session Lead: **Professor Melita Gordon**



15.00 **Coffee** - (Palazzo Bar)

15.20 **Breakout Sessions** – 2hrs

4. *Child Health* - (Colonnades Suite) Session Lead: **Professor Stephen Allen**

- **Chris Moxon** - *Profiling the effect of malaria infected erythrocyte sequestration on endothelial cells in an in vitro cell culture model and in post-mortem tissue*
- **Ivan Mambule** - *Prevalence of vaccine preventable respiratory pathogens amongst children less than five years of age in a high volume tertiary hospital in urban Malawi, 2011-2015*
- **Emilie Macher** - *Building therapeutic alliances between health workers and guardians in nutritional rehabilitation units: a qualitative study in the Moyo unit, Blantyre, Malawi*

5. *Surviving Sepsis* - (Victoria Room) Session Lead: **Dr Jamie Rylance**

- **Rebecca Lester** - *Prospective feasibility study to evaluate the utility of an antimicrobial stewardship programme to reduce antimicrobial usage in adult medical patients at Queen Elizabeth Central Hospital*
- **Stephen Aston** – *The qSOFA sepsis screening tool does not accurately predict mortality in adults hospitalised with community-acquired pneumonia in Malawi*
- **Ben Morton** – *Context-specific triage in resource limited settings*

6. *Early Mortality in TB* – (Edward Room) Session Lead: **Professor Bertie Squire**

- **Derek Sloan** - *Overview of the EDCTP REMTAz Trial*
- **Alwyn Mwinga** - *Results from the REALITY Trial and systematic review of nutritional interventions for TB*
- **Chikondi Peno** - *Phylogenetic Characterisation and Antimicrobial Resistance Profiling of Bacterial Hospital Pathogens in Malawi*
- **Lucky-Gift Ngwira** - *Risk factors for delayed HIV diagnosis among people with TB symptoms: A cross sectional study of people with TB symptoms attending primary care clinics in Malawi*

17.30 **Wellcome Trust Town Hall** - *An opportunity to feed back to Wellcome, on how funding for global health research could be improved* (Palazzo Bar) – 1hr

19.00 **Reception, Dinner & Ceilidh Dance** - (Palazzo Bar & Colonnades Suite)

Tuesday 1st November

08.30 **Registration & refreshments** - (Desk outside Jubilee Restaurant & Palazzo Bar)

09.10 **Plenary session** - Chair: **Professor Giancarlo Biagini** - (Colonnades Suite)

Plenary talk: **Dr Clare Chandler** - *Resistance to Magic Bullets: requirements of interdisciplinary engagement*

- I. **Laura Bricio Moreno** - *Mechanisms of pathogenesis of African pneumococcal serotype 1 during nasopharyngeal carriage and invasive disease*
- II. **Patrick Musicha** - *Genomic landscape of extended spectrum b-lactamase resistance in Escherichia coli from an urban African setting*
- III. **Janet Storm** - *The role of Plasmodium falciparum in cytoadherence-mediated pathology in cerebral malaria*
- IV. **Christine Kelly** – *Characterisation of cardiovascular risk and immune exhaustion in HIV-infected Malawians*

10.45 **Coffee** - (Palazzo Bar)

11.00 **Poster session** - Reviewers: **TBC** - (Colonnades Suite) – 1.5hrs



12.30 **Lunch** - (Jubilee Restaurant)

13.30 **Plenary session** - Chair: **Professor Nigel Cunliffe** - (Colonnades Suite)

Plenary talk: Professor Michael White – *Quantitative analysis of inflammatory responses in single cells*

- I. **Melissa Gladstone** - *The FoCuS CwD Study – Feasibility of a Community Intervention to provide advice and support for parents of children with Disabilities*
- II. **Ghaith Aljayyousi** – *Macrophage Intracellular Kill Rate is Predictive of Tuberculosis Treatment Duration*

Plenary talk: Professor Matthias Marti – *Biology of malaria transmission in an era of elimination*

15.00 **Coffee** - (Palazzo Bar) – 15 minutes

Plenary talk: Dr Marc-Alain Widdowson – *Global emerging infectious threats: contained....or capricious and out-of-control?"*

- III. **Alice Law** - *Chronic soil-transmitted helminth infection impairs host immune control of Streptococcus pneumoniae nasopharyngeal carriage*
- IV. **Calum Semple** – *Results from Ebola Convalescent Plasma Trials in West Africa*

16.20 **Breakout Sessions**

7. *PhD Student Forum* – (Colonnades Suite) Session Lead: **Dr Kevin Mortimer & Professor Giancarlo Biagini**

8. *Zoonoses & One Health* – (Victoria Room) Session Lead: **Dr Rob Christley & Professor Mathew Baylis**

- **Caisey Pulford** - *Genome-based analyses of Salmonella associated with a collection of venomous snakes*
- **Reenesh Prakash** - *An Investigation into the distribution and reservoirs of Invasive Salmonellae in Blantyre, Malawi*
- **Hannah Brindle** - *The Vietnam Initiative on Zoonotic Infections (VIZIONS): an interim analysis of the epidemiology and aetiology of central nervous system infections*

9. *Eye Health – Focus on the Retina* - (Edward Room) Session Lead: **Professor Simon Harding**

- **Philip Burgess** - *High Mortality in Subjects with Both Diabetes and HIV in Southern Malawi*
- **Valentina Barrera** - *Blood Retinal Barrier Dysfunction in Malawian Children with Fatal Cerebral Malaria*
- **Ian MacCormick** - *Leakage from the retinal neurovasculature and brain swelling in severe cerebral malaria*

19.15 **Reception & Informal Dinner** - (Albert Lounge & Jubilee Restaurant)



Wednesday 2nd November

09.00 **Refreshments** - (Palazzo Bar)

09.15 **Plenary session** - Chair: **Professor Neil French** - (Colonnades Suite)

Plenary talk: Dr Carl Goodyear - *Can we use cellular and/or molecular biomarkers to stratify patients and design new therapeutic strategies?*

- I. **Louisa Pollock** - *Lack of association between faecal shedding of oral polio vaccine and rotavirus vaccine in Malawian infants*
- II. **Augustine Choko** - *Acceptability of woman-delivered HIV self-testing to the male partner: a qualitative study of antenatal clinic-linked participants in Blantyre, Malawi*
- III. **James Chirombo** - *Modelling climatic and non-climate drivers of malaria for transmission reduction*

10.30 **Coffee** - (Palazzo Bar) – 15 minutes

Plenary talk: Dr Emma Thomson - *Applying metagenomic next generation sequencing as a diagnostic tool for the surveillance and diagnosis of new and emerging viruses in Uganda*

- IV. **Kathleen Dantzler** - *Gametocyte-specific immunity provides a rationale for novel transmission blocking interventions in *P. falciparum**
- V. **Aisleen Bennett** - *Mixture models to estimate rotavirus incidence in infants from India and Malawi*

11.45 **Closing remarks & prizes** – **Professor David Lalloo**

12.00 **Lunch** - (Jubilee Restaurant)

13.00 **WTCGHR Board Meeting** - (Palazzo Bar) – 2hrs