



Genomic Epidemiology of Malaria

5-8 June 2016

Wellcome Genome Campus, Hinxton, Cambridge, UK

Sunday 5th June

12:00-14:00

Registration

14:00-15:30

Session 1: Setting the Stage I

Chair: Dyann Wirth

14:00

[Dyann Wirth](#) - Welcome and Introduction

14:10

[Bruno Moonen](#) - Strategy for accelerating the path to elimination – the Bill & Melinda Gates Foundation

14:30

[Arjen Dondorp](#) - Targeting the asymptomatic malaria reservoir to accelerate malaria elimination in areas of artemisinin and partner drug resistance

14:50

[Venkatachalam Udhayakumar](#) - Leveraging genomics in the fight against malaria

15:10

[Chris Ockenhouse](#) - How genetic diversity in vaccine target antigens impacts the development of malaria vaccines for elimination and public health impact

15:30-16:00

Afternoon Tea and Coffee

16:00-16:40

Session 2: Setting the Stage II

Chair: Bronwyn MacInnis

16:00

[Edward Wenger](#) - Evaluating the information value of parasite genomics for malaria elimination

16:20

[Dominic Kwiatkowski](#) - Translating parasite genomic data into useful information for malaria control

16:40 – 17:30

Session 3: Introduction to GEM Travel Awardees, supported by BWF, MalariaGEN, CGGH and WGCSC

Chair: Bronwyn MacInnis

[Voahangy Andrianaranjaka](#) - Sympatric *Plasmodium ovale curtisi* and *Plasmodium ovale wallikeri* in Madagascar prior to ACT and LLIN use

[Gabriel Carrasco-Escobar](#) - Genetic Population Structure in hotspots of *P. vivax* infections in the Peruvian Amazon: Closing the gap between Genetics and Epidemiology

[Anita Ghansah](#) - *Plasmodium falciparum* diversity and drug resistance in two distinct ecological zones of Ghana.

[Lemu Golassa](#) - The effects of malaria species-specific treatment policy on case management and dynamics of resistance markers in Ethiopia

[Majidah Hamid-Adiamoh](#) - Pyrethroid Knockdown resistance (kdr) Haplotypes in *Anopheles gambiae* Populations from Malaria Surveillance Sites in The Gambia

[Yaye Die Ndiaye](#) - Molecular surveillance of *Plasmodium falciparum* drug resistance markers in Thies and Dakar, Senegal

[Luicer Olubayo](#) - Artemisinin-based combination therapy efficacy in Kisumu, Western Kenya: selection of parasite subpopulations of *Plasmodium falciparum* with attenuated response to acts

[Irene Omedo](#) - Micro-epidemiological structuring of *Plasmodium falciparum* parasite populations in regions with varying transmission intensities in Africa.

[Aung Phyo](#) - Declining efficacy of artemisinin combination therapy against *P. falciparum* malaria on the Thai-Myanmar border (2003-2013): the role of parasite population genetic factors.

18:00

Dinner (Hall Restaurant)

19:30

Science Speed dating with drinks reception (Conference Centre Foyer)