

ANNUAL CONFERENCE
MEETING THE CHALLENGES – FOES OLD & NEW

12 DECEMBER 2017
UNIVERSITY OF LIVERPOOL IN LONDON
33 FINSBURY SQUARE | LONDON | EC2A 1AG

PROGRAMME

DAY 1

- 09.30 am **Registration and Tea/Coffee**
- 10.00 am **Welcome and Introduction**
Tanya Dunn, Head of Operational Development at UoLiL and Professor Tom Solomon, Director
- 10.05 am ***The Health Protection Research Unit in Emerging and Zoonotic Infections - A Year of Challenges and Successes***
Professor Tom Solomon, Director
- Session 1 Major Emerging Disease Challenges – Lyme**
Chair: Dr Jolyon Medlock, Vector Biology and Climate Modelling Theme Leader
- 10.15 am **Overview of HPRU work in this area**
Dr Nick Beeching, Clinical Surveillance Theme Leader
- 10.20 am **Host-derived markers of Lyme disease and their diagnostic potential**
Greg Joyner, PhD student
- 10.30 am *Discussion*
- 10.35 am **The incidence and demographics of Lyme disease in UK primary care, 1998-2015**
John Tulloch, PhD student
- 10.45 am *Discussion*
- 10.50 am **Ixodes ricinus tick activity in England – microclimate influence and Borrelia prevalence**
Liz McGinley, PhD student
- 11.00 am *Discussion*
- 11.05 am **Keynote Speaker:**
Zika infection in Brazil: where are we now?
Dr Ana Maria Bispo de Filippis, Head of Flavivirus Laboratory, Oswaldo Cruz Institute, Brazil
- 11.45 am *Discussion*
- 11.55 am Team Photograph
- 12.00 pm Lunch and Posters

Session 2 Major Emerging Disease Challenges – Ebola

Chair: Professor Julian Hiscox, Pathogen Discovery and Characterisation Theme Leader

- 1.00 pm** **Overview of HPRU work in this area**
Professor Miles Carroll, Deputy Director
- 1.05 pm** **Elucidation of the cellular interactomes of EBOV VP35 and L for targeting the function of essential host factors with repurposed antiviral therapies**
Jordana Munoz Basagoiti, PhD student
- 1.15 pm** *Discussion*
- 1.20 pm** *HPRU Member Invited Abstract*
Characterisation of convalescent plasma using an EBOV GP HIV-1 pseudo-typed assay
Charlene Adaken, PhD student at University of Liverpool
- 1.30 pm** *Discussion*
- 1.35 pm** **Elucidating the determinants of patient outcome following acute EBOV infection**
Natasha Rickett, PhD student
- 1.45 pm** *Discussion*

Session 3 Emerging Challenges

Chair: Professor Dilys Morgan Risk Assessment of Emerging and Zoonotic Threats Theme Leader

- 1.50 pm** **Overview of HPRU work in this area**
Dr Roberto Vivancos, Epidemiological Theme Leader
- 1.55 pm** **Disease, disgust and dirty work: exploring the border practices of pest control**
Charlotte Robin, PhD student
- 2.05 pm** *Discussion*
- 2.10 pm** **Understanding agricultural antibiotic use and their policies in the UK dairy industry**
Stephanie Begemann, PhD student
- 2.20 pm** *Discussion*
- 2.25 pm** **Quantitative analysis of the attraction and feeding behaviour of UK mosquito species**
Aislinn Currie-Jordan, PhD student
- 2.35 pm** *Discussion*
- 2.40 pm** Tea /Coffee break
- 3.15 pm** **Keynote Speaker:**
Outbreaks: The Slow Road to Rapid Control
Professor Daniel Bausch, Director, UK Public Health Rapid Support Team
- 3.55 pm** *Discussion*

Session 4 Major Emerging Disease Challenges – Zika

Chair: Dr Tim Brooks, Clinical Surveillance Theme Leader

- 4.05 pm **Overview of HPRU work in this area**
Professor Tom Solomon, Clinical Surveillance Theme Leader
- 4.10 pm **Climate-driven models for mosquito-borne disease risk in China and Europe**
Soeren Metelmann, PhD student
- 4.20 pm *Discussion*
- 4.25 pm *HPRU Member Invited Abstract*
The direct detection of dengue, chikungunya and Zika from whole blood using the QuRapid, a molecular platform for the point of care
Dr Thomas Edwards, Postdoctoral Researcher at Liverpool School of Tropical Medicine
- 4.35 pm *Discussion*
- 4.40 pm **The spectrum of neurological disease associated with Zika and chikungunya viruses in adults in Rio de Janeiro, Brazil: a case series**
Dr Ravi Mehta, Research Fellow
- 4.50 pm *Discussion*
- 4.55 pm Comfort break
- Voting opens –

Session 5 Public Engagement

Chair: Dr Richard Vipond, PHE Rare and Imported Pathogens Laboratory Operations Manager

- 5.10 pm *HPRU Member Invited Abstract*
Catching them young: Developing resources for HPRU public engagement activities in schools
Dr Hannah Williams, PHE Senior Mathematical Modeller
- 5.15 pm **The importance of Public Engagement in an epidemic such as Zika**
Raquel Medialdea-Carrera, PhD student
- 5.20 pm Presentation & Poster Prizes
- 5.40 pm Drinks and canapés
- 7.00 pm Close of Conference