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