

ANNUAL CONFERENCE

MEETING THE CHALLENGES AND THINKING AHEAD

12 DECEMBER 2017

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

PROGRAMME

DAY 1

09.30 am

Registration (Ground Floor)
Tea/Coffee (7th Floor)

10.00 am

Welcome and Introduction (2nd Floor – Seminar Room 9)

Tanya Dunne, Head of Operational Development at University of Liverpool in London 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 (2nd Floor – Seminar Room 9)

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 (7th Floor)

12.00 pm

Lunch and Posters (7th Floor)

Session 2 Major Emerging Disease Challenges – Ebola (2nd Floor – Seminar Room 9)

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 Muñoz-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 (2nd Floor – Seminar Room 9)

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 (7th Floor)**

3.15 pm **(2nd Floor – Seminar Room 9)**

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 (2nd Floor – Seminar Room 9)

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 (2nd Floor – Seminar Room 9)

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 and Poster Prizes**
Best Oral Presentation
Best Poster Presentation
Best Presentation 'People's Choice'
- 5.40 pm** **Drinks and canapés (7th Floor)**
- 6.45 pm Close of Conference