

## ANNUAL CONFERENCE ZIKA AND OTHER EMERGING INFECTIONS

13<sup>TH</sup> DECEMBER 2016  
UNIVERSITY OF LIVERPOOL  
LMI | LIVERPOOL | L3 5SR

### PROGRAMME

10.15 am **Registration and Coffee**

10.45 am **Welcome and Introduction**  
Professor Tom Solomon, Director

#### **Session 1 Chair: Professor Tom Solomon, Director**

10.50 am **Did El Niño fuel the 2015-2016 south-American Zika outbreak?**  
Dr Cyril Caminade, Research Fellow

11.00 am *Discussion*

11.05 am **Developing a 'One Health' antibacterial prescription surveillance approach through the use of health informatics**  
Dr Fernando Sánchez-Vizcaíno, Research Fellow

11.15 am *Discussion*

#### **Session 2 Chair: Professor Miles Carroll, Deputy Director**

11.20 am **Opening Keynote:**  
*The FioCruz response to the Zika outbreak*  
Dr Patricia Sequeira, FIOCRUZ Laboratório de Flavivírus, Instituto Oswaldo Cruz, Brazil  
12.00 pm *Discussion*

12.10 pm **Metagenomic viral sequencing for non-targeted pathogen identification utilizing the MinION**  
Liana Kafetzopoulou, PhD Student

12.20 pm *Discussion*

12.25 pm **Serum plasma proteins associated with acute Hantavirus infection in a pregnant woman**  
Sarah Bar-Yaacov, PhD Student

12.35 pm *Discussion*

12.40 pm ***The Health Protection Research Unit in Emerging and Zoonotic Infections - A Year of Challenges and Successes***  
Professor Tom Solomon, Director

12.55 pm Team Photograph

1.00 pm Lunch and Posters

**Session 3 Chair: Professor Dilys Morgan, Risk Assessment of Emerging and Zoonotic Threats Theme Leader**

- 2.00 pm **Characterisation of the increasing numbers of hepatitis E infections in England and Wales 2010-2015**  
Dr Clarissa Oeser, Research Fellow
- 2.10 pm *Discussion*
- 2.15 pm **The challenge of Zika virus diagnosis after acute infection - anti-Zika virus NS1 antibody ELISAs exhibit poor accuracy in Brazilian patients**  
Raquel Medialdea Carrera, PhD Student
- 2.25 pm *Discussion*
- 2.30 pm *HPRU Member Invited Abstract*  
**National Leptospira Service improvements, introduction of typing and species identification direct on Clinical Specimens**  
Dr Derren Ready, Head of Respiratory and Systemic Bacteria Reference Unit, PHE
- 2.40 pm *Discussion*

**Session 4 Chair: Professor Hilary Ranson, Liverpool School of Tropical Medicine Lead**

- 2.45 pm *HPRU Member Invited Abstract*  
**Neurological disease associated with Zika infection**  
Dr Mark Ellul, Research Fellow, Institute of Infection and Global Health, University of Liverpool
- 2.55 pm *Discussion*
- 3.00 pm **Vector competence of British mosquitoes for ZIKV and other arboviruses**  
Dr Marcus Blagrove, Postdoctoral Researcher
- 3.10 pm *Discussion*
- 3.15 pm **Differential gene expression analysis of acute Ebola virus patients with fatal or non-fatal infections**  
Natasha Rickett, PhD Student
- 3.25 pm *Discussion*
- 3.30 pm *HPRU Member Invited Abstract*  
**CD8+ T cell cross-reactivity between Zika virus and other flaviviruses**  
Dr Lance Turtle, Clinical Lecturer in Infectious Diseases, Institute of Infection and Global Health, University of Liverpool
- 3.40 pm *Discussion*
- 3.45 pm Coffee

**Session 5 Chair: Professor Julian Hiscox, Science and Training Lead**

- 4.15 pm **Closing Keynote:**  
***Zika virus interactions with host cells***  
Dr Alain Kohl, MRC Programme Leader, MRC- University of Glasgow Centre for Virus Research
- 4.55 pm *Discussion*
- 5.05 pm Presentation & Poster Prizes
- 5.10 pm Drinks