

NIHR Health Protection Research Unit in Emerging and Zoonotic Infections

Health Protection Research Unit in Emerging and Zoonotic Infections. Workshop on Molecular and immunological approaches to high consequence infections:

17th and 18th November, Radisson Edwardian, Heathrow, UK.

DAY 1: 17th November.

11:30 – 12:15. Lunch.

12:15 – 12:30. Workshop introduction: How the high consequence pathogen/emerging disease field has changed since the West African Ebola crisis and the objectives of the workshop.
Prof. Miles Carroll and Prof. Julian Hiscox.

12:30 – 13:15. Immunomics: Dissection of the immune response after Ebolavirus vaccination using NGS methods.
Dr. Gustavo Palacios. U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), USA.

13:15 – 13:45. Dissecting naturally acquired immunity in Ebola virus disease survivors and their contacts.
Prof. Miles Carroll, Public Health England, UK.

13:45 – 14:15. Combining proteomics and transcriptomics to study high consequence infections.
Dr. David Matthews, University of Bristol, UK.

14:15 – 14:45. Interactions among respiratory viruses.
Dr. Pablo Murcia, Centre for Virus Research, University of Glasgow, UK.

14:45 – 15:30. Afternoon tea.

15:30 – 16:00. Host genetics and severe infection: combining epidemiology and evolution.
Dr. Bridget Penman, University of Warwick, UK.

16:00 – 16:30. Rapid mammalian adaptation of Avian Influenza virus, H9N2.
Dr. Holly Shelton, The Pirbright Institute, UK.

16:30 – 17:00. Results from Ebola convalescent plasma trials in West Africa.
Dr. Calum Semple, University of Liverpool, UK.

17:00 – 17:30. Ebolavirus pseudotypes for serology studies.
Dr. Ed Wright, University of Westminster, UK.

17:30 – 18:00. The role of the host and co-infections in determining the outcome of Ebola virus disease.
Prof. Julian Hiscox, University of Liverpool, UK.

20:00. Workshop dinner.

NIHR Health Protection Research Unit in Emerging and Zoonotic Infections

DAY 2: 18th November.

- 08:30 – 09:15. Cellular and molecular mechanisms of Zika virus pathogenesis: implications for treatment.
Prof. Lisa F. P. Ng, Singapore Immunology Network, A*STAR, Singapore.
- 09:15 – 09:45. Impact of emerging Lyssaviruses.
Prof. Tony Fooks, Animal and Plant Health Agency, UK.
- 09:45 – 10:15. Bioimaging virulent intracellular bacteria.
Dr. Caroline Rowland, Defence Science Technology Laboratory, UK.
- 10:15 – 10:45. A comparison of the adaptive immune response between recovered anthrax patients and individuals receiving three different anthrax vaccines.
Dr. Tom Laws, Defence Science Technology Laboratory, UK.
- 10:45 – 11:15. Morning coffee.
- 11:15 – 11:45. Crimean Congo Haemorrhagic Fever virus, Emergence and translational research.
Prof. Roger Hewson, Public Health England, UK.
- 11:45 – 12:15. Emergence of the poxvirus Lumpy skin disease virus into Europe and Asia - preparedness and response.
Dr. Pip Beard, The Pirbright Institute and The Roslin Institute, UK.
- 12:15 – 12:45. From Anthrax to Zika: WGS of high consequence pathogens at PHE Porton Down.
Dr. Steve Pullan, Public Health England, UK.
- 12:45 – 14:00. Lunch and end.