3rd International Symposium on Neglected Influenza Viruses
15th – 17th April 2015
The Georgia Center, Athens Georgia USA

SCIENTIFIC PROGRAM

Wednesday, 15 April 2015

4:00 – 6:00 pm   Registration

5:00 – 6:00 pm   Overview and new features of the Influenza Research Database (IRD)
Richard Scheuermann, Yun Zhang (subject to change)   Masters Hall

6:00 – 8:00 pm   Welcome Reception   Magnolia Ballroom

Thursday, 16 April 2015

7:00 – 10:00 am   Registration

8:00 – 8:15 am   Welcome and Opening Remarks
Tom Chambers and Stacey Schultz-Cherry   Masters Hall

8:15 – 9:00 am   Keynote
William Karesh, EcoHealth Alliance

9:00 – 12:00 pm   Session I: Surveillance and Disease Investigation

9:00 – 9:30 am   Invited Speaker
Jeff Hall, USGS National Wildlife Health Center

9:30 – 9:45 am   Influenza virus surveillance in backyard poultry and swine in central Chile
Chris Hamilton-West, University of Chile

9:45 – 10:00 am   Surveillance program for equine influenza virus in the United States (2010-2013)
Wendy Vaala, Merck Animal Health

10:00 - 10:15 am   Influenza A virus H10N7 detected in dead harbor seals (Phoca vitulina) at several locations in Denmark 2014
Charlotte Hjulsager, National Veterinary Institute, Technical University of Denmark

10:15- 10:45 am   AM Coffee Break

10:45 - 11:00 am   Examining influenza A virus activity in swine at agricultural fairs in the United States
Andy Bowman, The Ohio State University

11:00 - 11:15 am   Influenza A virus evolution and ecology in western Canadian swine
Susan Detmer, University of Saskatchewan

11:15 - 11:30 am   Ireland's largest equine influenza outbreak since the turn of the century - an in depth analysis
Sarah Gildea, The Irish Equine Centre, Johnstown, Naas, Co. Kildare, Ireland

11:30 - 11:45 am   Active surveillance of swine influenza virus in South Eastern US over the summer of 2014
Constantinos Kyriakis, University of Georgia
New influenza viruses H4N6 and H2N2 isolated from marine and wetland mammals in Russia
Marina Gulyaeva, Novosibirsk State University, Novosibirsk, Russia

12:00 - 1:30 PM
BUFFET LUNCH – MAGNOLIA BALLROOM

1:30 – 2:00 pm
Invited Speaker
Martha Nelson, Fogarty International Center, National Institutes of Health

1:30 – 2:00 pm
Equine Influenza Vaccination? Closing the Immunity Gap
Ann Culinane, The Irish Equine Centre, Johnstown, Naas, Co. Kildare, Ireland

1:30 – 2:30 pm
Dynamics of co-circulating H1N1 and H3N2 influenza a viruses in a cohort of pigs after weaning
Andres Diaz, University of Minnesota

2:00 - 2:45 pm
Spill-back transmission of European H1N1 avian-like swine influenza viruses between pigs and turkeys: a strain-dependent possibility?
Francesco Bonfante, Istituto Zooprofilattico Sperimentale delle Venezie, Viale delle Università, Italy

2:45 - 3:00 pm
The evaluation of twenty rapid antigen detection (RAD) tests in the diagnosis of Equine Influenza
Takashi Yamanaka, Epizootic Research Center, Equine Research Institute, the Japan Racing Association

3:00 - 3:15 pm
PM Coffee Break

3:15 - 3:30 pm
Novel human-like swine H3N2 and H3N1 Influenza A viruses detected in pigs are virulent and antigenically distinct from contemporary swine and human H3 strains
Daniela Rajao, USDA-ARS, Ames, Iowa

3:30 - 3:45 pm
Genotypic Variation of Influenza Viruses Circulating within European Swine since 2009
Simon Watson, Wellcome Trust Sanger Institute, UK

3:45 - 4:00 pm
North Atlantic gray seals (Halichoerus grypus) may be an underappreciated reservoir host for Influenza A Virus
Jonathon Rundstadler, Massachusetts Institute of Technology

4:00 - 4:15 pm
Detection and characterization of influenza A virus endemic circulation in neonatal and nursery pigs in a farm using an inactivated influenza vaccine
Philip Gauger, Iowa State University
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4:15 - 4:45 pm  Invited Speaker
Nitin Virmani, Principal Scientist, National Research Centre on Equines Sirsa Roar, Hisar, Haryana, India

4:45 - 6:30 pm  Poster Session and Cocktail Reception
Pecan Tree Galleria

5:30 - 6:30 pm  Science “Speed Dating”
TBA

6:30 - 8:00 pm  BUFFET DINNER
Magnolia Ballroom

Friday, 17 April 2015

7:00 – 10:00 am  Registration

8:00 – 8:45 am  Keynote
Montserrat Torremorell, University of Minnesota
Masters Hall

8:45 – 12:00 pm  Session III: Clinical and Experimental Virology

8:45 – 9:15 am  Invited Speaker
Colin Parrish, Cornell University

9:15 - 9:30 am  The impact of adjuvant in whole inactivated virus vaccines on vaccine-associated enhanced respiratory disease in pigs following influenza A virus challenge
Amy Vincent, USDA-ARS, Ames, Iowa

9:30 - 9:45 am  The contribution of specific haemagglutinin mutations to equine influenza vaccine breakdown
Rebecca Kinsley, University of Kent, UK

9:45 - 10:00 am  Pathogenesis and transmission of a naturally occurring reassortant swine H1N2 - A(H1N1)pdm09 virus in pigs and ferrets
Sharon Brookes, Animal Health and Veterinary Laboratories Agency, UK

10:00 -10:15 am  M2e-PP vaccination induced antibody recognizes influenza M2e on the virus and infected cells
Kyung-il Kang, Food Animal Health Research Program, The Ohio State University

10:15- 10:30 am  AM Coffee Break

10:30 - 10:45 am  Induction of type-I IFN by both TLR3 and RIG-I-mediated signaling in respiratory epithelial cells infected with canine influenza virus
Woo-Jung Park, College of Veterinary Medicine, Konkuk University, Korea

10:45 - 11:00 am  Cross-lineage antibody responses and protection upon vaccination with inactivated swine influenza virus vaccines
Yu Qiu, Faculty of Veterinary Medicine, Ghent University, Belgium
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11:00 - 11:15 am  
Respiratory transmission of an avian H3N8 influenza virus isolated from a harbor seal  
Erik Karlsson, St Jude Children’s Research Hospital, Memphis, Tennessee

11:15 - 11:30 am  
Substitutions Near the Receptor Binding Site Can Cause Major Antigenic Changes in Swine Influenza  
Eugenio Abente, USDA-ARS Ames, Iowa

11:30 - 12:00 pm  
Invited Speaker  
Shoujun Li, China

12:00 - 1:30 PM  
BUFFET LUNCH – MAGNOLIA BALLROOM

1:30 – 4:00 pm  
Session IV: Emerging Issues and New Developments  
Masters Hall

1:30 – 2:00 pm  
Invited Speaker  
David Wentworth, Centers for Disease Control and Prevention, Atlanta, Georgia

2:00 - 2:15 pm  
Recent emergence and zoonotic potential of a novel bovine influenza C virus  
Laura Eckard, St Jude Children’s Research Hospital, Memphis, Tennessee

2:15 – 2:30 pm  
EMPRES-i for the recording of all influenza events including the neglected ones?  
Gwenaelle Dauphin, FAO, Rome, Italy

2:30 – 2:45 pm  
An automated tool for quantifying spatial and temporal dynamics of influenza A in North American swine  
Tavis Anderson, Georgia Southern University

2:45 – 3:00 pm  
Mathematical Modeling of Influenza A Virus Dynamics within Swine Farms and the Effects of Vaccination  
Meggan Craft, University of Minnesota

3:00 – 3:15 pm  
Novel, High-Dimensional, High-Throughput Method for Influenza Hemagglutinin (HA) Antigenicity Measurement: The mPlex-Flu Assay  
Jiong Wang, University of Rochester Medical Center

3:15 – 3:30 pm  
Vaccine Breakdown in an Outbreak of Equine Influenza  
Angie Danner, St Jude Children’s Research Hospital, Memphis, Tennessee

3:30 - 3:45 pm  
The time-interval between infections and viral hierarchies are determinants of viral interference following influenza virus infection in a ferret model  
Karen Laurie, WHO Collaborating Centre for Reference and Research on Influenza, Melbourne, Australia

3:45 – 4:00 pm  
PM Coffee Break

4:00 – 5:00 pm  
Session V: Ways Forward  
Masters Hall

4:00 – 4:15 pm  
Invited Speaker - Progress on OFFLU STAR-IDAZ Research Agenda  
Stacey Schultz-Cherry, St Jude Children’s Research Hospital, Memphis, Tennessee

4:15 – 5:00 pm  
Expert Panel – Ways Forward for Neglected Influenza Viruses  
WHO, OIE-FAO, OFFLU, NIAID, Industry Representatives

5:00 – 5:15 pm  
Meeting Summary and Close  
Tom Chambers and Stacey Schultz-Cherry

6:30 pm –  
Optional Dinner