
Wednesday, 18 April 2018

4:00 – 6:00 pm *Registration*
6:00 – 8:00 pm *Welcome Reception*

Thursday, 19 April 2018

8:00 – 12:00 pm *Registration*

8:30 – 8:45 am **Welcome and Opening Remarks**
Janet Daly, Greg Gray

8:45 – 9:30 am **Keynote: #NegFluMatters – Flu Ecology is Inclusive**
Jonathan Runstadler, Tufts University, USA

9:30 – 12:00 pm **Session I: Virus Transmission and Control**
Conveners: Tom Chambers, Janet Daly, Gaëlle Simon

9:30 – 9:45 am Assessment of zoonotic transmission of swine influenza A viruses to naive or vaccinated ferrets
Sharon M. Brookes
Animal and Plant Health Agency-Weybridge, UK

9:45 - 10:00 am Differential immunogenicity of various heterologous prime-boost vaccine regimens using swine and human H3N2 influenza viruses in pigs
Sharon Chepkwony
Faculty of Veterinary Medicine, Ghent University, Belgium

10:00 - 10:15 am Neutralizing antibody response to booster/priming immunization with new equine influenza vaccine in Japan
Takashi Yamanaka
Equine Research Institute, Japan Racing Association, Japan

10:15 - 10:45 am **Coffee Break**

10:45 - 11:00 am A reassortant swine influenza A virus incorporating genes from pandemic (H1N1) 2009 and swine subtype H1N2 viruses is capable of interspecies transmission in pigs and ferrets
Helen E. Everett
Animal and Plant Health Agency-Weybridge, UK

11:00 - 11:15 am Antibody landscaping in the context of vaccination against influenza A viruses in European swine
Sara Lopes
Department of Zoology, University of Cambridge, Cambridge, UK

- 11:15 - 11:30 am Novel determinants of equine influenza virus morphology
Ilaria M. Piras
Centre for Virus Research, University of Glasgow, Scotland, UK
- 11:30 - 11:45 am Impact of HA stability on influenza virus replication and transmission in swine
Charles J. Russell
St. Jude Children's Research Hospital, Memphis, TN, USA
- 11:45-12:00 pm Dynamics and parameters of influenza A virus transmission in nursery pigs
Montse Torremorell
College of Veterinary Medicine, University of Minnesota, USA
- 12:00 - 1:30 PM BUFFET LUNCH**
- 1:30 – 4:45 pm Session II: Surveillance and Disease Investigation**
Conveners: **Gregory Gray, Nicola Lewis**
- 1:30 – 2:00 pm Invited Speaker: Investigating the epidemiology of swine-to-human influenza A virus transmission at agricultural fairs**
Andrew Bowman, Ohio State University
- 2:00 - 2:15 pm Antigenic evolution of global swine influenza A viruses and pandemic risk
Divya Venkatesh
University of Cambridge, UK
- 2:15 - 2:30 pm Pathogenesis and transmission of influenza A viruses with dominant H1 genome constellations found in US swine herds
Carine K. Souza
National Animal Disease Center, USDA-ARS, USA
- 2:30 - 2:45 pm Triple reassortant H3N2 with seasonal human H3, pandemic internal genes and N2 of swine origin circulates in Danish swine herds
Lars Erik Larsen
National Veterinary Institute, Technical University of Denmark, Denmark
- 2:45 - 3:00 pm Influenza A surveillance in the pig population of Great Britain (1991-2017)
Sharon M. Brookes
Animal and Plant Health Agency-Weybridge, UK
- 3:00 - 3:15 pm Coffee Break**
- 3:15 - 3:30 pm Genetic and antigenic diversity among recently identified human-like A(H3N2) variant viruses detected in the USA
Joyce Jones
Centers for Disease Control and Prevention, Atlanta, USA
- 3:30 - 3:45 pm Improved surveillance using primary respiratory epithelial cells
Stacey Schultz-Cherry
St Jude Children's Research Hospital, Memphis, USA

- 3:45 - 4:00 pm Surveillance of swine influenza A, B, C and D viruses in Europe 2015-2017
Dinah Henritzi
Friedrich-Loeffler-Institute, Federal Research Institute for Animal Health, Insel
Riems, Germany
- 4:00 - 4:15 pm The other influenza surface glycoprotein: Probing the antigenic differences
between N2 neuraminidase lineages of North American swine influenza A
viruses
Bryan S. Kaplan
National Animal Disease Center, USDA-ARS, Ames, USA
- 4:15 - 4:45 pm **Invited Speaker: Isolation and characterization of a novel influenza A
virus from Rousettus Aegypticus bats**
Ghazi Kayali, Human Link, Lebanon
- 4:45 - 6:30 pm **Poster Session and Drinks Reception**
- 6:30 - late **Dinner at The Grand**

Friday, 20 April 2018

- 8:30 – 12:00 pm **Registration**
- 8:45 – 09:30 am **Keynote: Mechanisms and consequences of influenza A virus host
switching**
Wendy Barclay, Imperial College London
- 9:30 – 12:00 pm **Session III: Clinical and Experimental Virology**
Conveners: Stacey Schulz-Cherry, Susan Detmer, Nitin Virmani
- 09:30 – 10:00 am **Invited Speaker: Development/update of equine influenza vaccines: a
summary of some of the clinical studies and requirements for
registration (and some unexpected events).**
**Romain Paillot, LABEO (Frank Duncombe) – UniCaen (BioTARGEN),
France**
- 10:00 – 10:15 am Development of an in vitro model to study bacterial infection secondary to
influenza A Virus
Janet M Daly
School of Veterinary Medicine and Science, University of Nottingham, UK
- 10:15 - 10:30 am Evolutionarily distinct influenza A viruses show different gene regulation
profiles in equine cells
Julien Amat
MRC - University of Glasgow Centre for Virus Research, Glasgow, UK
- 10:30– 10:45 am Evaluation of equine influenza virus neutralising antibody responses induced
by vaccination using a pseudotype virus based assay
Simon Scott
University of Kent, UK

10:45- 11:00 am Coffee Break

11:00 - 11:15 am The bat influenza H17N10 is neutralized by broadly-neutralizing monoclonal antibodies and its neuraminidase facilitates viral egress
Nigel Temperton
University of Kent, UK

11:15 - 11:30 am *In vivo* evaluation of monovalent vaccines against challenge with a contemporary alpha H1N2 influenza A virus in swine
Susan Detmer
University of Saskatchewan, Canada

11:30 - 11:45 am Novel Vaccines against Swine Influenza A virus
Pauline M. van Dieman
Animal and Plant Health Agency-Weybridge, UK

11:45 - 12:00 pm Transmission of influenza A virus from nurse sows to adopted piglets during lactation
Jorge Garrido Mantilla
College of Veterinary Medicine, University of Minnesota, MN, USA

12:00 - 1:30 PM BUFFET LUNCH

1:30 – 3:45 pm Session IV: Emerging Issues and New Developments
Conveners: Ann Cullinane, Todd Davis, Taki Saito

1:30 – 2:00 pm **Invited Speaker:** Surveillance and pathogenesis of the recently identified influenza D virus
Mariette Ducatez, École Nationale Vétérinaire de Toulouse, France

2:00 - 2:15 pm Attachment of IDV to the respiratory tract of cattle, small ruminants, swine and horse: a call for increased surveillance
Eva Mazzetto
Istituto Zooprofilattico Sperimentale delle Venezie, Italy

2:15 – 2:30 pm Mab-based competitive ELISA for the detection of antibodies against influenza D virus
Ana Moreno
Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia, Italy

2:30 – 2:45 pm Isolation and characterization of equine-like H3 viruses from wild birds in Chile
Stacey Schultz-Cherry
St Jude Children's Research Hospital, Memphis, TN, USA

2:45 – 3:00 pm Outbreaks of influenza of swine and human origin in mink (*Neovison vison*)
Charlotte Kristiane Hjulsager
National Veterinary Institute, Technical University of Denmark, Denmark

3:00 – 3:15 pm Coffee Break

- 3:15 – 3:30 pm H7N2 feline influenza virus evaluated in a poultry model
David L. Suarez
Southeast Poultry Research Laboratory, USDA Athens, GA, USA
- 3:45 – 4:00 pm The evolution and epidemiology of H3N2 canine influenza virus in the USA
and Asia
Colin R. Parrish
Cornell University, USA
- 4:00 – 4:30 pm **Invited Speaker:** Evolution of Swine Influenza Viruses in China
Huachen Zhu, University of Hong Kong
- 4:45 – 5:00 pm **Meeting Summary, Prize Presentation and Close**
Janet Daly and Nicola Lewis

