

Programme

EPIZONE

8th Annual Meeting

23 - 25 September 2014
DGI-Byen
Copenhagen, Denmark



DTU Vet
National Veterinary Institute

EPIZONE
8th Annual Meeting

Day 1: Tuesday, September 23rd 2014
DTU Vet, Bülowsvej 27

9:00 - 17:30 Young EPIZONE

18:30 - 19.30 Registration and welcome desks

19:00 - 22:00 *Welcome drinks and buffet*

Day 2: Wednesday September 24th 2014
DGI-Byen

8:00 - onwards Registration

9:00 - 9:20

Introduction and welcome

Head of Organizing Committee Anette Bøtner
CVO Per Henriksen
Epizone Coordinator Wim van der Poel

Plenary Session

Chair: Graham Belsham

9:20 - 10:00

Keynote: Donald P. King

The consensus and beyond: developing new tools to reconstruct transmission pathways of foot-and-mouth disease virus.

10:00 - 10:40

Keynote: Jean-Claude Manuguerra

New coronaviruses - what next?

10:40 - 11:10 *Coffee break*

Session 1:

Antivirals, vaccines

Room: Nørrebro Runddel
Chairs: Martin Beer &
Thomas Bruun Rasmussen

11:10 - 11:25

Alexander Postel:

Genetically modified viruses as vaccine candidates – Lessons learned from a chimeric Pestivirus

11:25 - 11:40

Mariano Domingo:

The lapinized Chinese CSFV vaccine strain in an endemic situation: Protecting or promoting viral evolution?

11:40 - 11:55

Eefke Weesendorp:

Characterization of immune responses following homologous reinfection of pigs with EU subtype 1 and 3 PRRSV strains that differ in virulence

11:55 - 12:10

Femke Feenstra:

Bluetongue virus without NS3/NS3a expression is avirulent and protects against challenge in a sheep model

12:10 - 12:25

Annel De

Vleeschauer:

Proof-of-concept for the reduction of Foot-and-Mouth disease by an antiviral drug

12:25 - 13:30 *Lunch and poster viewing*

Session 2:

Diagnostics

Room: Skt. Hans Torv
Chairs: Willie Loeffen &
Helen Crooke

Piet A. van Rijn:

A NS3-ELISA accompanying newly developed vaccines for Bluetongue to differentiate infected from vaccinated animals

Cécile Beck:

The Luminex Microsphere immunoassay, a technological innovation for the serological diagnosis of flavivirus infections

Denise Meyer:

A new Concept for the Development of a CSF-DIVA ELISA

Almudena Sánchez-Matamoros:

New Diagnostic Technique for Serological Detection of African Horse Sickness Virus: Luminex Technology

Letizia Ceglie:

Presence of SBV in semen after experimental infection of bulls

Session 3:**Vaccines**

Room: Nørrebro Runddel
Chairs: Günther Keil & Peter M. H. Heegaard

13:30 - 13:45**Ulrik Fahnøe:**

Uncovering of Classical Swine Fever Virus adaptive response to vaccination by Next Generation Sequencing

13:45 - 14:00**Maria Jenckel:**

Characterization of atypical BVDV-2c isolates of a German outbreak using Next generation sequencing

14:00 - 14:15**Willie Loeffen:**

Efficacy of CSF vaccine CP7_E2alf in piglets with maternally derived antibodies

14:15 - 14:30**Julie Gouzil:**

Interaction of Schmallenberg virus (SBV) NSs virulence factor with the cellular Major Vault protein (MVP)

14:30 - 14:45**Graham J. Belsham:**

Targeted modifications of foot-and-mouth disease virus; towards improved vaccine candidates

14:45 - 15:00**Carolyn Dräger:**

CD46 is also a cellular receptor for Classical swine fever virus

15:00 - 15:30 *Coffee and poster viewing***Session 4:****Vector borne diseases**

Room: Skt. Hans Torv
Chairs: Piet van Rijn & Jean-Francois Valarcher

Núria Busquet:

Vector competence of Culex pipiens and Aedes albopictus from Catalonia (Northeastern of Spain) for different arboviruses

Simon Carpenter:

Studies of Culicoides biting midges at the Pirbright Institute: from Genomics to the Field

Stéphan Zientara:

Emergence of Bluetongue virus in Corsica in 2013

Sylvie Lecollinet:

Proline residue at NS3 249 is a primary determinant of West Nile virus virulence in mammals and birds

Jennifer Bernard:

Effect of salivary gland extract of tick Ornithodoros porcinus on African swine fever virus infection in pigs

Derah Saward Arav:

The effect of African swine fever virus and two of its proteins on host MHC class I expression

15:30 - 15:45**Session 5:****Emerging diseases**

Room: Nørrebro Runddel
Chairs: Stéphan Zientara & Mariano Domingo

Sarah White:

Serological Evidence of Equine Influenza Infections among Persons with Horse Exposure in Iowa

Béatrice Grasland:

Preparedness for potential PED emergence in France: Development of diagnostic tools

15:45 - 16:00**16:00 - 16:15****Alice Fusaro:**

A deep insight into an H7N7 highly pathogenic avian influenza epidemic

16:15 - 16:30**Nathalie Kirschvink:**

Passive immunity against Schmallenberg virus in lambs born from naturally infected ewes

16:30 - 16:45**Marta Martínez-Avilés:**

Early detection of trans-boundary animal diseases with a real-time monitoring system online

16:45 - 17:00**Hakan İŞIDAN:**

Spreading Lumpy Skin Disease to the North

17:00 - 19:30 *Coffee and poster viewing***19:30 - 23:00** *Meeting dinner***Session 6:****Epidemiology (I)**

Room: Skt. Hans Torv
Chairs: Stuart Reid & Sandra Blome

Tariq Halasa:

Impact of clinical surveillance during a foot-and-mouth disease epidemic

Lina Mur:

Combination of simulation and statistical modeling to identify factors contributing to ASF endemicity in Sardinia

Francesco Feliziani:

ASF in Sardinia: Regional risk categorization to improve surveillance effectiveness

Claire Guinat:

Experimental transmission of African swine fever virus among domestic pigs and wild boars

Sofie Dhollander:

Expert Knowledge Elicitation on African swine fever in the eastern neighbouring countries of the European Union

Aline de Koeijer:

Method for integral risk assessment of vector-borne livestock infections (MINTRISK)

Day 3: Thursday September 25th 2014
DGI-Byen

8:00 - onwards **Registration**

Plenary Session
Chair: Anette Bøtner

9:00 - 9:40

Keynote: Nils Toft

Big Data and disease monitoring – The next new thing or old news?

9:40 - 10:20

Keynote: Norbert Stockhofe-Zurwieden

High Containment Infrastructure Projects to optimize Animal and Public Health Innovations

10:20 - 10:50 *Coffee and poster viewing*

**Session 7:
Domestic and Wildlife**
Room: Nørrebro Runddel
Chairs: Wim van der Poel & Louise Lohse

10:50 - 11:05

Manjunathareddy Bayyappa:

Wild animal rabies in India: Possibility of species spill over

11:05 - 11:20

Sara Verpoest:

Age and strain dependent differences on the outcome of experimental infections of domestic pigs with Belgian wild boar pseudorabies virus isolates

11:20 - 11:35

Thomas Bruun Rasmussen:

Detection of European bat lyssavirus type 2 in Danish Daubenton's bats

**Session 8:
Epidemiology (II)**
Room: Skt. Hans Torv
Chairs: Yves van der Stede & Tariq Halalsa

Birgit Schauer:

“Surveillance is a public good” – but how public is it?

Eefke Weesendorp:

Quantification of different classical swine fever virus transmission routes within a single compartment

Anette Boklund:

Resource estimations in contingency planning for foot-and-mouth disease

11:35 - 11:50

Deborah Kukielka Zunzunegui:

Constant Hepatitis E virus circulation in wild boar, red deer and Iberian pig in Spain: An 8 years longitudinal study

11:50 - 12:05

Juliette Hayer:

The metagenomic in silico lab: Design, Analysis and Validation of metagenomic investigations

12:05 - 12:20

Maja Malmberg:

Kobuvirus in brains of piglets diagnosed with congenital tremor type A-II

Sarah White:

A Systematic Review and Meta-Analysis to Measure Sero-Prevalence of Influenza A (H9N2) Virus Infection in Humans

Bianca Zecchin:

Identification of the genetic structure of the red fox (*Vulpes vulpes*) population in association to canine distemper and rabies viruses circulating in Northern Italy

Antoine Poskin:

The impact of Schmallenberg in Belgian cattle and sheep: a case-control study

12:20 - 13:30 *Lunch and poster viewing*

Special topic session: ASF (keynotes)

Chair: Frank Koenen

13:30 - 14:10

Keynote: Lina Mur

Epidemiology of ASF in Eastern Europe and the risk derived from it

14:10 - 14:50

Keynote: Sandra Blome

African swine fever in domestic pigs and European wild boar – Experiences from recent animal studies

14:50 - 15:20 *Coffee break*

Special topic session: ASF (short presentations)

Chair: Jose Manuel Sanchez-Vizcaino &
Linda Dixon

15:20 - 15:35

Willie Loeffen:

Suitability of feces samples in a non-invasive sampling strategy to monitor African swine fever virus in wild boar

15:35 - 15:50

Helena Redondo:

Diagnostic tools for rapid detection of ASFV in blood samples: Lateral Flow Assay and Real Time PCR

15:50 - 16:05

Claire Barber:

Defining mechanisms used by African swine fever virus to evade the host stress response

16:05 - 16:20

Günther Keil:

The African swine fever virus ORF I8L which encodes a putative member of the SH2 domain superfamily is not essential for ASFV replication in vitro

16:20 - 16:35

Luisa Arias Neira:

Assessment of the carrier state induced in experimentally infected pigs with African Swine fever (ASF) attenuated and virulent strains.

16:35 - 16:50

Alexsey Igoikin:

Comparative analysis of molecular and biological properties of African swine fever virus isolates collected in 2013 from Russian Federation

16:50 - 17:00

Closing session

End of the 8th Annual EPIZONE Meeting