

New generation researchers in pig viral diseases: building bridges from labs to policy and the farm



Monday, July 12th 2010

09:00 – 10:00 Registration

10.00 – 10:30 Welcome

Professor Carlos Berzosa Rector of the Complutense University of Madrid

Professor Joaquin Goyache Dean of the Faculty of Veterinary Medicine, Complutense University of Madrid

Dr Isabel Minguez Tudela DG RTD, European Commission

Professor Hong Yin Chinese Academy of Agricultural Sciences, P.R. China

Dr Eefke Weesendorp Central Veterinary Institute of Wageningen UR

10:30 – 11:00 **Kazuaki Miyagishima**

The Role of the OIE in the Prevention and Control of Animal Disease

11:00 – 11:30 **Juan Lubroth**

From the test tube to the Millennium Development Goals - application of the research agenda

11:30 – 12:00 **Alex Morrow**

Coordination of research to address the global challenges in animal health

12:00 – 12:30 **Shishan Yuan**

Challenges of viral diseases on pig production in Asia

Lunch 12.30-14.00

FMD and other vesicular diseases

African swine fever

CHAIR: Aldo Dekker

14:00 – 14:30 **Begoña Valdazo-González (United Kingdom)**
Transmission pathways of FMDV using full genome sequences

14:30 – 15:00 **Aldo Dekker (The Netherlands)**
The global dimension

15:00 – 15:30 **Bui Ngoc Anh (Vietnam)**
The Pig Production and the Virology Laboratory of the National Institute for Veterinary Research in Vietnam

CHAIR: JM Sanchez-Vizcaino; Alexandra Elkusova

14:00 – 14:30 **JM. Sánchez-Vizcaino (Spain)**
ASFV: The last adventure

14:30 – 15:00 **Alexander Malogolvkin (Russia)**
Actual situation of ASF in Russia

15:00 – 15:30 **Carmina Gallardo (Spain)**
A general view on ASFV molecular epidemiology and diagnostic Research

Refreshments 15.30-16.00

16:00 – 16:15 **David Lefebvre (Belgium)**
Validation of antibody-based methods to refine, reduce and replace animal testing in foot-and-mouth disease research

16:00 – 17:30 Ideas, discussion and conclusions

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Evening programme:

Visit Royal Palace in Madrid city centre
Dinner at hotel

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Tuesday, 13th July 2010

PRRSV

Pathogenesis and immunity

CHAIR: Hans Nauwynck; Yaxin Wang

09:00 – 09:30 **Wander Van Breedam (Belgium)**

Virus-macrophage interactions or where the pathogenesis of PRRSV starts

09:30 – 10:00 **Lei Zhou (P.R. China)**

The 30-amino-acid deletion in NSP2 of highly pathogenic PRRSV emerging in China is not related to its virulence

10:00 – 10:30 **Enrique Mateu (Spain)**

The fight between PRRSV and the pig's immunity

Zoonotics – JEV, HEV, swine flu

CHAIR: Jabbar Ahmed; Huijin Lu

09:00 – 09:30 **Alessandra Berto (United Kingdom)**

Hep E virus

09:30 – 10:00 **Davide Lelli (Italy)**

Swine Influenza

10:00 – 10:30 **Wen-Bao Qi (P.R. China)**

Isolation and Characterization of H4N8 Avian Influenza Virus from Pigs with Pneumonia in southern China

Refreshments 10.30-11.00

11:00 – 11:15 **Yaxin Wang (P.R. China)**

T-cell epitopes of the matrix protein of PRRSV

11:15 – 11:30 **Helen Singleton (United Kingdom)**

Immunomodulatory effects of EU-PRRSV on porcine monocyte derived dendritic cells and macrophages

11:30 – 12:30 Ideas, discussion and conclusions

11:00 – 11:30 **Xu Zongke (P.R. China)**

Japanese Encephalitis virus Epidemiology situation in China

11:30 – 11:45 **Jabbar Ahmed (Germany)**

Conflutech

11:45 – 12:30 Ideas, discussion and conclusions

Lunch 12.30-14.00

PRRSV

Epidemiology and control

CHAIR: Shishan Yuan; Eefke Weesendorp

14:00 – 14:30 **Shishan Yuan (P.R. China)**

PRRSV vaccine development by reverse genetics, where to start and what to expect

14:30 – 15:00 **Xiaofang Hao (P.R. China)**

What lessons can be learnt from the genetic analysis of Chinese strains

15:00 – 15:30 **Tomasz Stadejek (Poland)**

The complex epidemiology of PRRSV in Europe

PCV2

CHAIR: Gordon Allan; Liping Huan

14:00 – 14:30 **Ken McCullough (Switzerland)**

The immunology of PCV2 infections and disease development

14:30 – 15:00 **Jinxue Long (China)**

Genetic analysis of PCV2 strains in China

15:00 – 15:30 **Paolo Martelli (Italy)**

Control of PCV2-associated diseases by vaccination

Refreshments 15.30-16.00

16:00 – 16:15 **Sophie Morgan (United Kingdom)**

Sequencing of PRRSV isolates, a useful tool in epidemiology

16:15 – 16:30 **Eefke Weesendorp (The Netherlands)**

Development of GP2-mutated PRRSV by reverse genetics for vaccine purposes

16:30 – 16:45 **Athipoo Nuntaprasert (Thailand)**

Herd situation and experience in Thailand to control PRRS

16:45 – 17:30 Ideas, discussion and conclusions

16:00 – 16:30 **Liping Huang (P.R. China)**

Development of an ELISA for the detection of anti-PCV2 antibodies

16:15 – 16:30 **Tamas Tuboly (Hungary)**

PCV2 in rodents.: Epidemiology of possible vectors for PCVD.

16:30 – 16:45 **Katarzyna Podgorska (Poland)**

Profiles of seroconversion to PCV2 in herds of different clinical status

16:45 – 17:15 **Beatrice Grasland (France)**

PCV2 capsid mutants and experimental infections

17:15 – 17:30 **Hans Nauwynck (Belgium)**

PCVD: Everything solved or just started

Evening programme:

Tasting of Spanish delicacies

Flamenco show

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Wednesday, 14th July 2010

Pox, parvo, TGE, EMCV, PCMV...

CHAIR: Francois Madec; Li Feng

09:00 – 09:30

Dongyan Huang (P.R. China)

The potential of swinepox virus recombinant as vector for vaccines

09:30 – 10:00

Jianfei Chen (P.R. China)

Detection and differentiation of coronaviruses

10:00 – 10:30

Ren Xiaofeng (P.R. China)

Characterization of the entry of coronaviruses : examples from human and animal coronaviruses

Classical swine fever

CHAIR : Trevor Drew ; Changchun Tu

09 :00 – 09 :30

Changchun Tu (P.R. China)

The Proteomics of CSF infection

09:30 – 09:50

Anastasia Lange (Germany)

In vitro and *in vivo* determination of cytokine gene expression profiles after infection with classical swine fever virus.

09:50 – 10:10

Yan Zhu (P.R. China)

Antigenic analysis of Chinese CSFVs

10:10 – 10:30

Denise Henrych (Germany)

Epitope mapping of the structural glycoprotein Erns of Classical swine fever virus.

Refreshments 10.30-11.00

11:00 – 11:30

Jinxue Long (P.R. China)

Detection and isolation of novel parvovirus

11:30 – 12:00

Huijun Lu (P.R. China)

Isolation and molecular identification of a novel paramyxovirus isolated in China

11:00 – 11:20

Robert Vrancken (Belgium)

Antivirals and epizootic infections: CSF as a proof-of-concept

11:20 – 11:40

Chao Tong (P.R. China)

Construction of chimeric CSF virus as candidates for development of CSF vaccines

11:40 – 12:00

Xia Feng (P.R. China)

Genetic marker vaccine against classical swine fever

12:00 – 12:20

Eefke Weesendorp (The Netherlands)

Airborne spread of CSF

12:00 – 12:30 Ideas, discussion and conclusions

Closing summary – 12:30

LUNCH 13:00 – 14:00

Afternoon programme:

Possibility to visit the bull ring