

EPIZONE 2017
PARIS - FRANCE

11th EPIZONE Annual Meeting

CROSSING BARRIERS

Programme

19-21 September 2017

Tuesday 19th September 2017

YOUNG EPIZONE MEETING

Room 1

08:00 *Registration and welcome desks*

09:00 WELCOME ADRESSES

Wim van der POEL, Coordinator Epizone
Stéphan ZIENTARA & Marie-Frédérique LE POTIER, Scientific Committee, ANSES, France

10:00 ICE-BREAKING GAME

Laura ZANI, Friedrich-Loeffler-Institut, Germany

11:00 *Coffee break*

11:30 WORKSHOP ON "COMMUNICATION SKILLS"

Baudouin JURDANT, Professor emeritus of science information and communication, Université Paris-Diderot, Lisbonne, Portugal

12:30 *Lunch break at The Loft, into the Cité des sciences*

INVITED SPEAKERS 'COMMUNICATION'

14:00 Clémentine SCHILTE, communication officer, center for translational science, Institut Pasteur, Paris

14:40 Brigitte RAULT, communication on animal experiments, office of animal experimentation, INSERM, Paris

15:20 Sophie FÉLIX, scientific journalism, communication and publishing, Université Paris-Saclay, Paris

16:00 Pauline MAISONNASSE, scientific popularization, IDMIT, Paris

11th EPIZONE ANNUAL MEETING

15:00 *Registration and welcome desks*

19:00 *Welcome cocktail*

Programme

Wednesday 20th September 2017

08:00 **Registration and welcome desks**

09:00

WELCOME ADRESSES - Amphitheatre

Dr Roger GENET, Director General, ANSES, France
Wim van der POEL, Coordinator Epizone
Stéphan ZIENTARA & Marie-Frédérique LE POTIER, Scientific Committee, ANSES, France

09:20

PLENARY SESSIONS - Amphitheatre

KEYNOTE: THE EMERGENCE, PERSISTENCE AND EVOLUTION OF BLUETONGUE VIRUSES IN EUROPE SINCE 1998 - Peter MERTENS
KEYNOTE: RIFT VALLEY FEVER: UNANSWERED QUESTIONS AND UNMET NEEDS - Jeroen KORTEKAAS

10:20 **Coffee break & poster session**

SESSION 1: ARTHROPOD-BORNE DISEASES (ARBOVIRUSES)

Chairs: Stéphan Zientara & Jose Manuel Viscainot - Amphitheatre

11:00

C1 - Natalia Golender - **Novel topotypes of bluetongue serotype 3 viruses in the Mediterranean Basin**

11:15

C2 - Gil Patricia - **First detection of a Mesonivirus in Culex pipens in five countries around the Mediterranean basin**

11:30

C3 - Mazigh Fares - **Pathological modelling of Tick-Borne Encephalitis Virus infection using primary human brain cells derived from fetal neural progenitors**

11:45

C4 - Grégory Caignard - **Interactomic high-throughput mapping for bluetongue virus in its natural hosts to identify new factors of pathogenicity and interspecies transmission**

12:00

C5 - Mathilde Gondard - **Tick-borne pathogens detection in Caribbean ticks using high-throughput microfluidic real-time PCR (DOMOTICK Project)**

12:15

C6 - Belen Borrego - **Propagation in the presence of favipiravir leads to selection of RVFV variants with attenuated phenotype in mice**

SESSION 2: CURRENT CHALLENGES INSIDE EUROPE

Chairs: Benoît Durand & Wim van der Poel - Room 1

C7 - Claude Saegerman - **Risk of introduction of Lumpy Skin Disease in France by the import of cattle**

C8 - Mieke Steensels - **Belgian introduction and re-emergence of HP H5N8 clade 2.3.4.4**

C9 - Marcel Hulst - **Identification of a Novel Reassortant of a Mammalian Orthoreovirus in Faeces of diarrheic pigs in the Netherlands**

C10 - Sylvie Lecollinet - **Case investigation of unexplained infectious meningoencephalitis in animals - a new rotavirus in horses?**

C11 - Lillianne Ganges - **Novel subunit vaccine based in the E2 glycoprotein fused to porcine CD154 prevents classical swine fever virus vertical transmission in pregnant sows**

C12 - Andy Haegeman - **Lumpy skin disease (LSD) vaccine evaluation using an optimized infection model**

12:30 **Lunch break & poster session**

13:45

PLENARY SESSIONS - Amphitheatre

KEYNOTE: LUMPY SKIN DISEASE EPIDEMICS IN EUROPE AND PREVENTIVE AND CONTROL MEASURES FOR AN EFFECTIVE CONTROL OF THE DISEASE - Tsviatko ALEXANDROV

KEYNOTE: PESTE DES PETITS RUMINANTS: STATE OF AFFAIRS AND FUTURE CHALLENGES - Arnaud BATAILLE

SESSION 3: ARTHROPOD-BORNE DISEASES (ARBOVIRUSES)

Chairs: Alejandro Brun & Martin Beer - Amphitheatre

14:45

C13 - Cindy Kundlacz - **Impact of Bluetongue virus on the MAPK/ERK pathway**

15:00

C14 - Oran Erster - **A wolf in lamb's clothing: Detection and isolation of a new infectious Bluetongue serotype from commercial vaccine**

15:15

C15 - Piet A. van Rijn - **Prospects of African horse sickness DISA vaccine platform based on deletion of 77 amino acids in NS3/NS3a protein**

15:30

C16 - Alessio Lorusso - **Antigenic mapping and interaction of recent Italian West Nile and Usutu viruses**

15:45

C17 - Francisco Llorente - **Characterization of serological cross-reactivity between mosquito-borne flaviviruses co-circulating in Europe**

16:00

C18 - Andrey Koltsov - **Development of the typing assays for several BTV serotypes in Russia**

SESSION 4: CURRENT CHALLENGES INSIDE EUROPE

Chairs: Christian Griot & Emmanuel Albina - Room 1

C19 - Kerstin Wernike - **Segment variation of Schmallenberg virus in malformed fetuses is the consequence of immune escape**

C20 - Thierry Morin - **Interest of phylogenetic data and specific diagnostic tools to support management and eradication of Viral Haemorrhagic Septicaemia and Infectious Hematopoietic Necrosis in France**

C21 - Najmul Haider - **Microclimatic temperatures of Danish cattle farms: a better understanding of the variation in transmission potential of Schmallenberg virus**

C22 - A. Alessandro Brogna - **Epidemiological analysis of the lumpy skin disease epidemics in Europe in 2015-2017**

C23 - Efrema Alessandro Foglia - **Prevalence and characterization of Encephalomyocarditis virus (EMCV) in Italy fever virus vertical transmission in pregnant sows**

C24 - Cristina Jurado - **Risk factors for African swine fever persistence in Sardinia**

16:15

KEYNOTE: THE EUROPEAN UNION ANIMAL HEALTH POLICY, NOW AND IN THE FUTURE

Christianne BRUSCHKE - Amphitheatre

16:45 **Coffee break & poster session**

18:45 **Social Event, Cité des sciences, Géode, Paris**

Thursday 21th September 2017

09:00

PLENARY SESSIONS - Amphitheatre

KEYNOTE: FLOWPAD, A GENERIC MICROFLUIDICS PLATFORM FOR A WIDE RANGE OF APPLICATIONS
Remco den DULK

KEYNOTE: AVIAN INFLUENZA VIRUSES: FROM EPIDEMIOLOGY TO HOST JUMP
George GAO

10:15

KEYNOTE: SWARM INCURSION: A REVIEW ON THE 2016/7 HIGHLY PATHOGENIC AVIAN INFLUENZA VIRUS EPIZOOTIC IN EUROPE
Timm HARDER - Amphitheatre

KEYNOTE: EXCHANGE OF PATHOGENS BETWEEN FARMED AND WILD FISH
Niels Jørgen OLESEN - Room 1

10:45 **Coffee break & poster session**

SESSION 5: ANIMAL INFLUENZA VIRUSES

Chairs: Gaëlle Simon & Thierry van den Berg - Amphitheatre

11:15

C25 - François-Xavier Briand - Genetic diversity of French highly pathogenic H5 viruses during 2015-2016

11:30

C26 - Saskia A. Bergervoet - Whole genome sequence analysis of potential between-farm transmitted low pathogenic avian influenza (LPAI) viruses

11:45

C27 - Jean-Luc Guérin - Detection of clade 2.3.4.4. H5N8 HPAI viruses in feather samples in ducks and geese: an assessment on field outbreaks

12:00

C28 - Evelien Germeraad - Development of a multiplex serological assay for Avian Influenza

12:15

C29 - Ana Maria Moreno - Genetic diversity of influenza A virus in Italian pigs in the period 1998-2017

12:30

C30 - Mariette F. Ducatez - Influenza D virus circulation in Europe and Africa

SESSION 6: AFRICAN SWINE FEVER

Chairs: Marie-Frédérique Le Potier & Dolores Gavier-Widen - Room 1

C31 - Grzegorz Woźniakowski - Preparation of African swine fever isolates for CRISPR/Cas9 modification

C32 - Laura Zani - Deletion at the 5'-end of Estonian ASFV strains associated with an attenuated phenotype?

C33 - Jan Hendrik Forth - Detection of Asfarvirus-like sequences in Ornithodoros soft ticks

C34 - Veronica Delicado - Spatio-temporal clusters of ASF with different stages of infection in Lithuania and Poland

C35 - Jolene Carlson - Soil as a vector for African swine fever virus in wild boar populations

C36 - Dolores Gavier-Widen - ASF-STOP: progress and updates from the first year of COST Action "Understanding and combating African Swine Fever in Europe"

12:45 **Lunch break & poster session**

14:00

PLENARY SESSIONS - Amphitheatre

KEYNOTE: CROSSING BARRIERS : THE CASE OF RABBIT HAEMORRHAGIC DISEASE VIRUS 2
Aleksija NEIMANIS

KEYNOTE: CORONAVIRUSES, MASTERS IN JUMPING BETWEEN INTESTINAL, RESPIRATORY AND IMMUNOLOGICAL TARGETS - AN EVOLUTIONARY GAME
Hans NAUWYNCK

SESSION 7: CURRENT CHALLENGES INSIDE EUROPE

Chairs: Thierry Morin & Béatrice Grasland - Amphitheatre

15:00

C37 - Eugénie Bagdassarian - Modulation of the host interferon response by the nonstructural polyprotein ORF1 of hepatitis E virus

15:15

C38 - Justyna Miłek - Gamma- and deltacoronaviruses in wild birds in Poland

15:30

C39 - Thomas Brun Rasmussen - Variations in the full-length genome sequences of porcine epidemic diarrhoea virus strain CV777 as determined by NGS

15:45

C40 - Sarah Gallien - Comparison of the horizontal transmission of a French InDel strain and a US non InDel strain of porcine epidemic diarrhoea virus

16:00

C41 - Sandra Barroso-Arévalo - Immune system: an essential approach to the study of infectious diseases in honey bee colonies

16:15

C42 - Geneviève De Keyser - Detection algorithms in syndromic surveillance: a use case for animal rendering data

SESSION 8: THREATS AT THE EUROPEAN BORDERS

Chairs: Labib Bakkali & Donald King - Room 1

C43 - Pascal Hudelet - Can we eradicate FMD? An industry perspective

C44 - Aurore Romey - Use of lateral flow device for safe and cost-effective shipment of FMDV suspected samples

C45 - Julia Henke - Protection against transplacental transmission of Classical swine fever virus using live marker vaccine "CP7_Ezalf

C46 - Sandrine Blaise-Boisseau - FMDV- Host interaction in a model of persistently infected bovine cells

C47 - Wataru Yamazaki - Highly sensitive detection of PEDV in environmental samples using a new virus concentration technique

C48 - Céline Bahuon - Separate determinants of West Nile virus virulence in mammals and birds

16:30

CONCLUSIONS

Wim van der POEL, Coordinator Epizone
Stéphan ZIENTARA & Marie-Frédérique LE POTIER, Scientific Committee, ANSES, France