

5th European Meeting on Viral Zoonoses

26 – 29 September 2009

St Raphael, France

Saturday, 26 September

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|---------------|---|
| 16.00 – 18.00 | Registration – HOTEL BEST WESTERN LA MARINA |
| 18.15 – 19.15 | Welcome/Introduction - PALAIS DES CONGRES OPENING KEYNOTE ADDRESS: Ron Fouchier Influenza; of birds, pigs, and man (1) |
| 19.30 – 21.30 | Welcome Reception and Buffet Dinner : Hotel Best Western La Marina |

Sunday, 27 September

09.00 – 09.40

KEYNOTE TALK: Heikki Henttonen (2)
Ecology of Puumala hantavirus in Europe

SESSION 1: Ecology, Epidemiology and Evolution

CHAIR: Catherine Cêtre-Sossah and Åke Lundkvist

| Time | Speaker | Title |
|---------------|--|--|
| 09.40 – 10.00 | R. Charrel (3) | Five new phleboviruses (<i>Bunyaviridae</i>) discovered from sandflies in France, Algeria and Tunisia |
| 10.00 – 10.20 | R Hakze-van der Honing/ W. H. M. van der Poel (4) | First discovery of HEV genotype 4 in swine in Europe by characterization of swine sequences, the Netherlands and Belgium |
| 10.20 – 10.40 | V. Tagliapietra (5) | Prevalence and transmission of lymphocytic choriomeningitis virus (family <i>Arenaviridae</i> , genus <i>Arenavirus</i>) in wild rodents in Northern Italy. |
| 10.40 – 11.10 | Coffee and Posters | |
| 11.10 – 11.30 | C. Snoeck (6) | Spread and evolution of avian influenza virus in poultry and wild-birds in Africa |
| 11.30 – 11.50 | J. Klingström (7) | Sex and age predict HFRS prevalence and mortality caused by Puumala virus in Sweden |
| 11.50 – 12.10 | A. Nitsche (8) | Epidemic cowpoxvirus infections in Germany |
| 12.10 – 12.30 | M. Domingo (9) | Sublethal Rift Valley Fever experimental infection in European breed sheep |
| 12.30 – 14.15 | Lunch break | |

Sunday, 27 September

14.15 – 14.55

KEYNOTE TALK: Stuart Nichol (10)

Rats, bats, pigs and arenaviruses and filoviruses

SESSION 2: Ecology, Epidemiology and Evolution contd

CHAIR: Anthony Fooks and Olli Vapalahti

| Time | Speaker | Title |
|---------------|--|--|
| 14.55 – 15.15 | M. Venter (11) | Horses as sentinel animals to detect zoonotic flavi and alphaviruses in Southern Africa. |
| 15.15 – 15.35 | G. E. Olsson (12) | Mapping the risk of tick-borne encephalitis in Sweden |
| 15.35 – 15.55 | J. T. Paweska (13) | Risks for Rift Valley fever introduction into Europe and Mediterranean Basin |
| 15.55 – 16.30 | Coffee and Posters | |
| 16.30 – 16.50 | K. Nemirov (14) | Puumala hantavirus and <i>Myodes glareolus</i> in northern Europe: no evidence of co-divergence between virus and host genetic lineages |
| 16.50 – 17.10 | R. Yanagihara (15) | Reconstructing hantavirus evolution from newly identified talpid-borne hantaviruses |
| 17.10 – 17.30 | A. Tuiskunen (16) | <i>In vitro</i> characterization of human dengue virus isolates separate dengue fever and dengue hemorrhagic fever virus isolates from dengue shock syndrome virus isolate |
| 17.30 – 17.50 | V. Jourmier (17) | Mathematical modelling of infectious disease transmitted by an arthropod |
| 17.50 – 19.30 | POSTER and WINE session sponsored by Fort Dodge | |

Monday, 28 September

09.00 – 09.40

KEYNOTE TALK: Daniel Dunia (18)

Viral interference with neuronal signaling and plasticity: the Bornavirus example

SESSION 3: Basic Virology

CHAIR: Christina Spiropoulou and Noël Tordo

| Time | Speaker | Title |
|---------------|---------------------------|---|
| 09.40 – 10.00 | N. Lopez-Montero (19) | Characterisation of the life-cycle of Bunyamwera virus in <i>Aedes albopictus</i> C6/36 cells |
| 10.00 – 10.20 | A. M. Szemiel (20) | Bunyavirus replication in mosquito cells |
| 10.20 – 10.40 | R. Siu (21) | Characterisation of the interaction of Semliki Forest virus with mosquito cells |
| 10.40 – 11.10 | Coffee and Posters | |
| 11.10 – 11.30 | O. Pernet (22) | Real-time monitoring of Nipah virus entry by macropinocytosis using time-lapse photography |
| 11.30 – 11.50 | J. Hepojoki (23) | Interactions between hantavirus glycoproteins |
| 11.50 – 12.10 | X. Carnec (24) | Role of the Rift Valley fever virus glycoproteins for particle budding and assembly |
| 12.10 – 12.30 | S. Bertram (25) | Role of type II transmembrane serine proteases in activation of human influenza A viruses |
| 12.30 – 14.15 | Cocktail Lunch | |

Monday, 28 September

14.15 – 14.55

KEYNOTE TALK: Karl-Klaus Conzelmann (26)

Activation and control of host innate immunity by rabies virus

SESSION 4: Virus-Host Interactions

CHAIR: Branka Horvat and Richard Elliott

| Time | Speaker | Title |
|---------------|--------------------------------------|--|
| 14.55 – 15.15 | M. Bouloy(27) | Non-structural NSs protein of Rift Valley fever virus interacts with pericentromeric DNA sequences of the host cell inducing chromosome cohesion and segregation defects |
| 15.15 – 15.35 | C. F. Spiropoulou (28) | Hantavirus infection and activation of the vascular endothelium |
| 15.35 – 15.55 | I. Glowacka (29) | Differential downregulation of ACE2 by the spike proteins of SARS-coronavirus and human coronavirus NL63 |
| 15.55 – 16.30 | Coffee and Posters | |
| 16.30 – 16.50 | V. A. Volchkova (30) | Reverse genetics of Nipah virus (NiV): NiV sequesters inactive STAT1 in the nucleus via a P gene-encoded mechanism |
| 16.50 – 17.10 | A. Rang (31) | Hantaviruses modulate innate immune responses via three independent mechanisms |
| 17.10 – 17.30 | A. A. Kraus (32) | PKR but not RNaseL controls the replication of CCHF virus |
| 17.30 – 17.50 | S. Delpout (33) | Binding of Ebola virus VP35 to PKR and its activator PACT disrupts PKR activation |
| 19.30 | Bus departure for Gala Dinner | |
| 19.45 – 23.00 | Gala Dinner | |

Tuesday, 29 September

09.00 – 09.40

KEYNOTE TALK: Luis Enjuanes (34)

SARS-CoV virulence factors and vaccine development

SESSION 5: Immune Responses and Prevention

CHAIR: Michèle Bouloy and Alexander Plyusnin

| Time | Speaker | Title |
|---------------|---------------------------|--|
| 09.40 – 10.00 | J. K. Fazakerley (35) | RNAi is an effective anti-viral response against arboviruses which can spread cell to cell in mosquito cell cultures |
| 10.00 – 10.20 | N. Johnson (36) | Chemokine activation during West Nile virus infection of the brain |
| 10.20 – 10.40 | M. Stoltz (37) | Production of interferon lambda in hantavirus infected cells |
| 10.40 – 11.00 | N. Tordo (38) | Peptides that mimic the amino terminal end of the rabies virus phosphoprotein have antiviral activity |
| 11.00 – 11.30 | Coffee and Posters | |
| 11.30 – 11.50 | C. Mathieu (39) | Gene expression profile of Nipah virus infected human umbilical vein endothelial cells |
| 11.50-12.10 | S. Baize (40) | Early and strong immune responses are associated with control of viral replication and recovery in Lassa-virus-infected cynomolgus monkeys |
| 12.10-12.30 | R. Flick (41) | A replication-incompetent Rift valley fever vaccine: chimeric virus-like particles protect mice and rats against lethal challenge |
| 12.30-12.50 | M. Bublot (42) | Poxvirus-vectored vaccines against influenza in domestic animals |
| 12.50 – 13.10 | J. Plana-Duran (43) | DNA vaccinology in veterinary medicine: Development of equine west nile DNA vaccine and canine rabies dna vaccine |

Close of the Meeting