

# 6th European Meeting on Viral Zoonoses

1- 4 October 2011

Saint-Raphaël, France

Saturday, 1<sup>st</sup> October 2011

16.00 – 18.00	<b>Registration – HOTEL BEST WESTERN LA MARINA</b>
18.15 – 19.15	<b>Welcome/Introduction – PALAIS DES CONGRES</b> <b>OPENING KEYNOTE ADDRESS:</b> <b>Rob RUIGROK, Grenoble, France</b> <i>Structure and function of the influenza virus polymerase (O1)</i>
19.30 – 21.30	<b>Welcome Reception Buffet Dinner: Hotel Best Western La Marina</b>

**Sunday, 2<sup>nd</sup> October 2011**

**09.00 – 09.40**

KEYNOTE TALK: Sarah CLEVELAND, Glasgow, UK

*Ecology of viral zoonoses: from individuals to ecosystems (O2)*

**SESSION 1: Ecology, Epidemiology and Evolution**

**CHAIR:**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>
09.40 – 10.00	M. Hoffmann Hannover, Germany (O3)	Bats as a target to infection by RNA viruses. Get in or stay out!
10.00 – 10.20	Jan Felix Drexler Bonn, Germany (O4)	Evidence for bat origin of GB viruses.
10.20 – 10.40	Lorraine M. McElhinney Weybridge, UK (O5)	Molecular diversity and evolutionary history of rabies virus strains circulating in the Balkans.
10.40 – 11.10	<b>Coffee and Posters</b>	
11.10 – 11.30	Sandra Essbauer München, Germany (O6)	In search for factors driving Hantaviruses studies along an climate-altitude gradient
11.30 – 11.50	Natalie B. Cleton Bilthoven, The Netherlands (O7)	Age related susceptibility of young poultry to Japanese Encephalitis Virus (JEV).
11.50 – 12.10	Laurence Bichaud Marseille, France (O8)	Epidemiologic relationship between Toscana virus infection and <i>Leishmania infantum</i> due to common exposure to <i>Phlebotomus perniciosus</i> sandfly vector.
12.10 – 12.30	Clas Ahlm Umea, Sweden (O9)	Sero-epidemiology, co-morbidity and risk factors for Puumala Hantavirus in a highly endemic area of Sweden.
12.30 – 14.15	<b>Lunch break</b>	

Sunday, 2<sup>nd</sup> October 2011

14.15 – 14.55

**KEYNOTE TALK: Christian DROSTEN, Bonn, Germany**

*Title to be advised (O10)*

**SESSION 2: Ecology, Epidemiology and Evolution**

**CHAIR:**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>
14.55 – 15.15	Barry Atkinson Porton Down, UK (O11)	Detection of pathogenic arboviral zoonoses in Central Asia.
15.15 – 15.35	Sandra Junglen Bonn, Germany (O12)	Genetic diversity and dilution effects during virus emergence from pristine to modified landscapes.
15.35 – 15.55	Sophie Gryseels Antwerpen, Belgium (O13)	Landscape genetics of Mopeia virus and its host, <i>Mastomys Natalensis</i> , in Morogoro Region, Tanzania.
15.55 – 16.30	<b>Tea and Posters</b>	
16.30 – 16.50	Nicole Pavio Maisons-Alfort, France (O14)	Strong identity of Hepatitis E Virus strains isolated in human and animal between 2008 and 2009.
16.50 – 17.10	L. Voutilainen Vantaa, Finland (O15)	Intensive forest management shaping small mammal communities –impact on Puuv Hantavirus dynamics.
17.10 – 17.30	Joëlle Goüy de Bellocq Antwerpen, Belgium (O16)	Arenavirus evolution and transmission at a local scale: Mopeia Virus in Morogoro, Tanzania.
17.30 – 17.50	Richard Yanagihara Honolulu, Hawaii (O17)	Ancestral Soricomorphs as early reservoir hosts of primordial hantaviruses.
17.50 – 19.45	<b>POSTER and WINE session</b>	

## Monday, 3rd October 2011

09.00 – 09.40

**KEYNOTE TALK: Daniel PINSCHEWER, Geneva, Switzerland**

*Title to be advised (O18)*

### **SESSION 3: Virus / Host Interactions (1)**

**CHAIR:**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>
09.40 – 10.00	Johnny Habchi Marseille, France (O19)	Structural disorder within <i>Henipavirus</i> nucleoprotein and phosphoprotein : prediction, experimental assessment and folding coupled to binding.
10.00 – 10.20	Georg Kochs Freiburg, Germany (O20)	The viral nucleoprotein determines influenza A virus escape from MxA restriction.
10.20 – 10.40	Kai Dallmeier Leuven, Belgium (O21)	Dissection of Subgenomic Flaviviral RNA structure and function using a novel yeast genetic system.
10.40 – 11.10	<b>Coffee and Posters</b>	
11.10 – 11.30	Viktor E. Volchkov Lyon, France (O22)	The role of structural protein Vp24 of Ebola and Marburg viruses in anti-oxidative cellular responses.
11.30 – 11.50	Linda Brunotte Freiburg, Germany (O23)	Restricted replication of avian influenza polymerases in mammals is rescued by adaptive mutations in NEP.
11.50 – 12.10	Jussi Hepojoki Helsinki, Finland (O24)	Galectin-3 binding protein interacts with hantavirus and its concentration is elevated in plasma during acute hantavirus infection.
12.10 – 12.30	Marcel Alexandre Müller Bonn, Germany (O25)	Assessment of Sars and Sars-related bat coronavirus accessory proteins as virulence factors.
12.30 – 14.15	<b>Lunch break</b>	

**Monday, 3rd October 2011**

**14.15 – 14.55**

**KEYNOTE TALK: Adolfo GARCIA-SASTRE, New-York, USA**

***Influenza virus/host interactions leading to virus adaptation. (O26)***

**SESSION 4: Virus-Host Interactions (2)**

**CHAIR:**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>
14.55 – 15.15	Pierre Yves Lozach Zurich, Switzerland (O27)	Dynamics during virus entry: DC-SIGN as a receptor for Phleboviruses ( <i>Bunyaviridae</i> ).
15.15 – 15.35	Nathalie Pardigon Paris, France (O28)	The interaction of flavivirus M Protein with light chain Tctex-1 of human dynein plays a role in late stages of virus replication.
15.35 – 15.55	Jonas Klingström Solna, Sweden (O29)	Hantavirus inhibits apoptosis.
15.55 – 16.30	<b>Tea and Posters</b>	
16.30 – 16.50	Julio Rodriguez-Andres Edinburgh, UK (O30)	The phenoloxidase cascade as a novel mosquito innate immune mechanism against arbovirus infection.
16.50 – 17.10	Agnieszka Szemiel St Andrews, UK (O31)	Bunyamwera virus NSs protein in mosquito cells.
17.10 – 17.30	Psylvia Leger Paris, France (O32)	Establishment of persistence in Rift Valley Fever Virus infected mosquito cells is correlated with the down regulation of the nonstructural NSs protein via RNA interference pathway.
17.30 – 17.50	Lesley Bell-Sakyi Edinburgh, UK (O33)	Detection of the RNA silencing pathway in an <i>Ixodes scapularis</i> cell line and its contribution to restrict viral replication.
19.30	<b>Bus departure for Gala Dinner</b>	
19.45 – 23.00	<b>Gala Dinner</b>	

## Tuesday 4th October 2011

**09.00 – 09.40**

**KEYNOTE TALK: Bruno CANARD, Marseille, France**

*Title to be advised (O34)*

### **SESSION 5: Diagnostics, Prevention and Control**

**CHAIR:**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>
09.40 – 10.00	Antti Vaheri Helsinki, Finland (O35)	Complement activation is critically involved in severe Puumala hantavirus infection.
10.00 – 10.20	Sophie Duraffour Leuven, Belgium (O36)	A Novel 1'-Carbon-Substituted 4'-Thiothymidine as promising inhibitor of orthopoxviruses in vitro and in vivo.
10.20 – 10.40	Claudia Filippone Paris, France (O37)	High density DNA resequencing microarrays for the diagnosis/discovery of highly pathogenic viruses: application to Crimean Congo Hemorrhagic Fever Virus outbreaks.
10.40 – 11.00	Jeroen Kortekaas Lelystad, The Netherlands (O38)	One-plasmid system for the efficient production of non-spreading Rift Valley Fever Virus.
11.00 – 11.30	<b>Coffee and Posters</b>	
11.30 – 11.50	Juan-Carlos Saiz Madrid, Spain (O39)	Recombinant West Nile virus envelope protein E and domain III expressed in insect larvae elicit protective antibodies in mice that are vertically transferred to the offspring.
11.50 – 12.10	Kimberly A. Dodd Atlanta, USA (O40)	Single dose RVF-VRP immunization confers complete protection from lethal Rift Valley fever virus infection revealing the importance of viral replication for antiviral immunity.
12.10 – 12.30	Dimitri Lavillette Lyon, France (O41)	Prevention from Chikungunya virus experimental infection in macaques by live attenuated and replicating vaccine.
12.30 – 12.50	Isabelle Leparç-Goffart Marseille, France (O42)	Development of a multivalent vaccine based on tri-segmented Junin Candid #1 virus.
12.50 – 13.10	Brian H. Bird Atlanta, USA (O43)	A Sheep in Wolf's clothing: Rift Valley fever virus vaccine lacking the NSs and NSm genes is safe, non-teratogenic, and confers sterilizing immunity and protection from lethal challenge in adult and pregnant sheep.

**End of the Meeting**