

2012

Confirmed speakers

Yoshihiro Kawaoka | Madison, USA

Jon McCullers | Memphis, USA

Joseph P. Mizgerd | Boston, USA

Juan Ortin | Madrid, Spain

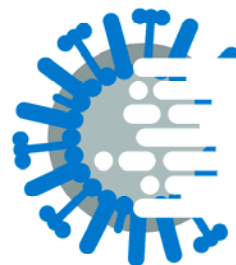
Ron Fouchier | Rotterdam, NL

3rd International Influenza Meeting 2–4 September

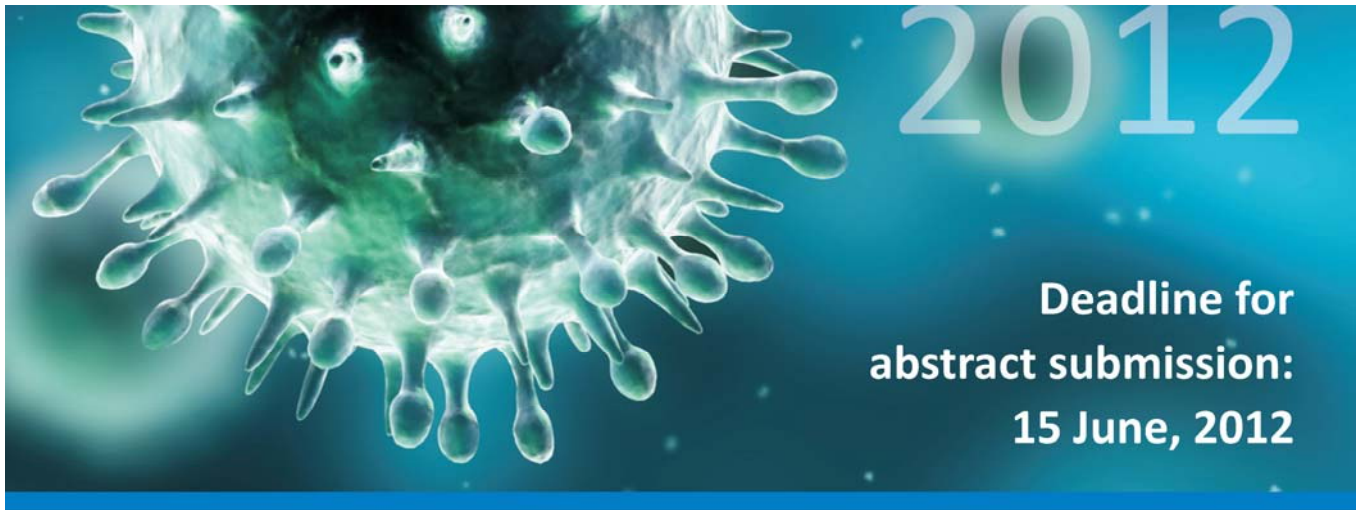


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and Research



FluResearchNet.



Venue and date

University of Münster
Schlossplatz 2 | 48149 Münster, Germany
2–4 September, 2012

Organizer

FluResearchNet and National Research Platform for Zoonoses
c/o Institute of Molecular Virology
Von-Esmarch-Str. 56 | 48149 Münster

Topics

- Influenza and the lung
- Innate immunity
- Pathogenesis
- Vaccines and antivirals
- Virus cell interaction
- Free topics

Scientific committee

Stephan Ludwig | Münster
Klaus Schughart | Braunschweig
Peter Stäheli | Freiburg
Roland Zell | Jena

Registration and abstract submission

Registration and abstract submission
is possible via www.zoonosen.net.

No registration fees will be charged.

Overview program

Sunday, September 2nd, 2012

15.00 Registration

18.00 – 22.00 OPENING

18.00 Welcome note by the president of the Robert Koch Institute Reinhard Burger

Opening of the 3rd International Influenza Meeting by the coordinator of the FluResearchNet Stephan Ludwig

18.15 Opening lecture by Yoshihiro Kawaoka, Madison, USA:
An epic journey to publish ferret H5N1 transmission studies

19.00 Reception at the meeting site (food and drinks)

Monday, September 3rd, 2012

9.00 – 10.30 **Session 1: PATHOGENESIS I** **Chair: Peter Stäheli**

Key-note lecture: *Transmission of Influenza A/H5N1 Virus via Aerosol or Respiratory Droplets between Ferrets*

Ron Fouchier, Rotterdam, Netherlands

Inhibition of Inflammasome Activation in Human Macrophages by Highly Pathogenic Avian Influenza Viruses Caused by Missing M2 Protein Expression

Judith Friesenhagen, Hannover, Germany

Viral Scission Machines: M2-mediated Influenza Virus Budding

Jeremy Rossman, Kent, United Kingdom

An Intermolecular RNA Interaction Required for Selective Packaging of the Segmented Influenza A Genome

Roland Marquet, Strasbourg, France

10.30 Coffee break

11.00 – 12.20 Session 2: THE NS1 PROTEIN AS A MODULATOR OF CELL

RESPONSES

Chair: Stephan Ludwig

The NS1 Protein of Seasonal Influenza A Viruses Inhibits Virus- and IFN-dependent Induction of ISG15 in Human Cells

Jessica Knepper, Berlin, Germany

Influenza A Virus NS1 Induces Re-localisation of Cellular ADAR1 to Nucleoli During Infection

Artur Arikainen, Cambridge, United Kingdom

A Single Point Mutation (Y98F) Within the NS1 of Influenza A Viruses Dramatically Limits Lung Epithelial Cell Tropism and Virulence in Mice

Eike-Roman Hrincius, Muenster, Germany

Influenza B Virus NS1 Protein Controls Riplet-mediated RIG-I Activation

Matthias Budt, Berlin, Germany

12.20 Lunch & Poster viewing

14.00 – 15.20 Session 3: INNATE IMMUNITY

Chair: Martin Schwemmler

Inhibition of Influenza Virus Infectivity In Vivo Using RNA Agonists of the RIG-I Pathway

John Hiscott, Montreal, Canada

Incoming Influenza A Virus Evades the Early Host Recognition – Direct Interferon Induction by Influenza B Virus Entry

Pamela Osterlund, Helsinki, Finland

Evolution-guided Analysis of Human and Non-human Primate MxA Proteins: A Motif in Unstructured Loop L4 is Essential for Antiviral Specificity Against Orthomyxoviruses

Corinna Patzina, Freiburg, Germany

The Mx System of Wild-derived CAST/EIJ Mice Confers Different Degrees of Protection Against Orthomyxoviridae Family Members

Cindy Nürnberger, Freiburg, Germany

15.20 Coffee break

15.50 – 17.40 Session 4: PATHOGENESIS II

Chair: Klaus Schughart

Key-note lecture: *Structural and Functional Studies on the Influenza Virus Replication Machine*

Juan Ortin, Madrid, Spain

The Avian-like PB1 Gene of the 1968 Pandemic Influenza Virus Facilitates Viral Replication and Transmissibility

Isabel Wendel, Marburg, Germany

The Assembly Mechanism of Influenza A Virus Nucleoprotein in Viral Ribonucleoprotein Complexes

Frank Vreede, Oxford, United Kingdom

Mapping the Phosphoproteome of Influenza A and B Viruses by Mass Spectrometry

Edward Hutchinson, Oxford, United Kingdom

Influenza A Virus Replication Can Be Prevented by Inhibition of Viral Ribonucleoproteins Transport

Maria Amorim, Oeiras, Portugal

19.00 Conference diner at the Schloßgarten-Café

Tuesday, September 4th, 2012

9.00 – 10.30 Session 5: INFLUENZA AND THE LUNG

Chair: Thorsten Wolff

Key-note lecture: *Cell-specific Innate Immunity During Lung Infection*

Joseph P. Mizgerd, Boston, USA

Alveolar Epithelial Cells Orchestrate Dendritic Cell Functions by Release of GM-CSF in Murine Viral Pneumonia

Susanne Herold, Gießen, Germany

The Role of Alveolar Type II Epithelial Cells and TLR7 for Bacterial Superinfection Following Influenza

Sabine Stegemann-Koniszewski

Deep Sequencing of Viral Quasispecies of Mammalian Adapted and Aerosol Transmitted Highly Pathogenic Avian Influenza A H5N1 Virus Over Time

Sander van Boheemen, Rotterdam, Netherlands

10.30 Coffee break

11.00 – 12.20 Session 6: VACCINES & ANTIVIRALS Chair: Stephan Pleschka

Induction of Cross-Clade Anti-H5N1 Memory Responses by Vero Cell-Derived H5N1 Whole Virus Vaccines

Otfried Kistner, Orth/Donau, Austria

M2e-based Universal Vaccine Protects Against Influenza A Virus Challenge and Enhances Heterosubtypic Immunity During Subsequent Infections

Michael Schotsaert, Ghent, Belgium

VSV Replicons Expressing H5 Hemagglutinin Induce Broadly Neutralizing Antibodies Directed Against Both the HA1 and HA2 Subunit

Stefan Halbherr, Mittelhäusern, Switzerland

Antiviral Activity of Ladania067 An Extract from Ribes Nigrum Against Influenza A Virus

Emanuel Haasbach, Tuebingen, Germany

12.20 – 14.00 Lunch & Poster viewing

14.00 – 15.30 Session 7: VIRUS CELL INTERACTION CHAIR: Roland Zell

Key-note lecture: *Can PB1-F2 Be Used as a Molecular Signature of Virulence?*

Jon McCullers, Memphis, USA

Fragile X Mental Retardation Protein Stimulates Ribonucleoprotein Assembly of Influenza A Virus

Tao Deng, Beijing, China

TRIM22 Restricts Influenza A Virus Infection

Elisa Vincenzi, Milan, Italy

*Adaptive Mutations in NEP Compensate for Defective H5N1 RNA Replication
in Human Cells*

Peter Reuther, Freiburg, Germany

15.30 – 15.45 *Wrap-up lecture: What's New – What's Exciting?*

Thorsten Wolff, Berlin, Germany

15.45 – 16.00 DISCUSSION AND CLOSING REMARKS