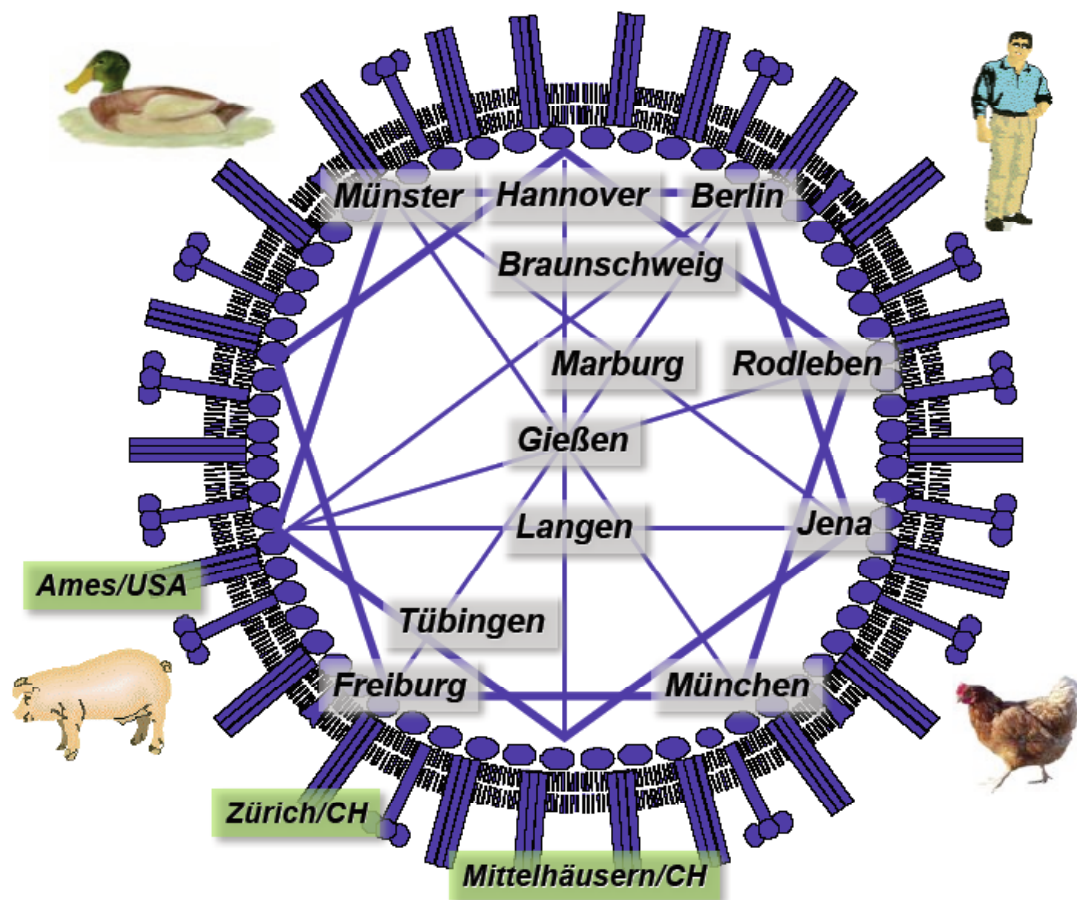


FLURESEARCHNET

Molecular signatures determining pathogenicity and species transmission of influenza A viruses



General Meeting, Münster, June, 10-11, 2008

*Venue: Max-Planck-Institute for Molecular Biomedicine,
Röntgenstrasse 20, 48149 Münster*

PROGRAMME

FLURESEARCHNET

Tuesday, June 10, 2008

10.00 Arrival – Coffee

**11.00 Welcome address –
Report of the coordinator**

**11.30 Keynote lecture:
Thomas C. Mettenleiter, Friedrich-Loeffler-Institute, Greifswald - Insel
Riems
H5N1 Highly Pathogenic Influenza Viruses in Europe - Epidemiology and
Vaccine Development**

**12.15 Short project progress reports (20min+10min. Discussion)
Chair: Stephan Ludwig**

Adaptation of influenza viruses to the respiratory epithelium of new hosts
Darsaniya Punyadarsaniya, Christel Schwegmann-Weßels, and Georg Herrler
Institut für Virologie, Tierärztliche Hochschule Hannover

**Differential gene expression response of endothelial cells to human and avian
influenza virus strains**
Dorothee Viemann¹, Mirco Schmolke², Stephan Ludwig² and Johannes Roth¹
Institute of Immunology¹ and Institute of Molecular Virology², WWU Muenster

13.15 Lunch Break

14. 15 Short project progress reports (20min+10min. Discussion)

Chair: Klaus Schughart

Evading the cytokine burst - Influenza A Virus inhibits type I IFN signaling via NF-kB dependent Induction of SOCS-3 Expression

Eva-K. Pauli¹, Mirco Schmolke¹, Dorothee Viemann², Johannes Roth², Johannes G. Bode³ and Stephan Ludwig¹

Institute of Molecular Virology¹ and Institute of Immunology² WWU Muenster, Lab. of Exp. Hepatology³, HHU Düsseldorf

Identification and characterization of adaptive mutations of the highly pathogenic H5N1 strain KAN-1

Benjamin Mänz^{1, 5}, Daniel Mayer¹, Jürgen Stech², Gülsah Gabriel³, Adolfo Garcia-Sastre⁴, Hans-Dieter Klenk⁵ and Martin Schwemmler¹

¹Department of Virology, University Freiburg, ²Federal Research Institute for Animal Health, Insel Riems, Greifswald, ³Sir William Dunn School of Pathology, University of Oxford, ⁴Department of Microbiology, Mount Sinai School of Medicine, New York, ⁵Institute of Virology, University Marburg

Replication characteristics of LPAIVs and a reassorted HPAIV in primary avian cell cultures and mammalian cell lines.

Stephan Pleschka¹ and Silke Rautenschlein²

Institute for Medical Virology, JLU Gießen¹, Clinic for Poultry, TiHo Hannover²

15.45 Coffee Break

16.15 Short project progress reports (20min+5 min. Discussion)

Chair: Roland Zell

Host susceptibility to H1 influenza subtypes in mammalian species

Barkha Bhatnagar, Paulina Blazejewska and Klaus Schughart

Helmholtz Centre for Infection Research, Braunschweig

Characterisation of pathogenicity determinants of avian H9N2 by reverse genetics

Nina Alex, Constanze Möritz and Ralf Wagner

Paul-Ehrlich-Institut, Langen

Analysis of potential antiviral Mx activity in the chicken

Benjamin Schusser¹, Antje Reuter², Peter Staeheli², Sonja Kothlow¹

¹Institute for Animal Physiology, University of Munich; ²Department for Virology; University of Freiburg

Intranasal administration of interferon-alpha reduces the symptoms of influenza A virus infection in ferrets

Daniela Kugel¹, Georg Kochs¹, Joachim Roth², Darwyn Kobasa³, Michael Gray³, Otto Haller¹, Peter Staeheli¹ & Veronika von Messling⁴

¹Dept. Virology, University of Freiburg, Germany, ²Institute for Veterinary Physiology, University of Giessen, Germany, ³Canadian Centre for Human and Animal Health, Winnipeg, Canada, ⁴Institute Armand-Frappier, University of Quebec, Montreal, Canada

19.00 Get together and Buffett Dinner at the Institute of Molecular Virology

Wednesday, June 11, 2008

9.00 Keynote lecture:

Adolfo Garcia-Sastre, Mount Sinai School of Medicine, New York,
The 1918 Pandemic Influenza Virus: Origin and Virulence

9.45 Short project progress reports (20min+5 min. Discussion)

Chair: Peter Staeheli

Role of hypercytokinemia for pathogenesis after H5N1 influenza A virus infection: Good or evil?

Emanuel Haasbach, Sarah Reiling, Annette Vogel, Karoline Droebner and Oliver Planz
Friedrich-Loeffler-Institut, Institute of Immunology, Tübingen, Germany

Studies on the phylogenetic relationship between amantadine-resistant porcine and human influenza A viruses in Germany

Michaela Schmidtke, Katja Bauer, Nicole Ludwig, Peter Wutzler

Institute of Virology and Antiviral Therapy, University Clinical Center Jena, Friedrich Schiller University Jena

Novel reassortant porcine influenza viruses in Germany

Roland Zell¹, Andi Krumbholz¹, Anja Philipps¹, Susann Motzke¹, Silke Bergmann¹, Ralf Dürrwald², Peter Wutzler¹

¹Institute of Virology and Antiviral Therapy, University Clinical Center Jena, ²IDT Biologika GmbH, Dessau-Rosslau

11.15 Coffee break

11.45 Associated project reports (15min+5 min. Discussion)

Macrophage-Epithelial Interactions during Influenza Virus Pneumonia: Alveolar Recruitment Pathways and Impact on Epithelial Barrier Integrity

Susanne Herold and Jürgen Lohmeyer, University of Giessen Lung Center (UGLC), Giessen

Role of innate immune responses against influenza A viruses in chicken and swine in controlling host change and disease pathogenesis

Artur Summerfield, Michael Bel, Laurence Guzylack, Manuela Macchi, Mathias Liniger
Institute of Virology and Immunoprophylaxis, Mittehäusern, Switzerland

12.25 Lunch

13.30 Keynote lecture:

Hans Dieter Klenk, Institute of Virology, Marburg

Influenza Viruses in Birds and Mammals - Determinants of Host Range and Pathogenicity

13.45 General organisatory issues of network (Stephan Ludwig)

Anfahrt

Anreise mit dem Auto:

Anfahrt über A 1 (Abfahrt Münster-Nord)

- Richtung Münster-Zentrum auf der B 54 fahren.
- Immer geradeaus auf der Steinfurter Straße weiterfahren (ca. 2,5 km).
- In Münster nach rechts in den Orleans-Ring abbiegen.
- Nach 500 m an der nächsten Ampel rechts (Apffelstaedtstraße).
- Nächste Ampel links (Corrensstraße).
- In die zweite Straße rechts einbiegen (Röntgenstraße).
- Linker Hand kommt ein kleiner Kreisel. Geradeaus durchfahren.
- Sofort nach dem Kreisel nach rechts abbiegen.

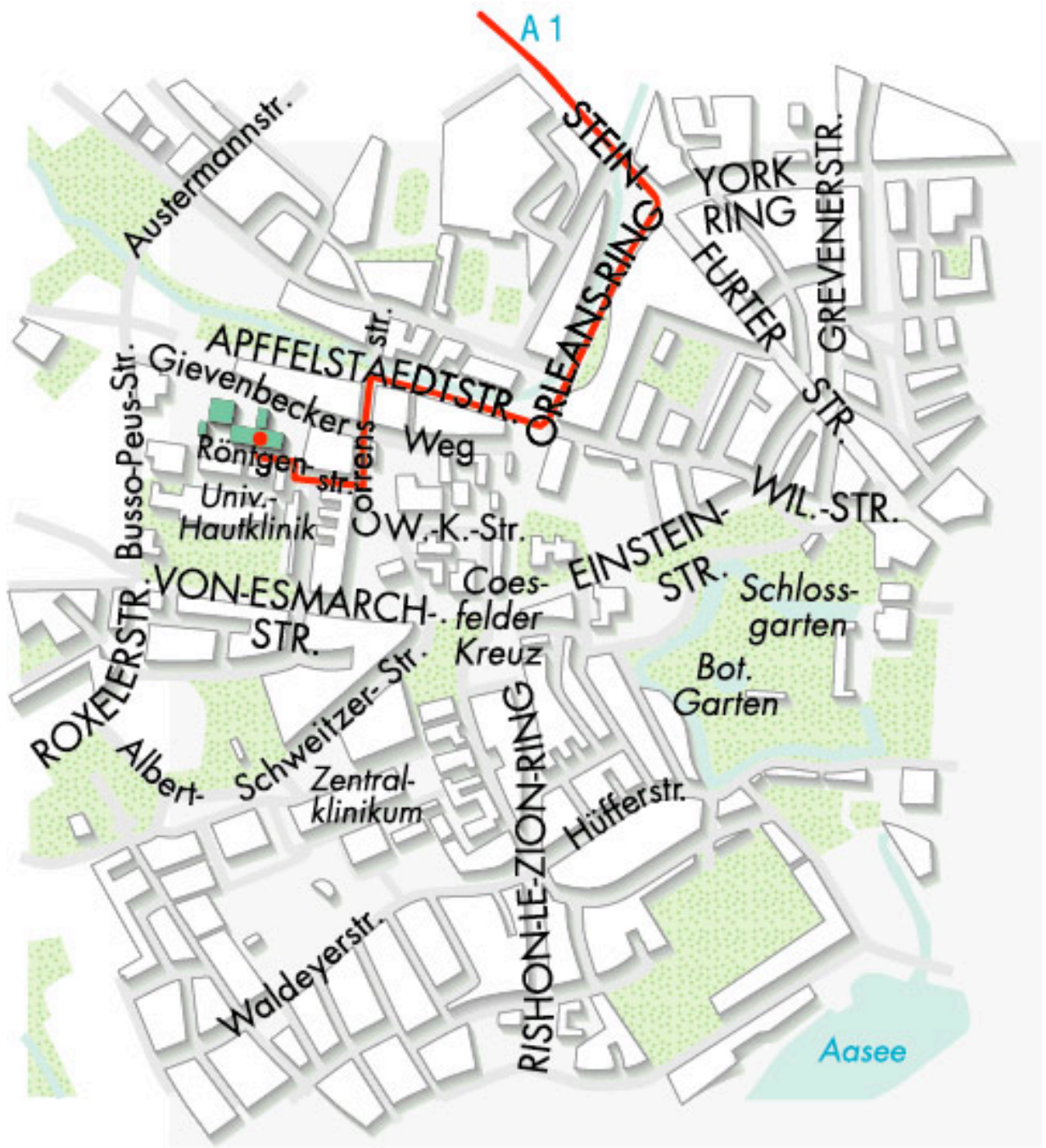
Das Max-Planck-Institut ist auf der rechten Seite nach der Kurve (Anfahrt ab Autobahnausfahrt Münster-Nord: ca. 10 Minuten).

Anreise mit der Bahn

ICE-, IC- und EC-Züge bis Münster Hauptbahnhof

- Stadtbus 4 (Bahnsteig C3 vor dem Hbf) Richtung Münster Alte Sternwarte
oder
- Stadtbus 13 (Bahnsteig B1 vor dem Hbf) Richtung Münster-Eissporthalle

jeweils bis zur Wilhelm-Klemm-Straße. Dann in (Bus-)Fahrtrichtung etwa 100 Meter bis zur Röntgenstraße gehen. In diese abbiegen und ca. 100m geradeaus weitergehen. Dann links durch den Kreisel gehen, nach dem Kreisel rechts abbiegen und der Röntgenstrasse weiter folgen (Linkskurve). Das Max-Planck-Institut liegt auf der rechten Seite (ab Hbf ca. 25 bis 30 Minuten insgesamt).



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***We are very thankful to the following sponsors
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