

4th Swiss Virology Meeting

February 5-6, 2013

Thun

Organizing and Scientific Committee (in alphabetical order)

Angela Ciuffi (University Hospital Center and University of Lausanne)

Monika Engels (University of Zurich)

Cornel Fraefel (University of Zurich)

Urs Greber (University of Zurich)

Stefan Kunz (University Hospital Center and University of Lausanne)

Darius Moradpour (University Hospital Center and University of Lausanne)

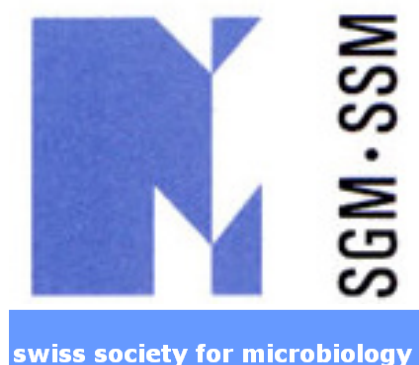
Roberto Speck (University Hospital and University of Zurich)

Amalio Telenti (University Hospital Center and University of Lausanne)

Alexandra Trkola (University of Zurich)

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Program: Tuesday, February 5, 2013

- 10:00 – 10:30 Arrival and Welcome Coffee
- 10:30 – 10:45 Welcome Address *Angela Ciuffi & Stefan Kunz*
- 10:45 – 11:30** **PLENARY TALK SWISS VIROLOGIST ABROAD**
Introduction: Darius Moradpour
Viral and Host Contributions to the Outcome of Hepatitis B Virus Infection
Stefan Wieland (The Scripps Research Institute, La Jolla, CA, USA)
- 11:30 – 13:00** **SESSION I: VIRAL ENTRY AND STRUCTURE**
Chairs: Laurent Roux & Stefan Kunz
- 11:30 – 12:05 *Entry of non-enveloped viruses*
Urs Greber (University of Zurich)
- 12:05 – 12:20 *Thermodynamics Tune the Morbillivirus Membrane Fusion Machinery*
Philippe Plattet (abstract 4)
- 12:20 – 12:35 *Role of the fusion protein in Sendai virus particle formation*
Manel Essaidi-Laziosi (abstract 11)
- 12:35 – 12:50 *Identification of site-specific adaptations conferring increased neural cell tropism during human enterovirus 71 infection*
Caroline Tapparel Vu (abstract 51)
- 13:00 – 14:00 *Sandwich lunch*
- 14:15 – 16:30** **SESSION II: REPLICATION AND INNATE IMMUNITY**
Chairs: Otto Haller & Walter Schaffner
- 14:15 – 14:50 *Coronavirus innate immune evasion – the power of being quiet*
Volker Thiel (Cantonal Hospital of St-Gallen)
- 14:50 – 15:15 *Hepatitis C Virus Nonstructural Protein 4B and Endoplasmic Reticulum: A Reciprocal Influence*
Jérôme Gouttenoire (Lausanne University Hospital and University of Lausanne)
- 15:15 – 15:30 *APOBEC3 restriction of HIV-1 Vif mutants in a humanized mouse model*
Gustavo Gers-Huber (abstract 13)
- 15:30 – 15:45 *Identification of the MxA-nucleocapsid interface involved in restriction of influenza Virus replication by the interferon-induced human MxA protein*
Georg Kochs (abstract 21)
- 15:45 – 16:00 *AAV co-infection manipulates herpesvirus-induced cell cycle distribution to enhance replication*
Rebecca Vogel (abstract 53)
- 16:00 – 18:30** *Coffee Break* and **POSTER SESSION**
- 19:00 – 21:00 *Dinner*

Program: Wednesday, February 6, 2012

7:30 - 8:30

Breakfast

8:45 – 12:10

SESSION III: IMMUNITY, VACCINES, DRUGS

Chairs: Alexandra Trkola & Roberto Speck

8:45 – 9:20

Innate Immune Responses to Hepatitis C Virus Infection

Markus Heim (University of Basel)

9:20 – 9:55

Antiretroviral treatment of HIV-1 infection: a continuous struggle towards success

Huldrych Günthard (University Hospital of Zurich)

9:55 – 10:20

Evolution of a recombinant LCMV/Lassa virus in vivo

Lukas Flatz (Lausanne University Hospital)

10:20 – 10:50

Coffee Break

10:50 – 11:25

Heterosubtypic antibodies to influenza

Lars Hangartner (University of Zurich)

11:25 – 11:40

MDA5 can be exploited as efficacious genetic adjuvant for DNA vaccination against lethal H5N1 influenza virus infection in chickens

Nicolas Ruggli (abstract 25)

11:40 – 11:55

MPER specific DARPins as inhibitors of HIV-1 entry

Emanuel Stiegeler (abstract 50)

11:55 – 12:10

HIV env variable loops 1 and 2 (V1V2): Major regulators of the HIV entry process and antibody evasion during both free virus infection and cell-cell transmission

Oliver Brandenburg (abstract 7)

12:15 - 14:00

Lunch

14:00 – 15:00

POSTER SESSION

15:00 – 17:10

SESSION IV: SYSTEMS BIOLOGY MEETS VIROLOGY

Chairs: Silke Stertz & Amalio Telenti

15:00 – 15:35

Lessons from patterns of virus infection in cell populations

Lucas Pelkmans (University of Zurich)

15:35 – 16:00

From Screen to Gene: Unraveling the Mystery of Poxvirus Genome Uncoating

Jason Mercer (ETH Zurich)

16:00 – 16:25

Dynamics Models in Virology

Angela Ciuffi (Lausanne University Hospital and University of Lausanne)

16:25 – 16:40

Global Haplotype Reconstruction of Gag-Pol HIV-1 Genomes in Mixed Populations

Francesca Di Giallonardo (abstract 8)

16:40 – 16:55

Characterization of human host factors involved in individual entry steps of influenza A virus infection

Thomas Edinger (abstract 10)

16:55 – 17:10

Characterization of the antiviral activity of the Apolipoprotein L6 against retroviruses.

Nitisha Pindiah (abstract 36)

17:10 - 17:15

Farewell Address

17:15 - 18:00

Meeting of the Scientific Committee

ABSTRACTS

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