



Symposium Virology
**Principles of Molecular Biology,
Pathogenesis and Control
of Human Viruses**

September 16th-17th, 2010

University of Zurich
Irchel Campus
Lecture Hall Y04-G-30

Program September 16th

08:30 09:30

Registration
Coffee & refreshment in the Lichthof
Welcome

09:30 09:40 Alexandra Trkola

Session 1

09:40 10:20 Ari Helenius
10:20 11:00 Geoffrey Smith
11:00 11:40 Kai Grünewald
11:40 12:20 Urs Greber
12:20 14:20 Lunch break

Chairs: Lukas Pelkmans; Lars Hangartner
Endocytic pathways of virus entry
Repulsion of superinfecting virions: a mechanism for rapid virus spread
Integrated imaging of virus – host cell interactions
Host requirements for infectious entry of human adenoviruses

Individual lunch
Optional: tours through the Institute of Medical Virology

Session 2

14:20 15:00 K.-K. Conzelmann
15:00 15:40 Silke Stertz

Chairs: Otto Haller; Jovan Pavlovic
Genetics and host cell interplay of mononegavirales
Human host cell factors required for influenza virus replication

15:40 16:00 Coffee

Coffee & refreshment in the Lichthof

Session 3

16:00 16:40 Mike Malim
16:40 17:20 Frank Kirchhoff

Chairs: Heribert Stoiber; Angela Ciuffi
Exploiting replication deficiencies to illuminate HIV host interactions
Function of the primate lentiviral Vpu and Nef proteins

17:20 19:00 Reception

Aperitif in the Atrium/Foyer (drinks and snacks)

Program September 17th

Session 4

08:20 09:00 Adriano Aguzzi
09:00 09:40 W. Ian Lipkin
09:40 10:20 Sebastian Bonhoeffer

Chairs: Stefan Kunz; Karin Metzner
Biology of human prions
Pathogen discovery
The evolutionary systems biology of HIV drug resistance

10:20 10:40 Coffee break

Coffee & refreshment in the Lichthof

Session 5

10:40 11:20 Diane Griffin
11:20 12:00 Eckard Wimmer

Chairs: Volker Thiel; Cornel Fraefel
Measles virus clearance and protective immunity
Recoding vral RNA genomes through chemical Synthesis: Novel genetics and practical applications

12:00 13:00 Lunch break

Individual lunch

Session 6

13:00 13:40 Ralf Bartenschlager

Chairs: Andri Rauch; Roland Regoes
The intimate interaction between the hepatitis C virus and its host cells: viral strategies of exploitation and escape

13:40 14:20 Huldrych Günthard

Insights into transmission of HIV-1: From individuals to the population and back

14:20 14:40 Coffee break

Coffee & refreshment in the Lichthof

Session 7

14:40 15:20 Lars Hangartner
15:20 16:00 Dennis Burton
16:00 16:40 Peter Kwong
16:40 17:20 Rick Koup

Chairs: W.A. Paxton; Jürg Böni
Antibody response to Influenza
HIV, antibodies and vaccine design
Structure and HIV vaccine design
Impact of HIV on TB-specific immunity

17:20 17:30 Alexandra Trkola

Closing