



6th Swiss Virology Meeting

February 2-3, 2016

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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)

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Stefan Kunz (University Hospital Center and University of Lausanne)

Darius Moradpour (University Hospital Center and University of Lausanne)

Matthias Schweizer (University of Bern)

Roberto Speck (University Hospital and University of Zurich)

Caroline Tapparel Vu (University Hospitals Geneva and University of Geneva)

Alexandra Trkola (University of Zurich)

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Tuesday, February 2, 2016

- 10:00 – 10:30 Arrival and Welcome Coffee
- 10:30 – 10:35 Welcome Address *Caroline Tapparel & Angela Ciuffi*
- 10:35 – 11:15** **PLENARY TALK SWISS VIROLOGIST ABROAD (CUSO)**
Introduction: Cornel Fraefel
- Toni Cathomen** - *University Medical Center Freiburg*
Therapeutic genome editing — a tale of designer nucleases and viral vectors
- 11:15 – 12:15** **SESSION I: VIRUSES AS TOOLS (CUSO)**
Chairs: Cornel Fraefel and Ph.D. students
- 11:15 – 11:45 **Janine Reichenbach** - *University Hospital Zurich*
Retroviral gene therapy for primary immunodeficiency
- 11:45 – 12:00 **Léna Royston** – *University of Geneva*
Genetic determinants of phenotypic differences between rhinoviruses and enteroviruses (*abstract 34*)
- 12:00 – 12:15 **Sarah Moeschler** – *University of Bern*
Development of a virus neutralization test for lyssaviruses using propagation-incompetent vesicular stomatitis virus pseudotypes (*abstract 26*)
- 12:15 – 13:00** **Janet MJ Hammond** - *Global Head and Senior Vice President Infectious Diseases Discovery and Translational Area Roche Pharma Research & Early Development*
- 13:00 – 14:00 Sandwich Lunch
Round-table discussion of Ph.D students & postdocs with Dr. Hammond
- 14:00 – 14:15** **Anna Brandenburg** - Presentation LS2
- 14:15 – 16:30** **SESSION II: VIRUSES AS NOVEL AND OLD THREATS**
Chairs: Urs Greber & Jovan Pavlovic
- 14:15 – 14:45 **Laurent Kaiser** - *University Hospital Geneva*
Emerging viruses: Ebola and other unexpected stories
- 14:45 – 15:15 **Volker Thiel** - *Vetsuisse, University of Bern*
The power of being quiet – coronavirus innate immune evasion
- 15:15 – 15:45 **Catherine Eichwald** - *Vetsuisse University of Zurich*
Early events in the formation rotavirus machinery of replication requires association with the molecular motor dynein
- 15:45 – 16:00 **Andrea Spiri** – *University of Zurich*
Molecular characterization of feline caliciviruses from Swiss cats (*abstract 38*)
- 16:00 – 16:15 **Umut Karakus** – *University of Zurich*
Characterization of early events in bat influenza virus infection (*abstract 14*)
- 16:15 – 16:30 **Sylvia Rothenberger** - *Lausanne University Hospital and University of Lausanne*
Development of novel strategies to combat human pathogenic viruses (*abstract 33*)
- 16:30 – 18:30** Coffee Break and **POSTER SESSION**
- 19:00 – 21:00 Dinner

Wednesday, February 3, 2016

7:30 - 8:45	Breakfast
9:00 – 11:00	SESSION III: IMMUNE RESPONSE, ANTIVIRAL THERAPY AND VACCINATION <i>Chairs: Mirco Schmolke & Stefan Kunz</i>
9:00 – 9:30	Artur Summerfield - <i>Vetsuisse, University of Bern</i> Japanese encephalitis virus and pigs – a scary relationship
9:30 – 10:00	Roberto Speck - <i>University Hospital Zurich</i> Humanized mice and their value for studying human pathogens
10:00 – 10:20	Dominique Garcin - <i>University of Geneva</i> LGP2 arbiter of the self and non-self
10:20 -10:40	Ben Hale - <i>University of Zurich</i> Global Reprogramming of Host SUMOylation during Influenza Virus Infection
10:40 – 10:55	Georg Kochs – <i>University of Freiburg</i> Allelic variations in human MxA affect its antiviral activity against influenza A virus (Abstract 16)
10:55 – 11:10	Sylvie Rato – <i>Lausanne University Hospital and University of Lausanne</i> Identification of cellular biomarkers for HIV permissiveness using a single-cell analysis approach (abstract 31)
11:10 – 12:30	Coffee Break and POSTER SESSION
12:30 – 14:00	Lunch at restaurant
14:00 – 16:00	SESSION IV: MEDICAL AND ENVIRONMENTAL VIROLOGY <i>Chairs: David Nadal & Karin Metzner</i>
14:00 – 14:30	Alexandra Trkola - <i>University of Zurich</i> Induction of HIV-1 broadly neutralizing antibodies: The role of host and viral determinants
14:30 – 15:00	Darius Moradpour – <i>Lausanne University Hospital and University of Lausanne</i> Addressing the emerging challenge of hepatitis E
15:00 – 15:20	Alexander Mathis - <i>University of Zurich</i> Arbovirus transmission in Switzerland: the entomological issues
15:20 – 15:35	Laura Truchet – <i>University of Bern</i> Scanning surveillance of neuroinfectious diseases in cattle livestock (abstract 44)
15:35 – 15:50	Dagmara Lewandowska – <i>University of Zurich</i> Resolution of undefined etiology of respiratory infections in lung transplant patients with unbiased metagenomic sequencing (abstract 19)
15:50 – 16:05	Nicole Lenz – <i>University of Bern</i> Dynamics of Tick Borne Encephalitis Virus Quasispecies Populations during vector-to-host-Transmission (abstract 18)
16:05 – 16:15	Best poster award
16:15 – 16:30	Farewell Address

ABSTRACTS

(by alphabetical order of the presenting author)

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