

SFB-Retreat 2019

July 23rd and 24th 2019

Venue: EMBL, Meyerhofstraße 1, 69117 Heidelberg



Program Tuesday, July 23rd 2019

- 09:00 – 12:00 **Kick-off-Meeting** (PhD and Postdocs only) (Building 1D, room 6.51B)
- 12:00 – 13:00 Lunch in the Operon Foyer
- 13:00 – 13:30 **Welcome & Introduction** (Large Operon)
Prof. Dr. Hans-Georg Kräusslich
- 13:30 – 15:10 **Session 1: Malaria (session chair: S. Portugal)**
- P1:** Deciphering the receptor-ligand interplay during rapid motility of *Plasmodium sporozoites*
Prof. Dr. Friedrich Frischknecht, Prof. Dr. Joachim Spatz
- P3:** Protection of malaria by haemoglobin S and C: A quantitative understanding of the cytoadhesion behavior
Prof. Dr. Michael Lanzer, Prof. Dr. Motomu Tanaka
- P4:** Modelling the adhesion of malaria-infected red blood cells
Prof. Dr. Ulrich Schwarz, Prof. Dr. Michael Lanzer
- P18:** Deciphering the regulation of *Plasmodium falciparum* replication
Dr. Markus Ganter, Dr. Silvia Portugal
- Z4:** Advanced Tracking and Image Analysis
Prof. Dr. Fred Hamprecht (presented by Steffen Wolf), PD Dr. Karl Rohr
- 15:10 – 15:40 Coffee Break
- 15:40 – 17:20 **Session 2: Hepatitis (session chair: V.L. Dao Thi)**
- P13:** Impact of virus-induced oscillating stress response on host cell homeostasis
Dr. Alessia Ruggieri
- P16:** Visualization of Hepatitis B Virus entry and spread
Prof. Dr. Stephan Urban, Prof. Dr. D. Grimm
- P17:** Hepatitis E virus trafficking in polarized human pluripotent stem cell-derived hepatocyte-like systems
Dr. Viet Loan Dao Thi
- Z2:** Correlative light and electron microscopy
Dr. Charlotta Funaya, Dr. Yannick Schwab
- P11:** Spatial and temporal coordination of RNA translation, replication and assembly in a membranous plus-strand RNA virus replication factory
Prof. Dr. Ralf Bartenschlager, Prof. Dr. Thomas Höfer
- 17:20 – 17:45 Coffee Break
- 17:45 – 19:15 **Session 3: PhD Students' Poster Session (session chair: I. DeCastro)**
- 19:15 – 20:15 Dinner in the EMBL Canteen
- 20:15 – 21:30 get together

Program Wednesday, July 24th 2019

- 08:30 – 09:00 Morning Coffee and snacks (Operon Foyer)
- 09:00 – 10:40 **Session 4: HIV (session chair: M. Lusic)**
- P20:** Nuclear pore complex and genome organization as determinants of HIV-1 integration and transcription
Dr. Marina Lusic / Dr. Martin Beck
- P6:** Dynamics of events in HIV-1 replication
Prof. Dr. Barbara Müller
- P7:** Pathogen passage through the Nuclear Pore Complex
Prof. Dr. Edward Lemke
- P8:** HIV-1 spread in complex cell systems
Prof. Dr. Oliver Fackler
- P5:** HIV-capture and spread at nanoscopic resolution
Prof. Dr. Hans-Georg Kräusslich
- 10:40 – 11:10 Coffee Break
- 11:10 – 12.50 **Session 5: Influenza and others (session chair: B. Brügger)**
- P14:** Visualizing enteric virus infection of intestinal epithelium: From touchdown to antiviral innate immune response
Dr. Steeve Boulant
- P15:** Nanoscale characterization of integrin-virus interactions
PD Dr. Elisabetta Ada Cavalcanti-Adam, Prof. Dr. Joachim Spatz
- P10:** Membrane lipids and proteins in influenza replication and spread
Prof. Dr. Britta Brügger, Prof. Dr. Hans-Georg Kräusslich
- P19:** Structural analysis of influenza protein-membrane interactions during entry
Dr. Petr Chlanda
- Z3:** Chemical biology tools for infectious disease research
Prof. Dr. Kai Johnsson / presented by Dr. Johannes Broichhagen
- 12:50 – 13:45 Lunch (Operon Foyer)
- 13:45 **End / Departure**