



## SFB-Retreat 2015

July 22nd and 23rd 2015

**Venue:** Schlosshotel Molkenkur, Klingenteichstr. 31, 69117 Heidelberg

### Program Wednesday, July 22nd 2015:

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|---------------|---|
| 12:00 – 13:00 | Lunch   |
| 13:00 – 13:30 | Welcome, introduction, project overview and administrative issues<br><i>Prof. Dr. Hans-Georg Kräusslich</i>   |
| 13:30 – 15:15 | <b>Session 1: Malaria (Coordinator: F. Frischknecht)</b><br><br>P1: Deciphering the receptor-ligand interplay during rapid motility of Plasmodium sporozoites<br><i>Prof. Dr. Friedrich Frischknecht, Prof. Dr. Joachim Spatz</i><br><br>P2: Role of intra- and extracellular host miRNAs as regulators of Plasmodium liver stages<br><i>Dr. Ann-Kristin Mueller, Dr. Dirk Grimm</i><br><br>P3: Protection of malaria by haemoglobin S and C: A quantitative understanding of the cytoadhesion behavior<br><i>Prof. Dr. Michael Lanzer, Prof. Dr. Motomu Tanaka</i><br><br>P4: Modelling the adhesion of malaria-infected red blood cells<br><i>Prof. Dr. Ulrich Schwarz, Prof. Dr. Michael Lanzer</i><br><br>Z4: Tracking software that works<br><i>Prof. Dr. Fred Hamprecht</i> |
| 15:15 – 15:30 | Coffee Break  |
| 15:30 – 17:15 | <b>Session 2: HIV (Coordinator: O. Fackler)</b><br><br>P5: HIV-capture and spread at nanoscopic resolution<br><i>Prof. Dr. Hans-Georg Kräusslich</i><br><br>P6: Dynamics of events in HIV-1 replication<br><i>PD Dr. Barbara Müller</i><br><br>P7: Pathogen passage through the Nuclear Pore Complex<br><i>Dr. Edward Lemke</i><br><br>P8: HIV-1 spread in complex cell systems<br><i>Prof. Dr. Oliver Fackler</i><br><br>Z3: Chemical biology tools for infectious disease research<br><i>PD Dr. Carsten Schultz</i>   |
| 17:15 – 17:30 | Coffee Break  |
| 17:30 – 19:00 | <b>Session 3: PhD Students' Poster Session (Coordinator: A. Imle)</b>   |
| 19:00         | <b>Get-together and dinner</b>  |



**Program Thursday, July 23rd 2015:**

- 08:30 – 10:00           **Session 4: Influenza and others (Coordinators: J. Briggs or S. Boulant)**
- P9: The assembly and spread of influenza virus  
*Dr. John Briggs*
- P10: Membrane lipids and proteins in influenza replication and spread  
*Prof. Dr. Britta Brügger, Prof. Dr. Hans-Georg Kräusslich*
- P14: Visualising reovirus infection in polarised epithelium:  
From touchdown to antiviral innate immune response  
*Dr. Steeve Boulant*
- P15: Nanoscale characterisation of integrin-virus interactions  
*Dr. Elisabetta Cavalcanti-Adam, Prof. Dr. Joachim Spatz*
- 10:00 – 10:15           Coffee Break
- 10:15 – 11:30           **Session 5: Miscellaneous (Coordinator: D. Heidmann)**
- Homepage / Public Relations*  
*PD Dr. Barbara Müller*
- Equal opportunity measures  
*Prof. Dr. Britta Brügger, Dr. Doris Heidmann*
- Other SFB activities and future plans  
*Prof. Dr. Hans-Georg Kräusslich*
- 11:30 – 11:45           Coffee Break
- 11:45 – 13:15           **Session 6: Hepatitis (Coordinator: A. Ruggieri)**
- P11: Spatial and temporal coordination of RNA translation, replication and assembly  
in a membranous plus-strand RNA virus replication factory  
*Prof. Dr. Ralf Bartenschlager, PD Dr. Karl Rohr*
- P13: Impact of virus-induced oscillating stress response on host cell homeostasis  
and immune response induction  
*Dr. Alessia Ruggieri*
- P16: Visualisation of Hepatitis B Virus entry and spread  
*Prof. Dr. Stephan Urban*
- Z2: Correlative light- and electron microscopy of host cell/pathogen interactions  
*Dr. John Briggs*
- 13:15                   Lunch and End**