

# SFB1129 Retreat - online Meeting 2020

Oct 12th and Oct 13th 2020

Venue: CIID ground floor seminar room + Zoom



## Time Schedule

**Monday, Oct 12<sup>th</sup>, 2020**

**09:00 – 16:30**

<b>09:00 – 09:10</b>	Welcome and general remarks	<i>Kräusslich / Fackler / Frischknecht</i>
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**Malaria teams (chair: Markus Ganter)**

**09:10 – 10:40**

<b>09:10 – 09:30</b>	<b>P18:</b> Deciphering the regulation of <i>Plasmodium falciparum</i> replication	<i>Markus Ganter Silvia Portugal</i>
<b>09:30 – 09:50</b>	<b>P3:</b> Protection of malaria by haemoglobin S and C: A quantitative understanding of the cytoadhesion behavior	<i>Michael Lanzer Motomu Tanaka</i>
<b>09:50 – 10:10</b>	<b>P4:</b> Modelling the adhesion of malaria-infected red blood cells	<i>Ulrich Schwarz Michael Lanzer</i>

**10:10 – 10:40 break (+ in room discussions)**

**Z-projects (chair: Charlotta Funaya)**

**10:40 – 11:40**

<b>10:40 – 11:00</b>	<b>Z2:</b> Correlative light and electron microscopy	<i>Charlotta Funaya Yannick Schwab</i>
<b>11:00 – 11:20</b>	<b>Z3:</b> Chemical biology tools for infectious disease research	<i>Kai Johnsson</i>
<b>11:20 – 11:40</b>	<b>Z4:</b> Advanced Tracking and Image Analysis	<i>Fred Hamprecht Karl Rohr</i>

**11:40 – 13:30 break (+ in room discussions)**

**HIV teams (chair: Marina Lusic)**

**13.30 – 15:00**

<b>13:30 – 13:50</b>	<b>P5:</b> HIV-capture and spread at nanoscopic resolution	<i>Hans-Georg Kräusslich</i>
<b>13:50 – 14:10</b>	<b>P6:</b> Dynamics of events in HIV-1 replication	<i>Barbara Müller</i>
<b>14:10 – 14:30</b>	<b>P20:</b> Nuclear pore complex and genome organization as determinants of HIV-1 integration and transcription	<i>Marina Lusic Martin Beck</i>

**14:30 – 15:00 break (+ in room discussions)**

**Pores and lipids (chair: Petr Chlanda) 15:00 – 16:30**

<b>15:00 – 15:20</b>	<b>P7:</b> Pathogen passage through the Nuclear Pore Complex	<i>Edward Lemke</i>
<b>15:20 – 15:40</b>	<b>P10:</b> Membrane lipids and proteins in influenza replication and spread	<i>Britta Brügger Hans-Georg Kräusslich</i>
<b>15:40 – 16:00</b>	<b>P19:</b> Structural analysis of influenza protein-membrane interactions during entry	<i>Petr Chlanda</i>
<b>16:00 – 16:30</b>	<b>in room discussions</b>	

**Tuesday, Oct 13<sup>th</sup>, 2020****09:00 – 13:00****Hepatitis Teams (chair: Viet Loan Dao Thi) 09:00 – 10:30**

<b>09:00 – 09:20</b>	<b>P11:</b> Spatial and temporal coordination of RNA translation, replication and assembly in a membranous plus-strand RNA virus replication factory	<i>Ralf Bartenschlager Thomas Höfer</i>
<b>09:20 – 09:40</b>	<b>P16:</b> Visualization of Hepatitis B Virus entry and spread	<i>Stephan Urban Dirk Grimm</i>
<b>09:40 – 10:00</b>	<b>P17:</b> Hepatitis E virus trafficking in polarized human pluripotent stem cell-derived hepatocyte-like systems	<i>Viet Loan Dao Thi</i>

**10:00 – 10:30 break (+ in room discussions)****Diverse Viruses (chair: Steeve Boulant) 10:30 – 11:20**

<b>10:30 – 10:50</b>	<b>P14:</b> Visualizing enteric virus infection of intestinal epithelium: From touchdown to antiviral innate immune response	<i>Steeve Boulant</i>
<b>10:50 – 11:10</b>	<b>P15:</b> Nanoscale characterization of integrin-virus interactions	<i>Elisabetta Ada Cavalcanti-Adam Joachim Spatz</i>

**11:10 – 11:20 break****Diverse systems (chair: Alessia Ruggieri) 11:20 – 12:20**

<b>11:20 – 11:40</b>	<b>P1:</b> Deciphering the receptor-ligand interplay during rapid motility of <i>Plasmodium sporozoites</i>	<i>Friedrich Frischknecht Joachim Spatz</i>
<b>11:40 – 12:00</b>	<b>P13:</b> Impact of virus-induced oscillating stress response on host cell homeostasis	<i>Alessia Ruggieri</i>
<b>12:00 – 12:20</b>	<b>P8:</b> HIV-1 spread in complex cell systems	<i>Oliver Fackler</i>

<b>12:20 – 13:00</b>	<b>final comments (+ in room discussions)</b>
<b>13:00</b>	<b>End</b>