

## Program CRC 1208 PostDoc Days 2021, 6 & 7 July 2021

All times refer to Central European Summer Time (CEST).

### Tuesday, 6. July 2021

2:00 – 2:30 p.m.	Welcome & Introduction CRC 1208 Lutz Schmitt
2:30 - 3:00 p.m.	CRC1208 Project A06 “Dynamics and trafficking of mGBP protein complexes within membrane compartments” Daniel Degrandi
<i>15 min break</i>	
<b>Session 1</b>	<b>Chair: Nina Prescher</b>
3:15 - 3:30 p.m.	“Insights on membrane fusion learned from early intermediate states” Agata Witkowska, Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP) Berlin,
3:30 - 3:45 p.m.	“Understanding Origin of Membrane Morphological Transformations: Modelling of Membrane Budding and Fission” Rikhia Ghosh, MPI of Colloids and Interfaces, Potsdam
3:45 - 4:00 p.m.	“Identification of protein-lipid interactions using molecular dynamics” Robin Corey, University of Oxford
4:00 - 4:15 p.m.	“Molecular Basis of Antibiotics and Substrates Transport Through Bacterial Porins” Jigneshkumar Dahyabhai Prajapati, Jacobs University Bremen
4:15 – 4:30 p.m.	“Membranes and proteins: More than just functional old mates?” Dario De Vecchi, Ruhr University Bochum
<i>15 min break</i>	
<b>Session 2</b>	<b>Chair: Petra Bauer</b>
4:45 - 5:00 p.m.	“Training and networking for postdocs at HHU” Uta Brunner, JUNO
5:00-5:15 p.m.	„Reconstitution of membrane tethering by the Exocyst complex” Hannes Maib, University of Dundee
5:15 - 5:30 p.m.	“Caveolae mediated lipid uptake and trafficking” Claudia Matthaeus, National Institutes of Health, Bethesda, US
5:30 - 5:45 p.m.	“Transient reduction of lateral mobility during GTPase polarization” Vanessa Fuchs, HHU
5:45 - 6:00 p.m.	“Role of lipids in the early secretory pathway” Noemi Jiménez-Rojo, University of Geneva
6:00 p.m.	Round tables

### Wednesday, 7. July 2021

<b>Session 3</b>	<b>Chair: Jennifer Loschwitz</b>
2:00 – 2:30 p.m.	CRC1208 Project Z02 “Analyzing membranes in space and time” Stefanie Weidtkamp-Peters
2:30-2:45 p.m.	“Mitochondrial ribosomal proteins developed unconventional mitochondrial targeting signals due to structural constraints” Yury Bykov, Weizmann Institute of Science
2:45-3:00 p.m.	“Cristae undergo continuous cycles of membrane remodelling in a MICOS-dependent manner” Arun Kumar Kondadi, HHU
3:00 – 3:15 p.m.	“Ultrastructure of ER membrane remodeling during COPII vesicle formation resolved by correlative light and electron tomography” Alejandro Melero, University of Lausanne
<i>15 min break</i>	
3:30 - 3:45 p.m.	“AGC kinases and MAB4/MEL proteins maintain PIN plasma membrane polarity by limiting lateral diffusion in plant cells” Kasper van Gelderen, Utrecht University
3:45 - 4:00 p.m.	“Breaking down barriers: human guanylate binding protein 1 acts as LPS surfactant and disrupts the bacterial outer membrane” Miriam Kutsch, Duke University, Durham, NC, US
4:00 - 4:15 p.m.	“PI4P production at the plant plasma membrane: A giant protein complex for a tiny lipid” Lise Noack, University of Copenhagen
4:15 – 4:30 p.m.	“Membrane proteins as virulence factors in the Ustilago maydis - maize pathosystem” Florian Altegoer, Philipps-University Marburg
<i>15 min break</i>	
<b>Session 4</b>	<b>Chair: Holger Gohlke</b>
4:45 - 5:15 p.m.	CRC1208 Project B09 “Transport processes across the symbiotic interface in the cercozoan amoeba <i>Paulinella chromatophora</i> ” Eva Nowack
5:15 - 5:30 p.m.	“Sustainable membrane growth in synthetic cells” Marten Exterkate, University of Groningen
5:30 - 5:45 p.m.	“Unity leads to diversity: cell fusion in wall deficient <i>Streptomyces</i> ” Shraddha Shitut, Leiden University
5:45 - 6:00 p.m.	“Small changes - big impact? How Lipid diversity affects signaling” Milena Schuhmacher, MPI of Molecular Cell Biology and Genetics, Dresden
6:00 p.m.	Round tables

## Round tables

Schedule for both days (perhaps with a slight delay due to the splitting up):

6:00-6:20 p.m.	Room a	Room b	Room c
6:20-6:40 p.m.	Room a	Room b	Room c
6:40-7:00 p.m.	Room a	Room b	Room c

Topics on Tuesday, 6 July 2021

Room a	Room b	Room c
Questions about HHU	Questions about CRC 1208	Questions about methods in CRC 1208
Focus examples junior faculty recruitment, career measures, equal opportunity measures HHU	Focus examples general ideas, topics, junior research group, other possibilities as researcher/group leader/W1	Focus examples techniques and applications, cooperations, etc.
Petra Bauer, Chair of MB Train  Uta Brunner, Junior Scientist and International Researcher Center (JUNO) of HHU	Lutz Schmitt, Spokesperson of CRC 1208	Kai Stühler, Head of Molecular Proteomics Laboratory  Stefanie Weidtkamp-Peters, Head of Center of Advanced Imaging

Topics on Wednesday, 7 July 2021

Room a	Room b	Room c
Questions about HHU	Questions about CRC 1208	Questions about CRC 1208 and methods in CRC 1208
Focus examples junior faculty recruitment, career measures, equal opportunity measures HHU	Focus examples of Emmy Noether group integration and career strategy, cooperation in CRC	Focus examples general ideas, topics, junior research group, other possibilities as researcher/group leader/W1, techniques and applications, cooperations, etc.
Petra Bauer, Chair of MB Train  Uta Brunner, Junior Scientist and International Researcher Center (JUNO) of HHU	Eva Nowack, Project leader in CRC 1208	Lutz Schmitt, Spokesperson of CRC 1208