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Training Group of the
SFB 944



IRTG Retreat 2022

Castle Rauischholzhausen

24th to 26th November

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Program

Thursday, 24th November 2022

8:00	Departure from Campus Westerberg (Bus transfer)
8:20	Pickup from Osnabrück Main Station (Bus transfer)
12:00	Arrival and Registration <i>Castle Rauischholzhausen</i>
12:30 – 13:30	Lunch
13:30 – 13:50	Opening Remarks
Session I	(Session Chair: Malte Kellermann)
13:50 – 14:30	Keynote: Eva Herker (Philipps-University Marburg): <i>Lipids go viral: the role of lipid droplets in virus infection</i>
14:30 – 14:50	Oluwatobi Adeosun (Molecular Cell Biology): <i>Characterization of a sphingomyelin-dependent lysosomal repair pathway</i>
14:50 – 15:10	Sylvana Victoria Hüttel (Molecular Infection Biology): <i>Prison break - Deficiency in the mycobacterial acyl-CoA synthetase <i>FACL6</i> exacerbates membrane damage and phagosome escape of <i>M. marinum</i> in <i>D. discoideum</i></i>
15:10 – 15:30	Felix Scharte (Microbiology): <i>Heterogeneity of intracellular <i>Salmonella</i> and the unique cytosolic lifestyle of <i>S. Paratyphi A</i></i>
15:30 – 16:00	Coffee Break
16:00 – 16:30	Flash Poster Presentations I
16:30 – 18:00	Poster Session I & Beverages
18:00 – 18:45	Meet the Speaker Speakers and PhD Students only
18:45	Dinner at <i>Castle Rauischholzhausen</i>
20:00	Pub-Quiz

Friday, 25th November 2022

7:30 – 8:30	Breakfast at <i>Castle Rauischholzhausen</i>
Session II	(Session Chair: Alexandra Nesterova)
8:30 – 9:10	Keynote: Sven Bogdan (Philipps-University Marburg): <i>Molecular control of cell shape and motility - insights from the fly</i>
9:10 – 9:30	Marcel Reinhardt (Zoology): <i>Transition of a basement membrane into the cardiac specific ECM by Lonely heart and Pericardin in Drosophila</i>
9:30 – 9:50	Maren Janz (Zoology): <i>Endosomal maturation in Drosophila nephrocytes depends on a trimeric Rab7 GEF complex</i>
9:50 – 10:10	Jan-Hannes Schäfer (Structural Biology): <i>Structural insights into the assembly of yeast SPOTS complex</i>
10:10 – 10:40	Coffee Break
Session III	(Session Chair: Sonja Titze)
10:40 – 11:20	Keynote: Inga Hänelt (Goethe-University Frankfurt): <i>Potassium transporters and channels in bacterial survival</i>
11:20 – 11:40	Isabelle Watrinet (Biophysics): <i>The role of membrane composition in JAK binding</i>
11:40 – 12:00	Lara Jorde (Structural Biology): <i>Support layer for cryo-electron microscopy grids</i>
12:00 – 12:20	
12:30 – 13:30	Lunch at <i>Castle Rauischholzhausen</i>

Session IV	(Session Chair: Linnet Bischof)
13:30 – 14:10	Keynote: Annette Borchers (Philipps-University Marburg): <i>Of frogs and men: Xenopus neural crest development and human disease</i>
14:10 – 14:30	Samira Klössel (Cellular Communication): <i>Generation of a vacuolar interactome map by cross-linking mass spectrometry and characterization of the role of TLDc domain proteins on V-ATPase function</i>
14:30 – 14:50	Lucia Amado (Cellular Communication): <i>Tethering proteins of the same contact site affect the localization and mobility of each other</i>
14:50 – 15:10	Christian Schröer (Molecular Cell Biology): <i>Molecular dissection of ceramide-induced apoptosis using photocaged ceramides</i>
15:10 – 15:40	Coffee Break
15:40 – 16:10	Flash Poster Presentations II
16:10 – 17:40	Poster Session II & Beverages
17:40 – 18:10	Meet the Speaker Speakers and PhD Students only
18:30	Dinner at <i>Castle Rauischholzhausen</i>

Saturday, 26th November 2022

7:30 – 8:30	Breakfast at <i>Castle Rauischholzhausen</i>
Session V	(Session Chair: Rico Franzkoch)
8:30 – 9:10	Keynote: Volker Dötsch (Goethe-University Frankfurt): <i>Combination of cell-free protein expression, liquid state NMR spectroscopy and Cryo EM for the structure determination of membrane proteins</i>
9:10 – 9:30	Katharina Olschewski (Biochemistry): <i>Regulation of a lipid phosphatase through the autophagy specific kinase Atg1</i>
9:30 – 9:50	Caroline König (Biochemistry): <i>Functional and structural analysis of the HOPS tethering complex</i>
9:50 – 10:10	Julia Seimert (Bioanalytical Chemistry): <i>Determining the cargo spectrum of yeast SNX-BAR sorting complexes by vacuolar proteomics</i>
10:10 – 10:40	Coffee Break
Session VI	(Session Chair: Nataliya Trushina)
10:40 – 11:00	Shirin Kappelhoff (Molecular Cell Biophysics): <i>Structure and regulation of GSDMD pores at the plasma membrane of pyroptotic cells</i>
11:00 – 11:20	René Rasche (Biochemistry & Structural Biology, Münster): <i>GAP together! – Structure and Function of the Heterodimeric RALGAP Complexes</i>
11:20 – 11:40	Leonhard Breitsprecher (iBIOS): <i>Correlative and volumetric EM imaging of inflammatory dynamics in skin vessels</i>
11:40 – 12:00	Closing Remarks & Award Ceremony
12:30 – 13:30	Lunch at <i>Castle Rauischholzhausen</i>
14:00	Departure (Bus transfer)
18:00	Arrival at Campus Westerberg (Bus transfer)

Poster Index

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Poster Session I 24th Nov, 16:30		Poster Session II 25th Nov, 16:10	
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