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IRTG Retreat 2025

Youth hostel DJH Hamburg „Horner Rennbahn“

24 to 26 November 2025

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Program

Monday, 24 November 2025

08:00 – 12:30	Travel, Arrival and Check-In
12:30 – 13:30	Lunch
13:30 – 13:40	Opening Remarks
Session I	(Session Chair: Verena Wolf)
13:40 – 14:20	Keynote: Blanche Schwappach-Pignataro (University Medical Center Hamburg-Eppendorf): <i>AI and the Scientific Literature – where do we stand?</i>
14:20 – 14:40	Nada Elagouri (Biochemistry and Structural Biology): <i>Biochemical characterization of regulation and function of the Rab23 GTPase and the formin-related protein multiple wing hairs</i>
14:40 – 15:00	Tunde Lawal (Biochemistry): <i>The Rab7-like GTPase Ypt7 hypervariable domain contributes to GEF recognition and effector binding</i>
15:00 – 15:20	Elisabeth Südhoff (Molecular Cell Biology): <i>VPS13C initiates lipid transfer and membrane remodeling for efficient lysosomal repair</i>
15:20 – 15:30	Flash Poster Presentations I
15:30 – 16:00	Coffee Break
16:00 – 17:30	Poster Session I
17:30 – 18:00	Meet the Speaker (Focus: “Women in Science”) with Blanche Schwappach-Pignataro & Sabrina Jabs Chair: Verena Wolf
18:00 – 19:30	Dinner
19:30	Pubquiz & Lab Olympics

Tuesday, 25 November 2025

07:00 – 8:30	Breakfast
Session II	(Session Chair: Sebastian Bieker)
8:30 – 9:10	Keynote: Lorenz Adlung (University Medical Center Hamburg-Eppendorf): <i>From Signal Variability to Tissue Plasticity: Quantitative Modelling Across Scales in Cell Fate Dynamics</i>
9:10 – 9:30	Franziska Flottmann (Zoology): <i>The isolation of intact lysosomes from whole flies</i>
9:30 – 9:50	Mia Mönnig (Biophysics): <i>Oncogenic mutations differentially dysregulate stoichiometry and structural organization of G CSFR signaling complexes</i>
9:50 – 10:10	Lena Menzel (Zoology): <i>Meet me at the contact site – The role of Tmem43 at ER-mitochondria contact sites</i>
10:10 – 10:40	Coffee Break
Session III	(Session Chair: Pascal Höhne)
10:40 – 11:20	Keynote: Christian Löw (Centre for Structural Systems Biology Hamburg): <i>Cryo-EM on Solute Carriers – Basic Research and Drug interaction</i>
11:20 – 11:40	Polina Zotova (Structural Biology): <i>Nanodisc assembly with no additional lipids enables membrane protein delipidation: the MsbA example</i>
11:40 – 12:00	Alischa Scholz (Structural Biology): <i>MsbA in Inside-Out vesicles</i>
12:00 – 12:20	Nadine Gehle (Molecular Cell Biophysics): <i>Dynamics and structure of Gasdermin E pores at mitochondrial membranes during cell death</i>
12:20 – 12:30	Flash Poster Presentations II
12:30 – 13:30	Lunch
13:30 – 17:45	Hamburg Harbor cruise Group photo
17:45 – 19:30	Dinner
19:00 – 19:30	Meet the Speaker (Focus: "Science communication") with Lorenz Adlung Chair: Sebastian Bieker
19:30 – 21:00	Poster Session II

Wednesday, 26 November 2025

7:00 – 8:30	Breakfast
Session IV	(Session Chair: Tunde Lawal)
8:30 – 9:10	Keynote: Sabrina Jabs (Institute of Clinical Molecular Biology Kiel): <i>Novel regulators of the Mannose 6-phosphate pathway</i>
9:10 – 9:30	Shi Min Tan (Structural Biology): <i>Structural and Cellular Mechanisms of ABCA2 in Cholesterol Trafficking</i>
9:30 – 9:50	Carolyn Willner (Bioanalytical Chemistry): <i>Yeast Fat1 is targeted to lipid droplets to activate free very long chain fatty acids</i>
9:50 – 10:10	Katharina Sommer (Molecular Cell Biology): <i>Subversion of lipid asymmetry and its impact on plasma membrane plasticity and mechanics</i>
10:10 – 10:40	Coffee Break
Session V	(Session Chair: Dekai Dong)
10:40 – 11:20	Keynote: Sebastian Springer (Constructor University Bremen gGmbH): <i>Intracellular trafficking and endocytosis of MHC class I proteins, the central agents of the cellular adaptive immune response</i>
11:20 – 11:40	Shirley Helms (Microbiology): <i>Dynamic manipulation of functional plasticity of the host cell endosomal system by an intracellular pathogen</i>
11:40 – 12:00	Ana Moura (Structural Biology of Photosynthetic Microorganisms): <i>Structural Diversity of Rhodobacter capsulatus CobS - the AAA+ ATPase Motor of the Aerobic Vitamin B12 Biosynthesis Pathway</i>
12:00 – 12:20	David Dallemer (Structural Biology): <i>Structure of a Surface-layer protein covering Anammox cells</i>
12:20 – 12:40	Pascal Höhne (Organelle Communication): <i>Optogenetic regulation of organelle contact sites</i>
12:40 – 12:50	Closing Remarks & Award Ceremony
12:50 – 13:45	Lunch
13:45 – 18:00	Departure and Travel

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Dekai Dong	9	Rene Leffers	18
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