

## THURSDAY, NOVEMBER 14

8:30 – 9:00 am	Arrival & Registration
9:00 – 9:15 am	“Welcome and introduction to HALOmem”; <b>Milton Stubbs</b> , <i>IWE ZIK HALOmem, Germany</i>
9:15 – 9:30 am	“Greetings”; tba

MEMBRANE PROTEINS
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9:30 – 10:15 am	"From plasma proteins to membrane motors"; <b>Carol V. Robinson</b> , <i>University of Oxford, United Kingdom</i>
10:15 – 10:45 am	<i>Coffee break</i>
10:45 – 11:15 am	“Structural systems biology of nutrient transporters”; <b>Christian Löw</b> , <i>EMBL Hamburg, Germany</i>
11:15 – 11:30 am	"Structural analysis of interaction between lecithin:cholesterol acyltransferase bound to the apolipoprotein A-I belt of high density lipoprotein particles"; <b>Lolita Piersimoni</b> , <i>University of Michigan, USA</i>
11:30 – 11:45 am	"Structural variation in protein complexes revealed by database-wide mapping of chemical cross-links"; <b>Christian Tüting</b> , <i>IWE ZIK HALOmem, Germany</i>
11:45 – 12:15 pm	“Structure and dynamics of ion channels and rhomboid proteases studied by solid-state NMR”; <b>Adam Lange</b> , <i>FMP Berlin, Germany</i>
12:15 – 13:15 pm	<i>Lunch and poster viewing</i>

BIOLOGICAL MEMBRANES
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13:30 – 14:15 pm	“Protein self-organization driving membrane dynamics”; <b>Petra Schwille</b> , <i>MPI for Biochemistry, Martinsried, Germany</i>
14:15 – 14:45 pm	“On the surface but not superficial: Towards a deeper understanding of plasma membrane remodeling”; <b>Ori Avinoam</b> , <i>Weizmann Institute, Israel</i>
14:45 – 15:00 pm	“Lipid interactions and membrane localization of common lipid-conjugated fluorescence probes”; <b>Oskar Engberg</b> , <i>University of Leipzig, Germany</i>
15:00 – 15:30 pm	<i>Coffee break</i>

15:30 – 15:45 pm	“Protein structural mechanisms: conformational change at the membrane”; <b>Maria Hoernke</b> , <i>University of Freiburg, Germany</i>
15:45 – 16:00 pm	“Analyzing membrane affinity of COPII proteins by fluorescence cross-correlation spectroscopy ”; <b>Maria-Teresa Rohde</b> , <i>Martin Luther University Halle-Wittenberg, Germany</i>
16:00 – 16:45 pm	“Cyclic Antimicrobial Peptides: Structure-activity relationship and mode of action on lipid membranes”; <b>Alfred Blume</b> , <i>Martin Luther University Halle-Wittenberg, Germany</i>
17:00 – 18:30 pm	<i>Poster session</i>
From 19:30 pm	<i>Conference dinner at the “Saline”</i>

## FRIDAY, NOVEMBER 15

8:30 – 9:00 am Arrival &amp; Registration

## FUNCTION AT AND ACROSS MEMBRANES

- 9:00 – 9:45 am “Structural and molecular dynamical approaches to understand mysterious mechanistic aspects of a H<sup>+</sup>/multidrug transporter”; **Mikio Tanabe**, *KEK Tsukuba, Japan*
- 9:45 – 10:15 am “Mass spectrometry on membrane protein complexes: going more native”; **Nina Morgner**, *Goethe University Frankfurt, Germany*
- 10:15 – 10:30 am “How do thylakoidal TatBC-receptor complexes keep in shape?”; **Matthias Reimers**, *Martin Luther University Halle-Wittenberg, Germany*
- 10:30 – 11:00 am Coffee break
- 11:00 – 11:45 am “Catch me if you can – Illuminating transport and chaperone complexes in adaptive immunity”; **Robert Tampé**, *Goethe University Frankfurt, Germany*
- 11:45 – 12:00 pm “Membrane interactions of coiled-coil ceptides: implications for lipopeptide mediated vesicle fusion”; **Christian Schwieger**, *Martin Luther University Halle-Wittenberg, Germany*
- 12:00 – 12:15 pm “Mitochondrial dynamics - Mgm1 as a key player of mitochondrial inner membrane remodelling”; **Lea Dietrich**, *MPI for Biophysics, Frankfurt, Germany*
- 12:15 – 14:00 pm Lunch and poster viewing

## RESEARCH AT IWE ZIK HALOMEM

- 14:00 – 14:15 pm "Introduction to ZIK HALOmem"; **Jochen Balbach**, *IWE ZIK HALOmem, Germany*
- 14:15 – 14:45 pm “Structural characterization of native protein complexes and mixtures with cryo-EM”; **Panagiotis Kastiris**, *IWE ZIK HALOmem, Germany*
- 14:45 – 15:00 pm “Comparative structural analysis of native membrane-embedded photosynthetic complexes in prokaryotes using cryo-EM”; **Dmitry A. Semchonok**, *IWE ZIK HALOmem, Germany*

15:00 – 15:15 pm	<i>“Polymer-stabilized lipid-bilayer nanodiscs for electron microscopy of enzymatic pathways”</i> ; <b>Annette Meister</b> , IWE ZIK HALOmem, Germany
15:15 – 16:00 pm	<i>Coffee break and poster viewing</i>
16:00 – 16:30 pm	<i>“Structural mass spectrometry to study the protein organisation of synaptic vesicle membranes”</i> ; <b>Carla Schmidt</b> , IWE ZIK HALOmem, Germany
16:30 – 16:45 pm	<i>“Dynamics and lipid-interactions of Synaptotagmin-1 probed by structural mass spectrometry”</i> ; <b>Julian Bender</b> , IWE ZIK HALOmem, Germany
16:45 – 17:00 pm	<i>“Identification of Coomassie-stained lipids separated by thin-layer chromatography”</i> , <b>Tommy Hofmann</b> , IWE ZIK HALOmem, Germany
17:00 – 18:30 pm	HALOmem poster session