COMPARTMENTAL CONTACT SITES & TRANSPORT PROCESSES

June 17th – 19th, 2018
Max Planck Institute for Experimental Medicine, Hermann-Rein-Str. 3, D-Göttingen

Speakers

Maria Bohnert, Rehovot
Nils Brose, Göttingen
Pedro Carvalho, Oxford
Agnieszka Chacinska, Warszawa
Ralf Erdmann, Bochum
Ruben Fernandez Busnadiego, Martinsried
Dirk Görlich, Göttingen
Volker Haucke, Berlin
Johannes Herrmann, Kaiserslautern
Ed Hurt, Heidelberg
Reinhard Jahn, Göttingen
Stefan Jakobs, Göttingen
Thomas Jentsch, Berlin
Thomas Langer, Köln

Thomas Mettenleiter, Greifswald
Maurizio Molinari, Bellinzona
Walter Nickel, Heidelberg
Nikolaus Pfanner, Freiburg
Ricarda Richter-Dennerlein, Göttingen
Silvio Rizzoli, Göttingen
Marina Rodnina, Göttingen
Maya Schuldiner, Rehovot
Blanche Schwappach, Göttingen
Anne Spang, Basel
Alexander Stein, Göttingen
Antoine Triller, Paris
Peter Walter, San Francisco
Richard Zimmermann, Homburg
Sunday, June 17th

16:00 Welcome!

Session 1  Chair: Peter Rehling

16:05 Stefan Jakobs (Göttingen)  
Focusing on Mitochondria with Super-Resolution Microscopy

16:30 Ruben Fernandez Busnadiego (Martinsried)  
Deciphering the Molecular Architecture of Membrane Contact Sites by Cryo-Electron Tomography

16:55 Volker Haucke (Berlin)  
Phosphoinositide Conversion in Endocytosis and the Endolysosomal System

17:20 Coffee Break

Session 2  Chair: Alexander Stein

17:50 Walter Nickel (Heidelberg)  
A Direct Gateway into The Extracellular Space: Unconventional Secretion of FGF2 through Self-Sustained Plasma Membrane Pores

18:15 Ralf Erdmann (Bochum)  
Protein Import into Peroxisomes: from Yeast to Man

18:40 Silvio Rizzoli (Göttingen)  
Protein Movement in and out of Synapses

Reception for all participants (end: 21.00)
Monday, June 18th

**Session 3**  *Chair: Blanche Schwappach*

09:00  **Thomas Langer** (Köln)  
*Mitochondrial Phospholipid Trafficking*

09:25  **Richard Zimmermann** (Homburg)  
*ER Import/Export and How They Are Connected*

09:50  **Thomas Jentsch** (Berlin)  
*Properties and Roles of the Volume-Regulated Anion Channel VRAC*

10:15  **Coffee Break**

**Session 4**  *Chair: Nuno Raimundo*

10:45  **Nils Brose** (Göttingen)  
*Synaptic Vesicle Docking and Priming Sites and the Dynamic Control of Neuronal Signaling*

11:10  **Ed Hurt** (Heidelberg)  
*Formation and Maturation of Ribosomal Subunits*

11:35  **Nikolaus Pfanner** (Freiburg)  
*Mitochondrial Machineries for Import and Assembly of Proteins*

12:00  **Speakers’ Lunch** for the speakers and SFB1190 PIs only

**Session 5**  *Chair: Markus Bohnsack*

14:00  **Marina Rodnina** (Göttingen)  
*Co-Translational Protein Insertion into The Bacterial Plasma Membrane*

14:25  **Thomas Mettenleiter** (Greifswald)  
*Vesicular Nucleo-Cytoplasmic Transport: Herpesviruses As Pioneers in Cell Biology*

14:50  **Agnieszka Chacinska** (Warszawa, PL)  
*Stress Responses to Mitochondrial Dysfunction*

15:15  **Coffee Break**

**Session 6**  *Chair: Agnieszka Chacinska*

15:45  **Anne Spang** (Basel, CH)  
*Compartmentalisation in the Endocytic System*

16:10  **Maria Bohnert** (Rehovot, IL)  
*Same-Same But Different – Molecular Determinants of Lipid Droplet Diversity*

16:35  **Peter Walter** (San Francisco, USA)  
*(keynote talk) From Protein Folding to Cognition: A Serendipitous Path of Discovery*

19:00  **Speakers’ Dinner** for the speakers and SFB1190 PIs only
Tuesday, June 19th

Session 7  Chair: Michael Meinecke

09:00  Dirk Görlich (Göttingen)  
What Determines the Rate of NPC Passage

09:25  Antoine Triller (Paris, FR)  
The Dynamic Synapse at Mesoscale

09:50  Johannes Herrmann (Kaiserslautern)  
The ER Cooperates with Mitochondria in the Sorting of Mitochondrial Membrane Proteins

10:15  Coffee Break

Session 8  Chair: Maya Schuldiner

10:45  Blanche Schwappach (Göttingen)  
The GET/TRC40 Pathway at the Intersection of Membrane Protein Targeting and Proteostasis

11:10  Alexander Stein (Göttingen)  
Reconstitution of ER-Associated Protein Degradation by the Ubiquitin Ligase Doa10

11:35  Maurizio Molinari (Bellinzona, CH)  
Lysosomal Clearance of Proteasome-Resistant Protein Polymers from the Mammalian ER

12:00  Lunch for all participants

Session 9  Chair: Ralph Kehlenbach

13:00  Pedro Carvalho (Oxford, UK)  
Regulation of the Sites for Organelle Biogenesis at the Endoplasmic Reticulum

13:25  Maya Schuldiner (Rehovot, IL)  
Uncovering the Extent of the Contact Site Proteome

13:50  Reinhard Jahn (Göttingen)  
SNARE-Mediated Fusion of Membranes

14:15  Final Remarks

14:20  Departure