

**Sunday, October 13<sup>th</sup>**

- 3:00 pm      Check-in
- 6:00 pm      Reception (*Lobby*)
- 7:00 pm      Dinner
- 8:00 pm      Refreshments available in Bob's Pub

**NOTE:**  
Meals are in the **Dining Room**  
Talks are in the **Seminar Room**  
Posters are in the **Lobby**

**Monday, October 14<sup>th</sup>**

All talks are **20 min +**  
**10 min** for Q&A

- 7:30 am Breakfast (*service ends at 8:45am*)
- 9:00 am Session 1: Synaptic vesicles and recycling pathways**  
**Chair: Peter McPherson**
- 9:00 am **John Heuser**, Washington University School of Medicine  
*Synaptic vesicle recycling revisited*
- 9:30 am **Pietro V. De Camilli**, HHMI/Yale University  
*Open questions in synaptic vesicle biogenesis and recycling*
- 10:00 am **Erik M. Jorgensen**, HHMI/University of Utah  
*Recycling vesicles at neuronal synapses: Revisiting Heuser and Reese in the 21st century*
- 10:30 am Break
- 11:00 am **Alexander Gottschalk**, Johann Wolfgang Goethe University  
*In vivo synaptic recovery following optogenetic hyperstimulation*
- 11:30 am **Shigeo Takamori**, Doshisha University, Japan  
*Determinants for glutamate loading and re-acidification of synaptic vesicles*
- 12:00 pm **Edwin R. Chapman**, HHMI/University of Wisconsin  
*Synaptotagmin VII functions as a Ca<sup>2+</sup>-sensor for synaptic vesicle replenishment*
- 12:30 pm Lunch (*service ends at 1pm*)
- 2:15 pm Session 2: Clathrin-dynamin dependent endocytosis**  
**Chair: Erik Jorgensen**
- 2:15 pm **Oleg Shupliakov**, Karolinska Institutet  
*Coordination of the synaptic vesicle cycle by scaffolding molecules*
- 2:45 pm **Volker Haucke**, Leibniz Institute for Molecular Pharmacology, Berlin  
*Essential role for endocytic SNARE retrieval in neurotransmission*
- 3:15 pm **Timothy A. Ryan**, Weill Cornell Medical College  
*Cargo sorting during synaptic vesicle retrieval*
- 3:45 pm Break

- 4:15 pm **Peter S. McPherson**, McGill University  
*DENN domain proteins: A diverse family of Rab guanine-nucleotide exchange factors regulating membrane trafficking*
- 4:45 pm **Margaret S. Robinson**, University of Cambridge  
*What does the AP-1 adaptor complex actually do?*
- 5:15 pm **Oliver Daumke**, Max-Delbrück-Center for Molecular Medicine  
*Structure, function and mechanism of dynamin superfamily proteins*
- 5:45 pm Reception and poster viewing
- 6:45 pm Dinner
- 8:00 pm** **Session 3: Cryo-EM**  
**Chair: Oliver Daumke**
- 8:00 pm **Adam Frost**, University of Utah  
*Structural inhibition of dynamin-mediated membrane fission by BAR domain proteins*
- 8:30 pm Refreshments available at Bob's Pub

**Tuesday, October 15<sup>th</sup>**

- 7:30 am Breakfast (*service ends at 8:45am*)
- 9:00 am Session 4: Biophysics**  
**Chair: Timothy A. Ryan**
- 9:00 am **Jürgen Klingauf**, University of Muenster  
*Coupling of exo- and compensatory endocytosis*
- 9:30 am **Ling-Gang Wu**  
*Coupling between exo- and endocytosis*
- 10:00 am **Aurélien Roux**, University of Geneva  
*Role on membrane elasticity in clathrin-mediated endocytosis*
- 10:30 am Break
- 11:00 am **Michael Kozlov**, Tel Aviv University  
*Membrane shaping and remodeling by shallow protein insertions*
- 11:30 am **Bruno Antonny**, CNRS et Université de Nice  
*OSBP uses the metabolic energy of a phosphoinositide to transfer cholesterol between apposed membranes*
- 12:00 pm **Joshua Zimmerberg**  
*Interplay of lipids and proteins in the formation of domains and the remodeling of membranes*
- 12:30 pm Lunch (*service ends at 1pm*)
- 1:10 pm Tour (*optional-meet at reception*)
- 2:00 pm Session 5: Genetics and endocytic sorting**  
**Chair: Volker Haucke**
- 2:00 pm **Patrik Verstreken**, VIB Center for the Biology of Disease  
*Identification of endocytic components using a liposome-based proteome screen*
- 2:30 pm **Kang Shen**, HHMI/Stanford School of Medicine  
*Molecular regulators of vesicle transport determines synapse size*
- 3:00 pm **Yishi Jin**, HHMI/University of California, San Diego  
*optogenetic inhibition of synaptic transmission using mini-singlet oxygen-generator (miniSOG)-mediated protein ablation*

- 3:30 pm Break
- 4:00 pm **Beverly Wendland**, Johns Hopkins University  
*Arp2/3- vs. formin-dependent endocytosis in budding yeast*
- 4:30 pm **Barth Grant**, Rutgers University  
*RAB-10-GTPase-mediated regulation of endosomal phosphatidylinositol-4,5-bisphosphate*
- 5:00 pm **Silvio O. Rizzoli**, European Neuroscience Institute (ENI) Göttingen  
*The molecular organization of the synapse*
- 5:30 pm Reception and poster viewing
- 6:45 pm Dinner
- 8:00 pm** **Session 6: Superresolution microscopy**  
**Chair: Yishi Jin**
- 8:00 pm **Xiaowei Zhuang**, HHMI/Harvard University  
*Super-resolution fluorescence imaging of neurons*
- 8:30 pm Refreshments available at Bob's Pub

**Wednesday, October 16<sup>th</sup>**

- 7:30 am Breakfast (*service ends at 8:45am*)
- 9:00 am Session 7: Endocytic sorting (continued)**  
**Chair: Margaret S. Robinson**
- 9:00 am **Juan S. Bonifacino**  
*Signal-adaptor interactions that mediate polarized sorting in neurons*
- 9:30 am **Mark von Zastrow**, University of California, San Francisco  
*Membrane trafficking of GPCRs in neurons*
- 10:00 am **Robert Edwards**, University of California, San Francisco  
*The origin of synaptic vesicle pools*
- 10:30 am Break
- 11:00 am Keynote Lecture:**  
**Reinhard Jahn**, Max-Planck-Institute for Biophysical Chemistry  
*Synaptic vesicles - maintaining reliable job performance in spite of trafficking*
- 12:00 pm Conclusion and Closing Remarks
- 12:10 pm Lunch and Departure
- 12:30 pm First shuttle to Dulles  
1:30 pm Second shuttle to Dulles  
2:30 pm Last shuttle to Dulles