

**Permeation & Transport Subgroup 2017 Symposium**  
**Saturday, February 11, 2017**  
**New Orleans, Louisiana**  
**1:30 PM- 4:50 PM**  
**Room 219**

*Olga Boudker, Weill Cornell Medical College, Subgroup Chair*

1:30 PM

*Novel molecular mechanism of excitatory neurotransmitter transport inhibition*  
Nicolas Reyes, Institut Pasteur

2:00 PM

*Ins and Outs of the Na,K-ATPase*  
Hanne Poulsen, Aarhus University

2:30 PM

*Mechanism of pH-dependent activation of sodium-proton antiporter NhaA*  
Jana Shen, University of Maryland

3:00 PM **Student Talk**

*Design Of A Glutamate-Activated Potassium Channel Upon Fusion Of The Ligand-Binding Domain Of The Mammalian Ampa Receptor Glua1 To The Channel Pore Of The Viral Atcv-1 Kcv K+ Channel*  
Michael Schönrock, TU Darmstadt, Germany

3:20 PM **Break**

3:30 PM

*Dynamics of glutamate receptor studied with single molecule FRET*  
Vasanthi Jayaraman, University of Texas

4:00 PM

*Unconventional ion-permeation pathways in NavAb and CavAb channels from Molecular Simulations with Polarizable Force-Fields*  
Sergei Noskov, University of Calgary

4:30 PM **Student Talk**

*A Mass-Spectrometry Based Methodology to Unravel The Molecular Mechanisms of Sugar Transport*  
Chloe Martens, King's College London, UK

4:50 PM **Business Meeting**

6:00 PM **Subgroup Dinner (with Membrane Biophysics Subgroup)**

**The Permeation & Transport Subgroup is grateful for support from the following companies:**

