

**Dirk Gillespie**, Rush University Medical Center, Subgroup Chair

**Permeation & Transport Subgroup 2013 Symposium**

**Saturday, February 2, 2013**

**Philadelphia, Pennsylvania**

1:30 PM, Gerhard Hummer, National Institutes of Health

*Water Mediated Membrane Transport: From Channels to Proton Pumps*

2:05 PM, Student Research Highlight: Zachary Johnson, Duke University

*Structural Basis of Selectivity of a Concentrative Nucleoside Transporter*

2:30 PM, Alessio Accardi, Weill Cornell Medical College

*Channeling Your Inner Lipid: Ca<sup>2+</sup> Dependent Phospholipid Scrambling by a TMEM16 Ion Channel*

3:05 PM, Student Research Highlight: Nurunisa Akyuz, Weill Cornell Medical College

*Dynamics of a Glutamate Transporter Homologue at Single Molecule Resolution*

3:30 PM, Edward Yu, Iowa State University

*Structure and Mechanism of the Tripartite CusCBA Heavy-Metal Efflux Complex*