

Marjorie Longo, University of California, Davis, Subgroup Chair

Membrane Structure & Assembly Subgroup 2015 Symposium

Saturday, February 7, 2015

Baltimore, Maryland

- 9:00 AM John Conboy, University of Utah
Phosphatidylglycerol Asymmetry and Translocation in Lipid Membranes
- 9:35 AM Todd R. Graham, Vanderbilt University
Control of Membrane Asymmetry by P4-ATPases
- 10:10 AM Peter Tieleman, University of Calgary, Canada
Computer Simulations of Lipid Flip-Flop and Membrane Asymmetry
- 10:45 AM Coffee Break
- 11:05 AM Mary Kraft, University of Illinois, Urbana-Champaign
Investigating the Mechanisms of Non-Random Sphingolipid Organization in the Plasma Membranes of Fibroblast Cells
- 11:40 AM Edward Lyman, University of Delaware
Molecular Structure and Nanoscale Dynamics of the Liquid-Ordered Phase
- 12:15 PM Lunch Break
- 1:15 PM Christoph Naumann, Indiana University- Purdue University Indianapolis
Probing Membrane Protein Sequestration and Oligomerization in Polymer-Tethered Phospholipid Bilayers Containing Raft-Mimicking Lipid Mixtures
- 1:50 PM Jeanne Stachowiak, University of Texas, Austin
Protein Crowding Modulates the Shape and Content of Curved Membranes and Coated Vesicles
- 2:25 PM Miglena I. Angelova, Pierre and Marie Curie University, France
*Direct Monolayer Packing Imbalance and Phospholipid Flip-Flop: Two Mechanisms of Local Bilayer Deformation.
Application to Mitochondrial Cristae of Wild-Type and Cardiolipin-Deficient Mutant*
- 3:00 PM Coffee Break
- 3:20 PM Patricia Bassereau, Curie Institute, France
Protein Spatial Distribution Depends on Membrane Curvature
- 3:55 PM Guillaume Drin, Institute of Molecular and Cellular Pharmacology, National Center for Scientific Research, France
Structural Basis of Membrane Curvature Recognition by the ALPS Motifs
- 4:30 PM Thompson Award Winner lecture: Scott Feller, Wabash College
Musings at Mid-Career: What Is So Special about Omega-3 Fatty Acids?
- 5:10 PM Subgroup Business Meeting