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