

Biophysical Society 68th Annual Meeting
Membrane Structure and Function Subgroup Symposium
Saturday February 10, 2024
Philadelphia, Pennsylvania

Subgroup Chair: Elizabeth Kelley, National Institute of Standards and Technology, USA

Symposium Time: 9:00 AM - 12:30 PM EST

Symposium Room: 103AB

Subgroup Business Meeting: 12:20 PM

9:00 AM Opening Remarks

9:05 AM Giacomo Fiorin, National Institutes of Health, USA

Computing Free Energies of Membrane Deformation to Quantify the Role of Lipid Composition and Applied Tension in Membrane Morphology

9:30 AM Chia-Lung Hsieh, Academia Sinica, Taiwan

Nanoscale Membrane Dynamics Revealed by Ultrafast Single-Molecule Tracking

9:55 AM Aurelia Honerkamp-Smith, Lehigh University, USA

Membrane Protein Patterning by Flow: Tiny Forces Organize Lipid-Anchored Proteins

10:15 AM Flash Talks: Joshua Lucker, Oluwatoyin Campbell, Miah Turke, Martin Yepes, Tyler Reagle, and Devlin Taylor

10:35 AM Break

10:55 AM Linda Columbus, University of Virginia, USA

Impact of Lipids on Membrane Protein Structure, Function, and Dynamics

11:20 AM Erdinç Sezgin, Karolinska Institutet, Sweden

Developing High-Throughput Methodologies for Measuring Biophysical Properties of Biomembranes

11:45 AM Thomas E. Thompson Award Talk: Edward Lyman, University of Delaware, USA

12:15 PM Closing Remarks

The Membrane Structure and Function Subgroup is grateful for support from the following sponsors:



Larodan

Research Grade Lipids



lipotype

Lipidomics for a better life



HELIIX

BIOTECH