

Biophysical Society 67th Annual Meeting
Membrane Structure and Function Subgroup Symposium
Saturday February 18, 2023
San Diego, California

Subgroup Chair: Ingela Parmryd, University of Gothenburg, Sweden

Symposium Time: 1:30 PM - 5:30 PM PST

Symposium Room: 6B

Subgroup Business Meeting: 5:20 PM

1:30 Opening Remarks

1:35 PM Peter Tieleman, University of Calgary, Canada

Insights into Lipid-Protein Interactions from Computer Simulations

2:00 PM Feng-Ching Tsai, Curie Institute, France

Mechanisms of Curved Membrane Protein IRSp53 Mediated Initiation and Stabilization of Cellular Protrusions

2:25 PM Frances Separovic, University of Melbourne, Australia

Locating Antimicrobial Peptides in Model Membranes and Bacteria Using Solid-State NMR

2:50 PM Marc Pilon, University of Gothenburg, Sweden

AdipoR2 Promotes Fatty Acid Desaturation, Elongation and Incorporation into Phospholipids in Response to Membrane Rigidification

3:15 PM Break

3:30 PM Jeffery Klauda, University of Maryland, USA

Modelling Natural Cell Membranes and How Lipid Asymmetry Influences Structure

3:55 PM Thais Enoki, Cornell University, USA

Insights on Plasma Membrane Asymmetry from Studies of Asymmetric Model Membranes

4:20 PM Toshihide Kobayashi, University of Strasbourg, France

Imaging Cholesterol Depletion at the Plasma Membrane by Methyl-Beta-Cyclodextrin Suggests Preferential Cholesterol Removal from the Inner Leaflet

4:45 PM **Thomas E. Thompson Award Recipient:** Rumiana Dimova, Max Planck Institute of Colloids and Interfaces, Germany

5:15 PM Closing Remarks

5:20 Subgroup Business Meeting

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

