

2021 Membrane Structure and Function Symposium

Monday, February 22, 2021

2:00 PM – 6:00 PM USA Eastern (*held virtually*)

Subgroup Chair: Sarah Veatch, University of Michigan, USA

Part One: Celebrating Foundations

2:10 PM Félix Goñi, Basque Center for Biophysics (EHU), Spain

Can we Dispense with Sphingolipids? Correlation between Membrane Lipid Composition and Biophysical Properties in Sphingolipid-restricted Mammalian Cells

Part Two: Domains in Signaling

2:30 PM Ana J. Garcia-Saéz, University of Cologne, Germany

Interplay between the Cellular Machinery for Apoptosis and Mitochondrial Division

2:45 PM Sarah Shelby, University of Michigan, USA

Immune Receptors and the Membrane Microenvironment

Part Three: Chemical Activity of Membrane Components

3:30 PM Fredric Cohen, Rush University, USA

Dynamic Regulation of the Chemical Potential of Plasma Membrane Cholesterol by Growth Factors

3:45 PM Martin Girard, Max Planck Institute for Polymer Research - Mainz, Germany

Insights into Regulation of Cell Membranes through Regulated Ensembles

4:00 PM Kristen A. Johnson, University of Texas - Southwestern, USA

Cholesterol Accessibility in Membranes

Part Four: Protein Phase Separation at Membranes

4:30 PM Benjamin Machta, Yale University, USA

(Pre)Wetting of Protein Droplets to Critical Membranes

4:45 PM Feng Yuan, University of Texas - Austin, USA

Membrane Bending by Protein Phase Separation

Part Five: Thompson Award

5:35 PM Markus Deserno, Carnegie Mellon University, USA