

**Membrane Structure & Function 2019 Symposium**

**Saturday March 2, 2019**

**Baltimore, Maryland**

**1:00 PM – 6:00 PM**

**Convention Center Room: Ballroom I**

**Subgroup Chair: Ilya Levental, University of Texas Health Science Center**

1:00 PM to 1:05 PM

**Opening Remarks**

1:05 PM to 1:35 PM

Jay Groves, University of California, Berkeley, USA

**Nanoparticle-supported Lipid Bilayers: A Platform for Interrogating Lipid-Protein Interactions at Highly Curved Surfaces**

1:35 PM to 2:05 PM

Claudia Steinem, University of Göttingen, Germany

**Pore-spanning membranes: A versatile tool to investigate dynamic processes of lipid bilayers**

2:05 PM to 2:35 PM

Alex Sodt, NIH – NICHD, Bethesda, MD, USA

**Deciphering nanometer-scale lipid structure and physics to model membrane reshaping**

2:35 PM to 12:50 PM

Robert Ernst, University of Maryland, Baltimore, USA

**Genetically encoded membrane property sensors interrogate cellular membranes with remarkable sensitivity**

3:15 PM to 3:30 PM

Itay Budin, University of California, Berkeley, USA

**Cellular functions for membrane viscosity revealed by lipid engineering efforts**

3:30 PM to 4:00 PM

Akihiro Kusumi, Okinawa Institute of Science & Technology, Japan

**Signal transduction by metastable molecular complexes: findings by single-molecule tracking**

4:00 PM to 4:30 PM

Jenifer Thewalt, Simon Fraser University, Burnaby, BC, Canada

**Using deuterium NMR to study sterols & phospholipids - is it just a phase?**

4:30 PM to 5:00 PM

Maria Garcia-Parajo, ICFO Institute of Photonic Sciences, Barcelona, Spain

**Nanophotonic tools to resolve nanoscale dynamics on biological membranes**

5:00 PM to 5:40 PM

Dimitrios Stamou, University of Copenhagen, Denmark

**Thomas E. Thompson Award: Biological heterogeneity, a phenotypic trait that we harvested to investigate membranes and membrane proteins**

5:40 PM to 6:00 PM

**Closing Remarks & Subgroup Business Meeting**

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

