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: