

2021 Membrane Fusion, Fission, and Traffic Symposium

Monday, February 22, 2021

10:00 AM – 2:00 PM USA Eastern (*held virtually*)

Subgroup Chair: Jenny Hinshaw, National Institute of Diabetes
and Digestive Kidney Diseases, NIH, USA

Presentations:

10:05 AM - David DiGregorio, Institut Pasteur, France

Mechanisms Underlying the Diversity of Calcium-dependent Synaptic Vesicle Fusion Dynamics

10:30 AM - Dragomir Milovanovic, German Center for Neurodegenerative Diseases (DZNE), Germany

A Phase of Synapsin and Synaptic Vesicles Recruits Alpha-Synuclein

10:55 AM - Elizabeth Chen, University of Texas - Southwestern, USA

Mechanical Tension Drives Cell-Cell Fusion

11:35 AM - Gregory Melikian, Emory University, USA

Inhibition of Viral Fusion by Interferon-induced Transmembrane Proteins

12:00 PM - Adam Frost, University of California - San Francisco, USA

Membrane Mechanics: New Insights from CryoEM and CryoEM-guided Simulations

12:25 PM - Simon Scheuring, Weill Cornell Medicine, USA

High-speed AFM: Membrane Deformation Protein Complexes in Action

12:50 PM - Carole Parent, University of Michigan, USA

Extracellular Vesicles as Key Regulators of Dictyostelium and Neutrophils Chemotaxis

1:15 PM - Sir Bernard Katz Awardee: Joshua Zimmerberg, Eunice Kennedy

Shriver National Institute of Child Health and Human Development, NIH, USA

The Pathway for Membrane Fusion and Fission in Exocytosis and Viral Entry