

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

Subgroup Chair: Indra Schroeder, University of Jena, Germany

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

Symposium Room: 6F

Subgroup Business Meeting: 5:20 PM

1:30 PM Opening Remarks

1:35 PM William Zagotta, University of Washington, USA

Conformational Dynamics: Channels and Beyond

2:05 PM Lea Rems, University of Ljubljana, Slovenia

The Molecular Basis of Electroporation of Excitable Cells

2:35 PM Student/Postdoc Talk: Ezry Santiago-McRae, Rutgers University, USA

Absolute Binding Affinities of Phospholipids to Erwinialigand-gated Ion Channel (elic) by Streamlined Alchemical Free Energy Perturbations (SAFEP)

2:55 Break

3:10 PM Jana Shen, University of Maryland, USA

Mechanism of the Sodium-Proton Antiporters NhaA and NapA

3:40 PM Student/Postdoc Talk: Tugba Ozturk, Lawrence Livermore National Laboratory, USA

The Role of the Membrane in Driving clc-ec1 Dimerization

4:00 PM Student/Postdoc Talk: Nicolas Wright, Duke University, USA

Cryo-EM Structure Determination of the Human Reduced Folate Carrier slc19a1 in Complex with Methotrexate

4:20 PM Oliver Einsle, University of Freiburg, Germany

An ABC Complex in the Metal Site Assembly of Nitrous Oxide Reductase

4:50 PM Filippo Mancina, Columbia University, USA

The Molecular Mechanisms Underlying Cellular Uptake of Vitamin A

5:20 PM Subgroup Business Meeting

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