

Biophysical Society 67th Annual Meeting
Channels, Receptors, and Transporters Subgroup Symposium
Saturday February 18, 2023
San Diego, California

Subgroup Chair: Jorge E. Contreras, University of California, Davis, USA

Symposium managed by: Secretary-Treasurer Jerome Lacroix, Western University of Health Sciences, USA and Incoming Subgroup Chair Hiro Furukawa, Cold Spring Harbor Lab, USA

Symposium Time: 8:30 AM - 12:30 PM PST

Subgroup Business Meeting: 10:35 AM

Symposium Room: 6B

8:30 AM Opening Remarks

8:35 AM Elena Lehman, University of Zurich, Switzerland

Heteromeric LRRC8 Channel Assemblies and Their Impact on Channel Activity

9:05 AM Johanna Syrjanen, Cold Spring Harbor Laboratory, USA

A Tale of Two Pores

9:35 AM Yu-Hsin Chiu, National Tsing Hua University, Taiwan

Pharmacology and Activation Mechanisms for Large-Pore Pannexin 1 channels: From a Single-Channel Perspective

10:05 AM Donglin Bai, Western University, Canada

Hydrophobic and Hydrophilic Residues in Amino Terminal Domain of Cx46 and Cx50 are Critical for their Gap Junction Channel Gating and the Rate of Ion Permeation

10:35 AM Subgroup Business Meeting

11:00 AM Yun Lina Luo, Western University (California), USA

Computational Studies of Molecular Permeation Through Large-Pore Channels

11:30 AM Pablo Gaete, University of California, Davis, USA

Novel Biophysical Properties in Large-Pore Channels

12:00 PM Zhongming Ma, University of Pennsylvania, USA

Molecular Physiology of CALHM Ion Channels

12:30 PM Closing Remarks

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