

Biophysical Society 68th Annual Meeting
Channels, Receptors, and Transporters Subgroup Symposium
Saturday February 10, 2024
Philadelphia, Pennsylvania

Subgroup Chair: Hiro Furukawa, Cold Spring Harbor Lab, USA

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

Subgroup Business Meeting: 5:00 PM

Symposium Room: 113AB

1:30 PM Opening Remarks

1:35 PM Nancy Carrasco, Vanderbilt University, USA

Structural Insights into the Mechanism of the Sodium/Iodide Symporter (NIS)

2:00 PM Corey Allard, Harvard University, USA

Molecular Mechanisms of Sensory Innovation

2:20 PM Jean-Ju Chung, Yale University, USA

Assembly of the Sperm Calcium Signaling Nanodomains

2:45 PM Andrew Kruse, Harvard University, USA

Using Antibody Fragments to Investigate G Protein-Coupled Receptor Structure and Function

3:05 PM Break

3:15 PM Vanessa Ruta, Rockefeller University, USA

Making Sense of Scents: Structural Insights into Odor Detection

3:40 PM Philip Biggin, Oxford University, USA

Understanding Transport Processes with Simulation

4:05 PM Ana Fernandez-Marino, National Institutes of Health, USA

Structures of the Kv2.1 Channel and Mechanism of Inactivation Through Electromechanical Coupling

4:25 PM Raimund Dutzler, University of Zurich, Switzerland

Substrate Selectivity in Pro- and Eukaryotic Members of the SLC11/NRAMP Family of Transition Metal Ion Transporters

4:50 PM Closing Remarks

5:00 PM Subgroup Business Meeting

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