

Biophysical Society 68th Annual Meeting
Biopolymers *in vivo* Subgroup Symposium
Saturday February 10, 2024
Philadelphia, Pennsylvania

Subgroup Chair: Robert Best, National Institutes of Health, USA

Program Co-Chairs: Matthias Heyden, Arizona State University, USA and Thomas Boothby, University of Wyoming, USA

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

Subgroup Business Meeting: 5:20 PM

Symposium Room: 113C

1:30 PM Opening Remarks

1:35 PM Cesar Cuevas-Velazquez, National Autonomous University of Mexico, Mexico

Searching for Anhydrobiotic Disordered Proteins for Protein Stabilization During Desiccation

2:00 PM Minjoung Kyoung, University of Maryland Baltimore County, USA

Functional Regulation of 4D Metabolic Network of Multienzyme Glucosome Condensates with Mitochondria

2:25 PM Randal Halfmann, Stowers Research Institute, USA

Protein Supersaturation Powers Innate Immune Signaling

2:50 PM Emma Carroll, San Jose State University, USA

A Screening Platform for Fluorescent Dyes that Recognize Tau Fibrils in situ

3:05 PM Break

3:20 PM Kathrine Morelli, McGill University, Canada

The Importance of Nano-Condensates in Cellular Processes: The Case of the +TIP Body

3:35 PM Kristin Koutmou, University of Michigan, USA

Impact of RNA Modifications in the Translational Machinery on Protein Synthesis

4:00 PM Steven Boeynaems, Baylor University, USA

Polycationic Peptides in Health and Disease

4:25 PM Davit Potoyan, Iowa State University, USA

Uncovering Molecular Rules of Viscoelasticity in Biomolecular Condensates Through Multi-Scale Simulations

4:50 PM BIV Junior Faculty Award Speaker: Keren Lasker

11:50 AM Closing Remarks

12:00 PM Subgroup Business Meeting

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