

Biophysical Society 66th Annual Meeting
Nanoscale Approaches to Biology Subgroup Symposium
Saturday February 19, 2022
San Francisco, California

Subgroup Chair: Aleksandr Noy, University of California Merced, USA

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

Symposium Room: Moscone South 209/210/211

Subgroup Business Meeting: 5:00 PM

1:35 PM Jason Dwyer, University of Rhode Island

Molecular-Level Tuning of Solid-State Nanopore Biomolecule Sensing: Optimizing DNA and Protein Analysis and Enabling Complex Carbohydrate Characterization

2:00 PM Naoko Mizuno, NIH - NIHLBI

Bottom-up Reconstitution of Focal Adhesion Machinery

2:25 PM Zachary Smith, Ohio State University

Simulations of Surface-Induced Dissociation of a Protein Dimer Essential for Hearing

2:38 PM Til Schlotter, ETH Zurich, Switzerland

Interface Nanopores As A Flexible Technology For Next-Generation Single-Molecule Protein Sensing

3:10 PM Bruce Cohen, Lawrence Berkeley National Laboratory

Real-time Near Infrared Imaging at 70 nm Resolution with Photon Avalanching Nanoparticles

3:35 PM Zehila Kilic, Arizona State University

Super-Resolved Tracking

3:48 PM Alyssa Miller, University of Cambridge, UK

Universal Lab-On-A-Chip Microfluidic Spray Deposition for Bulk and Single-Molecule Analytical Methods on Surfaces

4:00 PM Aleksei Aksimentiev, University of Illinois Urbana Champaign

Multi-Resolution Simulations of Nanoscale Biological Systems

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