

Nanoscale Approaches Subgroup
2020 Symposium
San Diego, California
San Diego Convention Center Room: Ballroom 20 BC
Symposium Time: 8:30 AM – 12:30 PM
Subgroup Chair: Ozgur Sahin, Columbia University

8:35 AM Sam Peng, Stanford University

Long-term, Single-cargo Tracking in Live Neurons with Single-Molecular Step Resolution

9:05 AM Rafael C. Bernardi, Beckman Institute - University of Illinois

Molecular Mechanisms of Extreme Mechanostability in Protein Complexes

9:35 AM Shixin Liu, Rockefeller University

New Insights into DNA Replication Enabled by Correlative Single-Molecule Fluorescence and Force Microscopy

10:05 AM Olga Dudko, University of California, San Diego

On the Border of Order: Chromosomal Organization in Space and Time

10:50 AM Toshio Ando, Kanazawa University, Japan

High-Speed AFM Revealing Dynamic Biomolecular Processes

11:20 AM Kamila R. Mustafina, McGill University, Canada

Sted Superresolution Imaging of DUOX1 and CEN2 Reveals Substructure of Membrane Macromolecular Complexes in Human Bronchial Epithelial Cells

11:35 AM Sean P. Carney, University of Illinois, Urbana-Champaign

Direct Measurement of Stepping Dynamics of E. Coli UVRD Helicase

11:50 AM Meni Wanunu, Northeastern University

Docking, Squeezing, and Unfolding Individual Native Proteins in a Solid State Nanopore

12:20 PM Subgroup Business Meeting

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