

Biophysical Society 68th Annual Meeting
Nanoscale Approaches to Biology Subgroup Symposium
Saturday February 10, 2024
Philadelphia, Pennsylvania

Subgroup Chair: Meni Wanunu, Northeastern University, USA

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

Symposium Room: 201C

Subgroup Business Meeting: 5:00 PM

1:30 PM Opening Remarks

1:35 PM Allison Squires, University of Chicago, USA

Capturing Biomolecular Interactions at the Single-Molecule Level with ABEL Trap Fluorescence Spectroscopy

1:55 PM Bernd Rieger, Delft University of Technology, USA

Estimation of Field Dependent Aberrations Directly from Single Molecule Emitters

2:15 PM Student/Postdoc Talk: JiaBei Lin

2:25 PM Flash Talk: Mingjie Dai, Rice University, USA

2:50 PM Yongxin (Leon) Zhao, Carnegie Mellon University, USA

Magnify: Next Generation Expansion Microscopy with a Universal Molecule Anchoring Strategy, its Applications and Beyond

3:10 PM Sonja Schmid, Wageningen University, Netherlands

New Ways to Study Life at the Nanoscale: The NEOtrap, DyeCycling & More

3:30 PM Giovanni Maglia, University of Groningen, Netherlands

Nanopore Approaches to Single-Molecule Enzymology: Unraveling the Role of Conformers and Allosteric Regulation

3:50 PM Student/Postdoc Talk: Hao-Cheng Gao

4:00 PM Student/Postdoc Talk: Amr Makhamreh

4:10 PM Jennifer Lippincott-Schwartz, Janelia, USA

Mapping the Structural and Diffusional Landscape of Organelle Contact Sites from the Microscale to the Nanoscale

4:45 PM Closing Remarks

5:00 PM Subgroup Business Meeting

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