

Biophysical Society 67th Annual Meeting
Physical Cell Biology Subgroup Symposium
Saturday February 18, 2023
San Diego, California

Subgroup Chair: Ulrike Endesfelder, Bonn University, Germany

Program Chair: Pallav Kosuri, Salk Institute for Biological Studies, USA

Symposium Time: 8:30 AM - 12:30 PM PST

Symposium Room: 6C

Subgroup Business Meeting: 12:05 PM

8:30 AM Opening Remarks

8:40 AM Hawa Racine Thiam, Stanford University, USA

Cellular Biophysics of NETosis: From Membrane Remodeling to Extracellular DNA Release

9:10 AM James Friend, University of California, San Diego, USA

The Mechanics of Sonogenetics

9:40 AM **Early Career Award Winner:** Siyuan Steven Wang, Yale University, USA

High-content image-based CRISPR screening reveals regulators of 3D genome architectures

9:55 AM Student Award Winner: Shikai Jin, Rice University, USA

Exploring the mechanism of the bacteriophage T7 single-stranded DNA binding protein gp2.5

10:10 AM Break

10:30 AM Khalid Salaita, Emory University, USA

Caught Red-Handed: DNA Probes to Measure Cellular Traction Forces

11:00 AM **Selected Abstract:** Prerna Giri, Stanford University, USA

The Z-disc: Mechanosensor at the interface between myosin biomechanics and hypertrophic signaling

11:15 AM **Selected Abstract:** Sebastian Deindl, Uppsala University, Sweden

Sequence specificity in DNA binding is mainly governed by association

11:30 AM Srigokul Upadhyayula, University of California, Berkeley, USA

Making the Invisible Visible: Imaging Subcellular Dynamics in Multicellular Systems

12:00 PM Closing Remarks

12:05 PM Subgroup Business Meeting

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