

Biophysical Society 69th Annual Meeting
Single-Molecule Forces, Manipulation, and Visualization Subgroup Symposium
Saturday February 15, 2025
Los Angeles, California

Subgroup Co-Chairs: Lucy Brennan, University of California, Berkeley, USA and David Rueda, Imperial College, London, UK

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

Symposium Room: 408A

Subgroup Business Meeting: 3:30 PM PST

1:30 PM Opening Remarks

1:32 PM Gjjs Wuite, University of Amsterdam, Netherlands

Elucidating the Mechanics and Structure of Whole Mitotic Chromosomes

2:00 PM Maria Mills, University of Missouri, USA

Using Magnetic Tweezers to Probe the Relationship Between Topoisomerase Dynamics and Activity

2:30 PM Julie Bitteen, University of Michigan, USA

Measuring the Single-Molecule Interactions of Heterochromatin-Associated Proteins in Living Cells

3:00 PM Sergi Garcia-Manyes, Francis Crick Institute, UK

The Mechanical Stability of Proteins Regulates their Nuclear Import Rate

3:20 PM Break

3:40 PM Flash talks

Verena Rukes, EPFL

Sophia Hohlbauch, Oxford Instruments

Eva Bertosin, TU Delft

Sushil pangeni, Johns Hopkins University

Shijia Liu, Hong Kong University of Science and Technology

4:00 PM Sebastian Deindl, Uppsala Univeristy, Sweden

Massively Multiplexed Single-Molecule Fluorescence Microscopy

4:30 PM Lu Wei, Caltech, USA

Probing Intracellular Interactions with Single-Molecule Functional Bond-Selective Microscopy

5:00 PM Pallav Kosuri, Salk Institute, USA

Origami Movement Microscopy

5:28 PM Closing Remarks

The Single-Molecule Forces, Manipulation, and Visualization Subgroup is grateful for support from the following sponsor:

