Zev Bryant, Stanford University, Subgroup Chair

Molecular Biophysics Subgroup 2015 Symposium
Saturday, February 7, 2015
Baltimore, Maryland

Dynamics of Macromolecular Machines and Assemblies

9:15 AM Opening Remarks

9:30 AM James Berger, Johns Hopkins University
Bending, Twisting, Popping: Protein and Nucleic-Acid Remodeling by ATP-Dependent Machines and Switches

10:00 AM Terence Strick, CNRS/University Paris Diderot, France
Single-Molecule Analysis of Nucleotide Excision Repair Pathways

10:30 AM Yann Chemla, University of Illinois at Urbana-Champaign
Direct Observation of Structure-Function Relationships in Nucleic Acid Processing Enzymes

11:00 AM Coffee Break

11:15 AM Subgroup Business Meeting

11:30 AM Eric Greene, Columbia University
Visualizing Homologous Recombination at the Single-Molecule Level Using DNA Curtains

12:00 PM Tanja Kortemme, University of California, San Francisco
Talk title to be announced

12:30 PM Gregory Alushin, NIH
Visualizing the Structural Plasticity of the Cytoskeleton

1:00 PM Nikta Fakhri, Massachusetts Institute of Technology
High-Resolution Mapping of Intracellular Fluctuations Using Carbon Nanotubes

1:30 PM Concluding Remarks