Molecular Biophysics Subgroup 2017 Symposium  
Saturday, February 11, 2017  
New Orleans, Louisiana  
10:30 AM- 3:00 PM  
Great Hall B

Yann Chemla, University of Illinois, Urbana Champaign, Subgroup Chair

10:30 AM **Opening Remarks**

10:40 AM  
*Controllable Molecular Motors Engineered from Myosin and RNA*  
Zev Bryant, Stanford University

11:10 AM  
*Dynein’s direction-dependent microtubule-binding strength is controlled via a tension-induced sliding of dynein’s stalk helices mediated by the coiled-coil strut*  
Lu Rao, Albert Einstein College of Medicine

11:35 AM  
*Single-Molecule Sorting Of The Human DNA Repair Enzymes*  
Maria Spies, University of Iowa

12:05 PM **Coffee Break and Business Meeting**

12:35 PM  
*High throughput simulations reveal how sequence and methylation control DNA looping and self-association*  
Jejoong Yoo, University of Illinois, Urbana-Champaign

1:00 PM  
*Single Molecules in Focus: From RNA Splicing to Silencing*  
Nils Walter, University of Michigan

1:30 PM  
*RNA remodeling activity reveals RNP assembly mechanism*  
Sua Myong, Johns Hopkins University

2:00 PM  
*Quantitative characterization of the building blocks of RNA tertiary structure*  
William Greenleaf, Stanford University

2:30 PM **Closing Remarks**