

**Samantha Harris**, University of Arizona, Subgroup Co-Chair  
**Jeffrey R. Moore**, Boston University, Subgroup Co-Chair

**Motility Subgroup 2015 Symposium**  
**Saturday, February 7, 2015**  
**Baltimore, Maryland**

- 1:00 PM Introduction
- 1:10 PM Student talk: Jona Mijalkovic, VU University Amsterdam, The Netherlands  
*Quantification of IFT-Dynein Dynamics in C.Elegans*
- 1:20 PM Student talk: Fabian Wehnekamp, Ludwig-Maximilians-Universität München, Germany  
*3D Real-Time Orbital Tracking in Zebrafish Embryos: High Spatiotemporal Analysis of Mitochondrial Dynamics in Neurons*
- 1:30 PM Student talk: Thomas Longyear, University of Massachusetts, Amherst  
*Observing the PCA-Force Relationship with a 3-Bead Laser Trap Assay*
- 1:40 PM Erika Holzbaur, University of Pennsylvania  
*Both Competition and Coordination Among Opposing Motors Regulate Organelle Motility*
- 2:10 PM Break
- 2:30 PM Richard McKenney, University of California, San Francisco  
*Multiplex Regulation of Cytoplasmic Dynein Motility*
- 3:00 PM Joe Muretta, University of Minnesota  
*Mapping Myosin's Structural Kinetic Landscape for Basic and Therapeutic Discovery*
- 3:30 PM Subgroup Business Meeting and Break
- 4:00 PM Zev Bryant, Stanford University  
*Engineering Cytoskeletal Motors*
- 4:30 PM Christine Cremo, University of Nevada, Reno  
*The Kinetics Underlying the Velocity of Smooth Muscle Myosin Filament Sliding on Actin Filaments in Vitro*
- 5:00 PM Break
- 5:20 PM Dave Warshaw, University of Vermont  
*Crossing the Bridge Between Muscle Contraction and Intracellular Cargo Transport*
- 6:15 PM Closing Remarks

We gratefully acknowledge our sponsors:

