

Arne Gennerich, Albert Einstein College of Medicine, Subgroup Co-Chair
Chuck Sindelar, Yale University, Subgroup Co-Chair

Motility Subgroup 2016 Symposium

Saturday, February 27, 2016

Los Angeles, California

1:00 PM Opening Remarks

1:05 PM *Vladislav Belyy*, University of California, Berkeley
Single-molecule Insight into the Activation of Human Dynein by Adapter Proteins

1:20 PM *Andreja Šarlah*, University of Ljubljana, Slovenia
Mechano-chemical Model for the Mechanism of Directed Processive Motility of Cyttoplasmic Dynein

1:35 PM *Lennart Hilbert*, Center for Systems Biology, Germany
Modeling Coordinated Kinetics in Large Groups of Muscle Myosin Motors

1:50 PM *Joanna Andrecka*, University of Oxford, UK
High-Speed Nanometric Tracking of Myosin 5 with Interferometric Scattering Microscopy

2:05 PM Break

2:20 PM *Stefan Diez*, Technical University Dresden, Germany
Transport by Membrane-anchored Kinesin Motors

2:45 PM *Anne Straube*, University of Warwick, UK
Maps and Motors Cooperate to Form the Paraxial Microtubule Cytoskeleton in Differentiating Muscle Cells

3:10 PM *Mike Diehl*, Rice University
Synthetic Manipulation and Analyses of Transport and Cytoskeletal Regulatory Systems

3:35 PM Subgroup Business Meeting and Break

4:05 PM *Hernando Sosa*, Albert Einstein College of Medicine
Structural and Functional Adaptations in Kinesin Motors

4:30 PM *Andrew Carter*, MRC Laboratory of Molecular Biology
Cryo-EM Reveals How Dynein Binds Dynactin and Cargo

4:55 PM Break

5:20 PM *Jim Spudich*, Stanford University
On the Molecular Basis of Monogenic Human Hypertrophic and Dilated Cardiomyopathies

6:15 PM Closing Remarks

