

**Stefan Diez**, Technical University of Dresden, Germany, Subgroup Co-Chair  
**Samara Reck-Peterson**, Harvard Medical School, Subgroup Co-Chair

**Motility Subgroup 2014 Symposium**  
**Saturday, February 15, 2014**  
**San Francisco, California**

1:00 PM, Introduction

1:10 PM, Maxence Nachury, Stanford University  
*Movement of Signaling Receptors Inside Primary Cilia*

1:40 PM, Sophie Dumont, University of California, San Francisco  
*Probing Forces on Newly Generated Spindle Microtubule Minus-Ends*

2:10 PM, Break

2:30 PM, Michael Ostap, University of Pennsylvania  
*Structural, Mechanical, and Biochemical Insights into the Mechanism of Myosin Force Sensing*

3:00 PM, Carolyn Moores, Birkbeck College, University of London, United Kingdom  
*A Structural Model of the Kinesin-5 Mechano-Chemical Cycle*

3:30 PM, Business meeting and break

4:00 PM, Zvonimir Dogic, Brandeis University  
*From Extensile Microtubules Bundles to Synthetic Cilia and Self-mixing Active Gels*

4:30 PM, Stefan Klumpp, Max Planck Institute of Colloids and Interfaces  
*Tug-of-War: Mechanical Coordination of Molecular Motors*

5:00 PM, Break

5:20 PM, Keynote Speaker: Ronald Vale, University of California, San Francisco  
*Mechanisms of Dynein-Driven Microtubule Sliding and Cargo Transport*

6:15 PM, Closing Remarks