

**Linda Kenney**, University of Illinois, Chicago, Subgroup Chair

**Mechanobiology Subgroup 2014 Symposium**

**Saturday, February 15, 2014**

**San Francisco, California**

1:00-1:05 PM, Introduction

1:05-1:40 PM, Mohan Balasubramanian, University of Warwick, United Kingdom

*In Vitro Contraction of Cytokinetic Ring Depends on Myosin II But Not on Actin Dynamics*

1:40-2:15 PM, Jay T. Groves, University of California, Berkeley

*Signaling Reactions on the Membrane: The Roles of Force, Space, and Time*

2:15-2:35 PM, Irena Ivanovska, University of Pennsylvania

*Lamin-A is Mechanosensitive to Matrix Stiffness and Couples to the Retinoic Acid Pathway in Differentiation*

2:35-3:00 PM, Coffee Break

3:00-3:35 PM, Linda J. Kenney, Mechanobiology Institute, Jesse Brown VAMC, University of Illinois-Chicago

*Environmental Sensing by the EnvZ Mechanosensor*

3:35-3:55 PM, Gregory Sutton, University of Bristol, United Kingdom

*Power, Direction, and Synchrony - Mechanical Problems and Solutions from Jumping Leafhopper Insects*

3:55-4:30 PM, Madhusudhan Venkadesan, National Center for Biological Sciences, Bangalore, India

*Nonlinear Elasticity of Muscle and Its Role in Motor Control*

4:30-5:05 PM, Mary Beckerle, Huntsman Cancer Institute, University of Utah

*Interplay Between Cytoskeletal Homeostasis and Tumor Biology*

5:05 PM Business Meeting