

Linda Kenney, University of Illinois, Chicago, Organizer

Mechanobiology Subgroup 2013 Inaugural Symposium
Saturday, February 2, 2013
Philadelphia, Pennsylvania

1:00 PM, Dennis Discher, University of Pennsylvania
From Matrix Elasticity to Nuclear Physics in Lineage Programs

1:30 PM, GV Shivashankar, National University of Singapore
Nuclear Mechanics and Genome Regulation

2:00 PM, Mike Dustin, New York University
T cell Receptor-Associated Actin Patches Generated by Wiskott-Aldrich Syndrome Protein

2:30 PM, Maithreyi Narasimha, Tata Institute of Fundamental Research, Mumbai, India
Patterning Transitions in Cell Behavior during Drosophila Dorsal Closure: The Influence of Signals, Stresses and Geometry

2:45 PM, Coffee Break

3:15 PM, Antoine Triller, Institute of Biology at Ecole Normale Supérieure (IBENS), France
Synapse Stability and Plasticity: From Super-Resolution to Physical Chemistry of Molecular Interactions

3:45 PM, Jennifer Zallen, Rockefeller University
Shaping the Embryo: Cellular Dynamics in Development

4:15 PM, Rob Phillips, California Institute of Technology
Bacteria Are Stressed Out Too: The Physics of Mechanosensation

4:45 PM, Postdoc Talk: Marija Plodinec, Biozentrum and the Swiss Nanoscience Institution, University of Basel, Switzerland
Nanomechanics as a Universal Hallmark of Breast Cancer with Correlations to Metastasis

5:00 PM, Business Meeting