

Biophysical Society 66<sup>th</sup> Annual Meeting  
Motility & Cytoskeleton Subgroup Symposium  
Saturday February 19, 2022  
San Francisco, California

**Subgroup Co-Chairs:** Anthony Cammarato, Johns Hopkins University, USA, and Melissa K. Gardner, University of Minnesota, USA

**Symposium Time:** 8:30 AM - 12:30 PM PST

**Symposium Room:** Moscone South 201/202/203

**Subgroup Business Meeting:** 8:30 AM

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8:50 AM Rong Liu, NIH NHLBI

*The Roles of Binding Proteins in Harnessing the Motor Activity of Myosin-7a*

9:10 AM Ahmet Yildiz, University of California Berkeley

*The Regulation of Kinesin and Dynein Motility by MAP7*

9:30 AM Vitold Galkin, Eastern Virginia Medical School

*Mechanism(s) of Regulation of the Cardiac Thin Filament - New Perspectives for a Longstanding Enigma*

9:50 AM Charlotte Aumeier, University of Geneva, Switzerland

*The Liquid +TIP-network Drives Microtubule Dynamics through Tubulin Condensation*

10:10 AM Selected Poster Abstracts from: Joseph Cleary, Dylan Mostert, Kristin Graham, Duha Vang, and Aysha Rashid

John Squire Memorial

10:40 AM Motility & Cytoskeleton Early Career Award: Radhika Subramanian, Harvard University

*Gli(ee)ful mimicry: Cytoskeletal Regulation of a Transcription Factor*

11:00 AM Kristen Verhey, University of Michigan

*A Kinesin-1 Variant Reveals Motor-induced Microtubule Damage in Cells*

11:20 AM Samara Reck-Peterson, University of California, San Diego

*My Squid Teacher: RNA Recoding and Motor Mechanism*

11:40 AM Matthew Childers, University of Washington

*Correcting Structural Deficiencies in Mutant Myosin with 2'-deoxy ADP*

12:00 Noon Sophie Dumont, University of California San Francisco

*The Astrin/SKAP Complex Lubricates the Kinetochores-Microtubule Interface*

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