

Biophysical Society 70th Annual Meeting
Motility & Cytoskeleton Subgroup Symposium
Saturday February 21, 2026
San Francisco, California

Subgroup Co-Chairs: Brett Colson, University of Arizona, USA and Ekaterina Grishchuk, University of Pennsylvania Perelman School of Medicine, USA

Symposium Time: 8:30 AM - 12:30 PM EST

Symposium Room: 303/304

Subgroup Business Meeting: 10:40 AM

8:30 AM Opening Remarks and Subgroup Business Meeting

8:31 AM Tom Surrey, Centre for Genomic Regulation, Spain

Motor Properties Required to Organize Microtubule Networks into Bipolar Spindles

9:00 AM Doug Swank, Rensselaer Polytechnic Institute, USA

Does Stretch Activation Increase Skeletal Muscle Endurance

9:15 AM Luke Rice, University of Texas Southwestern, USA

Teaching a TOG New Tricks

9:30 AM Charlie Scarff, University of Leeds, UK

Myosin in Motion: Mechanistic Insights and Molecular Modulation

9:45 AM **Spotlight Awardee Talk:** Jeffrey R. Moore

10:00 AM Flash Talks: Matthew Childers, Kahmina Ford, Andrew Hensley, Sanjana Nistala

10:25 AM Break

10:40 AM Subgroup Business Meeting

10:45 **AM Motility & Cytoskeleton Subgroup Early Career Award Talk:** Morgan DeSantis

11:00 AM Iva Tolić, Ruđer Bošković Institute, Croatia

Mechanobiology and Universal Scaling of the Mitotic Spindle

11:15 AM Chris Yengo, Penn State University, USA

Structural and Biochemical Insights into the Autoinhibition Mechanism in Cardiac Muscle Myosin

11:30 AM Matt Caporizzo, University of Vermont, USA

Measuring Diastolic Function In Myocardial Slices from HFpEF Rats

11:45 PM Steve Rosenfeld, Mayo Clinic Jacksonville, USA

Non-Muscle Myosin II is a Therapeutic Target in Cancer

12:00 PM Leslie Leinwand, University of Colorado, Boulder, USA

Translating Extreme Python Biology to Mammals

12:30 PM Closing Remarks

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