

Biophysical Society 70<sup>th</sup> Annual Meeting  
Mechanobiology Subgroup Symposium  
Saturday February 21, 2026  
San Francisco, California

**Subgroup Chair:** Ovijit Chaudhuri, Stanford University, USA

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

**Subgroup Business Meeting:** 10:30 AM

**Symposium Room:** 301/302

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8:30 AM Opening Remarks

8:40 AM Konstantinos Konstantopoulos, John Hopkins University, USA  
*Cancer Cell Mechanosensing and Mechanointelligence*

9:05 AM Andrew Holle, National University of Singapore, Singapore  
*The Transcriptomic and Epigenetic Signature of Confined Migration*

9:30 AM Claudia Loebel, University of Pennsylvania, USA  
*Lineage-Specific Nascent Matrix Labeling to Probe Cellular Mechanosensing in Lung Remodeling*

9:55 AM Hadi Nia, Boston University, USA  
*Crystal Ribcage Platform to Probe the Lung Mechanobiology in Health and Disease*

10:20 AM Break

10:30 AM Subgroup Business Meeting

10:40 AM **Early Career Award in Mechanobiology Awardee Talk:** Shashank Shekhar

11:05 AM Student/Postdoc Talk: Vanna Tran

11:15 AM Xavi Trepas, Institute for Bioengineering of Catalonia, Spain  
*Shape-Programmable Living Surfaces*

11:40 AM Sanjay Kumar, University of California, Berkeley, USA  
*Biophysical Regulation of 3D Tumor Invasion by Cell-Directed Matrix Remodeling*

12:05 PM Lucy O'Brien, Stanford University, USA

*A Sensor of Cytoplasmic Density Directs Mechano-Osmotic Scaling of Organ Size*

12:30 PM Closing Remarks

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