

Biophysical Society 68th Annual Meeting
Physical Cell Biology Subgroup Symposium
Saturday February 10, 2024
Philadelphia, Pennsylvania

Subgroup Chair: Stefanie Redemann, Northeastern University, USA

Program Chair: Jianhua Xing, University of Pittsburgh, USA

Symposium Time: 1:30-5:30 PM EST

Symposium Room: 202AB

Subgroup Business Meeting: 2:50 PM

1:30 PM Opening Remarks

1:35 PM Timothy Elston, University of North Carolina, Chapel Hill, USA

Spatiotemporal Models of Cell Signaling: From Single Molecules to Macrostructures

2:00 PM Arpita Upadhyaya, University of Maryland, USA

Transcription Factor Dynamics in Gene Expression: The Long and Short of It

2:25 PM Jing Yan, Yale University, USA

Single-Cell Imaging Reveals Phenotypic Variation & Segregation in a Bacterial Biofilm

2:50 PM Subgroup Business Meeting

3:30 PM Fabrisia Ambrosio, Harvard University, USA

Quantum Mechanics Meets Stem Cell Biology: Photon Emission, Magnetic Fields, and Radical Pairs

3:55 PM Ao Ma, University of Illinois Chicago, USA

Mechano-Chemical Model for Microtubule Assembly: Integrating Conformational Dynamics of Tubulins

4:20 PM **Early Career Award in Physical Cell Biology Award Talk:** Milka Doktorova

4:40 PM **Student Award in Physical Cell Biology Award Talk:** Rikki Garner

5:15 PM Student/Postdoc Talk: Alexandra Bermudez

5:15 PM Student/Postdoc Talk: Tanya Nesterova

5:30 PM Closing Remarks

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