

Biophysical Society 69<sup>th</sup> Annual Meeting  
Macromolecular Machines and Assemblies Subgroup Symposium  
Saturday February 15, 2025  
Los Angeles, California

**Subgroup Chair:** Tatiana Mishanina, University of California, San Diego, USA

**Symposium Time:** 1:30 PM - 5:30 PM PST

**Subgroup Business Meeting:** 5:10 PM

**Symposium Room:** Petree Hall D

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1:30 PM Opening Remarks

1:35 PM Alireza Ghanbarpour, Washington University at St Louis, USA

*Regulation of ATP-Dependent Proteolysis by Membrane-Anchored Assemblies*

2:00 PM Juli Feigon, University of California, Los Angeles, USA

*Structural Biology of Telomerase Mechanism, Interactions, and Assembly*

2:25 PM Student/Postdoc Talk: Andrea Merino, *Vipp1 Polymerization Dynamics: From Planar Filaments To Rings*

2:50 PM Jin Young Kang, Korea Advanced Institute of Science & Technology, South Korea

*Structural Basis of a Transcription-Regulating RNA Element, HK022*

3:15 PM Break

3:30 PM Terence Strick, Ecole Normale Supérieure de Paris, France

*Tug of War: A Mechanistic Basis for R-loop Formation by Transcribing RNA Polymerase*

3:55 PM Student/Postdoc Talk: Timothy Strutzenberg, *The Structural Basis Of Nuclear Receptor Activation On Chromatin*

4:20 PM Chun Kit Chan, University of Illinois Urbana-Champaign, USA

*Molecular and Brownian Dynamics Simulations of Rotatory Catalysis in Molecular Motors*

4:45 PM Anthony Rodriguez-Vargas, University of California, Berkeley, USA

*Structures of Vertebrate R2 Retrotransposon Complexes During Target-Primed Reverse Transcription and After Second Strand Nicking*

5:10 PM Business Meeting

5:25 PM Closing Remarks

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