

Biophysical Society 67<sup>th</sup> Annual Meeting  
Multiscale Genome Organization Subgroup Symposium  
Saturday February 18, 2023  
San Diego, California

**Subgroup Co-Chairs:** Yamini Dalal, NIH, USA, and Anna Panchenko, Queen's University, Canada

**Symposium Chair:** Alexei Onufriev, Virginia Tech, USA, and Bin Zhang, Massachusetts Institute of Technology, USA

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

**Symposium Room:** 7AB

**Subgroup Business Meeting:** 5:20 PM

---

1:30 PM Opening Remarks

1:35 PM Job Dekker, University of Massachusetts, USA

*Folding Chromosomes without Knotting Them*

2:05 PM Frank Alber, University of California, Los Angeles, USA

*Characterizing the Variability and Organizing Principles of Whole Genome Structures by Multi-Modal Data Integration*

2:30 PM Yaojun Zhang, Johns Hopkins University, USA

*Mechanical Frustration of Phase Separation in the Cell Nucleus by Chromatin*

2:55 PM Student/Postdoc Talk: Ranya Virk, Northwestern University, USA

*Predicting Chemoevasion Potential of Cancer Cells from Statistical Chromatin Packing Behavior*

3:10 PM Best Poster Award Ceremony

3:30 PM Igor Sharakhov, Virginia Tech, USA

*The 3D Genome Architecture in Human Malaria Vectors*

3:55 PM Ranya Virk, Northwestern University, USA

*Predicting Chemovasion Potential of Cancer Cells From Statistical Chromatin Packing Behavior*

4:20 PM Shasha Chong, California Institute of Technology, USA

*Transcriptional Control by Low-Complexity Domain Interactions: A Single-Molecule Perspective*

4:45 PM Devarajan (Dave) Thirumalai, University of Texas Austin, USA

*Changing Structures of Chromosomes During a Cell Cycle: Role of Multiple Motors*

5:15 PM Closing Remarks

5:20 Subgroup Business Meeting

The Multiscale Genome Organization Subgroup is grateful for support from the following sponsors:



**ELSEVIER**

**Genentech**

