

# 2021 Multiscale Genome Organization Symposium

Monday, February 22, 2021

10:00 AM – 2:00 PM USA Eastern (*held virtually*)

**Subgroup Co-Chairs:** Tom C. Bishop, Louisiana Tech University, USA,  
and Tamar Schlick, New York University, USA

10:05 AM - Catherine Musselman, Colorado University - Anschutz, USA  
*Chromatin Signaling: The Importance of Histone Tail Conformation*

10:30 AM - Garegin Papoian, University of Maryland, USA  
*Nucleosomal Physics from Electrostatics to Elasticity*

10:55 AM - Lars Nordenskiöld, Nanyang Technical University, Singapore  
*Structure and Dynamics of Telomeric Chromatin*

11:20 AM - Helmut Schiessel, Technical University Dresden, Germany  
*Demultiplexing Information Written Along DNA Molecules*

11:45 AM - Hitoshi Kurumizaka, University of Tokyo, Japan  
*Nucleosome Contribution to Epigenetic Genome Regulation*

12:10 PM - Yamini Dalal, National Cancer Institute, NIH, USA  
*Bungee Jumping into Fragile Sites in the Human Cancer Genome: Mapping Nano-elasticity of Variant Chromatin Structure*

12:35 PM - Michele Di Pierro, Northeastern University, USA  
*Across Space and Along Polymers: Epigenetics' Conflicting Means of Shaping Chromosomes*

1:00 PM - Andrzej Stasiak, University of Lausanne, Switzerland  
*Topological Analysis of Chromosomal Tracings, Obtained by Serial Fluorescent in situ Hybridization Method, Suggests that Human Chromosomes are Unknotted*