

2024 (7th) Telluride Workshop on Chromatin Structure and Dynamics**Aug 5-9, 2024**

Yawen Bai, Michael Poirier & Song Tan
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Telluride Depot
300 South Townsend St. Telluride CO 81435

Sun, Aug 4, 2024

5:00 – 6:30 PM	Meet & Greet	Location: TBD
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Mon, Aug 5, 2024

7:30 – 8:45 AM	Breakfast	Telluride Depot
8:45 – 9:00 AM	Welcome (TSRC Staff)	

Structures of nucleosome recognition

9:00 – 9:45 AM	Song Tan	Structural studies of a chromatin reader protein
9:45 – 10:30 AM	Rob McGinty	Structural mechanisms of histone demethylation
10:30 – 10:45 AM	Break	
10:45 – 11:30 AM	Mario Halic	Structures of chromatin complexes (TFs, remodelers)
11:30 – 12:15 PM	Greg Bowman	Should I open or should I close? How action of chromatin remodeler ATPases depend on activating segments
	Lunch on your own	
	Hiking/free time	

Chromatin structure & assembly

7:30 – 8:15 PM	Ruiming Xu	Molecular mechanisms of replication-coupled nucleosome assembly
8:15 – 9:00 PM	Zhucheng Chen	Mechanism of Nucleosome Sensing by Chromatin Remodelers
9:00 – 9:15 PM	Break	
9:15 – 10:00 PM	Richard Kriwacki	Chromatin deregulation by fusion oncoprotein condensates

Tues, Aug 6, 2024

8:00 – 9:00 AM	Breakfast	Telluride Depot
	Hiking/Free Time	
	Lunch on your own	

Nucleosome recognition by transcription factors

1:00 – 1:45 PM	Frank Pugh	Genome-wide relationship of TF binding and the rotational and translational setting of nucleosomes
1:45 – 2:30 PM	Lu Bai	Mechanism of nucleosome invasion by transcription factors
2:30 – 2:45 PM	Break	
2:45 – 3:30 PM	Yawen Bai	How pioneer factors open chromatin in cell reprogramming
3:30 – 4:15 PM	Seychelle Vos	Structural analysis of a chromatin-transcription factor complex involved in genome organization
4:15 – 4:30 PM	Break	
4:30 – 5:15 PM	Michael Poirier	Revealing the energetics of chromatin compaction with DNA nanotechnology
6:30 – 7:30 PM	Song Tan	Telluride Town Talk: “Chromatin: Your DNA in a package” Telluride Conference Center in Mountain Village
	Dinner on your own	

Wed, Aug 7, 2024

8:00 – 9:00 AM	Breakfast	Telluride Depot
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Chromatin Dynamics		
9:00 – 9:45 AM	Sebastian Deindl	Illuminating the regulation of gene expression at the single-molecule level
9:45 – 10:30 AM	Beat Fierz	Imaging dynamic mechanisms of chromatin modification
10:30 – 10:45 AM	Break	
10:45 – 11:30 AM	Ariel Kaplan	Force spectroscopy sheds light on the structure and dynamics of chromatin
11:30 – 12:15 PM	John van Noort	Unveiling Chromatin Organization with Single-Molecule Approaches
12:15 – 12:30 PM	Break	
12:30 – 1:15 PM	Sweta Sikde	Decoding centromere dynamics during aging
	Lunch on your own	
	Hiking/free time	
5:30 – 7:30 PM	Picnic	All-Telluride Science Picnic (Families Welcome) Location TBD

Thurs, Aug 8, 2024

8:00 – 9:00 AM	Breakfast	Telluride Depot
	Hiking/Free Time	

Chromatin structure and transcription

1:00 – 1:45 PM	Hitoshi Kurumizaka	Structural dynamics of the nucleosome during transcription elongation
1:45 – 2:30 PM	Lucas Farnung	Structural basis of chromatin transcription
2:30 – 2:45 PM	Break	
2:45 – 3:30 PM	Zheng Zhou	Modulation of nucleosome dynamics by histone H2A variants: mechanisms and biological implications
3:30 – 4:15 PM	Lu Gan	Molecular insights from in situ cryo-ET studies of eukaryotic chromatin
4:15 – 4:30 PM	Break	
4:30 – 5:15 PM	Serger Grigoryev	Cryo-electron tomographic analysis of chromatin higher-order folding
5:15 – 6:00 PM	Melike Lakadamyali	Super resolution imaging of chromatin
7:30 - ? PM	Group Dinner	Location TBD

Fri, Aug 9, 2024

8:00 – 9:00 AM	Breakfast	Telluride Depot
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