# Program for the 2022 Telluride Workshop Epigenetic Mechanisms

(July 11 – July 16 35 min talk + 10 min discussion)

**Organizers:** Tatiana Kutateladze and Josh Black

**TSRC Hosts:** Mark Kozak 970-708-4426, Cindy Fusting 970-708-5069
**TSRC Lodging Coordinator:** Sara Friedberg 970-708-0622

**Location:** Telluride Intermediate School, 725 West Colorado Ave Telluride CO 81435

## Monday July 11, 2022

5:00-6:30 pm **Phoenix Bean**, 221 West Colorado Avenue, Telluride, CO 81320 Meet and greet –Drinks and food available for purchase; family & guests welcome.

## Tuesday July 12, 2022

8:00-8:45 am Breakfast at TSRC 8:45-9:00 am Welcome (TSRC staff)

# Session 1 (35 min presentation, 10 min discussion)

9:00-9:45 am **Jacques Cote**

*The MYST-family of acetyltransferase complexes in epigenetic mechanisms linked to gene expression and oncogenesis*

9:45-10:30 am **Ronen Marmorstein**

 *Molecular Snapshots of Acetyl-CoA Metabolism*

10 min break

10:40-11:25 am **Scott Rothbart**

*Crosstalk between histone PTM and DNA methylation signaling; mechanistic insight and therapeutic implications*

11:25-12:10 pm **Tingting Yao**

 *Sensing and making sense of ubiquitin signals*

Lunch on your own

2:00-2:45 pm **Josh Black**

*Epigenetic Regulation of DNA Re-replication and Extrachromosomal DNA*

Evening free time/dinner on your own

**Wednesday July 13, 2012**

8:00-9:00 am Breakfast

Lunch on your own

# Session 2 (35 min presentation, 10 min discussion)

1:00-1:45 pm **Steve Jacobsen**

*Methyl binding domain and heat shock proteins in the regulation of gene silencing*

1:45-2:30 pm **Jian Jin**

*Small-molecule Degraders of Epigenetic Targets*

15 min break

2:45-3:30 pm **Dan Levy**

*Selective transcription activation mediated by lysine methylation*

3:30-4:15 pm **Hong Wen**

 *The histone reader ZMYND11 in neurodevelopmental disorders*

15 min break

4:30-5:15 pm **Shannon Lauberth**

 *The role of noncoding RNAs in cancer: shedding light on the transcriptomic dark matter*

5:15-6:00 pm **Liling Wan**

*Oncogenic condensates triggered by hotspot mutations in the acetyl-histone reader ENL*

6:00-7:30 pm-dark TSRC Picnic at The Depot 300 S. Townsend Street

**Thursday July 14, 2012**

7:30-8:30 am Breakfast at TSRC

# Session 3 (35 min presentation, 10 min discussion)

08:30-9:15 am **Capucine Van Rechem**

*Chromatin remodelers lost in translation*

9:15-10:00 am **Raymond Trievel**

*Structure and Function of Legionella pneumophila Lysine Methyltransferases: How Bacteria Read and Write Histone Modifications*

15 min break

10:15-11:00 am **Xiaobing Shi**

*Histone acetylation: reading, writing, and beyond*

Lunch on your own

1:30-2:15 pm **Brian Strahl**

*Chromatin mechanisms and non-chromatin functions of histone modifiers*

2:15-3:00 pm **Jikui Song**

 *Structural insight into the dynamic assembly of DNMT3B*

Afternoon Hiking/free time

Evening free time/dinner on your own

**Friday July 15, 2022**

7:30-8:30 am Breakfast

# Session 4 (35 min presentation, 10 min discussion)

8:30-9:15 am **Greg Wang**

*Dissecting canonical and noncanonical functions of EZH2*

9:15-10:00 am **Xiaodong Cheng**

*A transcription factor controls one gene expression in silencing fetal hemoglobin expression.*

15 min break

10:15-11:00 am **Erin Green**

*Chromatin regulation and the control of stress responsive gene expression*

11:00-11:45 am **Michael Keogh**

*TBD*

Lunch on your own

2:30-2:15 pm **Neil Kelleher**

*Chasing the precise composition of nucleosomes in human chromatin*

2:15-3:00 pm **Alex Ruthenburg**

*Bivalency is real and it is unspectacular: subjecting the dogma to quantitative analysis*

15 min break

3:15-4:00 pm **Ming-Ming Zhou**

*Epigenetic Mechanism of Bromodomain Biology and Drug Discovery*

4:00-4:45 pm **Tatiana Kutateladze**

*Reading epigenetic marks; Meeting Wrap-Up*

Evening Free time/dinner on your own

**Saturday July 16, 2022**

8:00-9:00 am Breakfast at TSRC

 **Departures**

# Participants

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