# Program for the 2019 Telluride Workshop Epigenetic Mechanisms

(July 7 – July 12 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

## Sunday July 7, 2019

5:00-6:30 pm **Oak**, 250 San Juan Avenue, Telluride, CO 81320 Meet and greet – a TSRC representative will be on hand to answer questions. Drinks and food available for purchase; family & guests welcome

## Monday July 8, 2019

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 **Cheryl Arrowsmith**

*Probing the Epigenome for therapeutic opportunities*

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

 *Molecular Mechanism of Acetyl-CoA Production by ATP Citrate Lyase*

10 min break

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

*Molecular and oncogenic function of the epigenetic regulator UHRF1*

11:25-12:10 pm **Danica Fujimori**

 *Functional crosstalk between readout and removal of histone methylation*

Lunch on your own

2:00-2:45 pm **Mark Bedford**

*Using Protein Domain Microarrays as Tools for Discovery*

2:45-3:30 pm **Josh Black**

*Understanding Epigenetic Regulation of Gene Amplification*

Evening free time/dinner on your own

**Tuesday July 9, 2019**

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**

*MORC mechanism of action in chromatin compaction*

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

*Discovery of Small Molecules Targeting Protein Methyltransferases*

15 min break

2:45-3:30 pm **Paul Thompson**

*At the Crossroads:  Citrullination and Nicotinamide Methylation*

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

 *The histone acetylation reader ENL in cancer*

15 min break

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

 *Enhancer RNAs: a missing regulatory layer of the epigenome*

5:15-6:00 pm **Hitoshi Kurumizaka**

### *Structural studies of chromatin towards the understanding of epigenetics mechanisms*

7:00 pm Group dinner at Village Table

**Wednesday July 10, 2019**

7:30-8:30 am Breakfast at TSRC

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

08:30-9:15 am **Jacques Côté**

*Reading and writing histone marks by the multifunctional NuA4/TIP60 complex*

9:15-10:00 am **George Zheng**

*Mechanism and Inhibition of Protein Arginine Methyltransferases*

15 min break

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

*Reading the Histone Code: YEATS, ZZ, and beyond*

11:00-11:45 am **Alea Mills**

*Epigenetic vulnerabilities of human glioma*

Lunch on your own

1:30-2:15 pm **Thomas Schalch**

*TBD*

2:15-3:00 pm **Dong Wang**

 *Transcription-coupled recognition of DNA modifications and nucleosomal bypass*

Afternoon Hiking/free time

6:00 pm-dark TSRC Picnic at the tent behind the Telluride Intermediate School (725 W Colorado Ave.); family and guests welcome free of charge

**Thursday July 11, 2019**

7:30-8:30 am Breakfast

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

8:30-9:15 am **Raymond Trievel**

*Structure and Function of a Lysine Methyltransferase Implicated in Bacterial Pathogenesis*

15 min break

9:30-10:15 am **Xiaodong Cheng**

*DNA adenine methylation*

10:10-11:00 am **Adrian Bracken**

*TBD*

Lunch on your own

2:00-2:45 pm **Greg Wang**

*Reading and Writing Epigenomes by Methyltransferase*

2:45-3:30 pm **Alex Ruthenburg**

*TBD*

15 min break

3:45-4:30 pm **Ming-Ming Zhou**

*TBD*

4:30-5:15 pm **Tatiana Kutateladze**

*Mechanisms of Epigenetic Readers; Meeting Wrap-Up*

Evening Free time/dinner on your own

**Friday July 12, 2019**

8:00-9:00 am Breakfast at TSRC

 **Departures**

# Participants

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