

**Telluride Workshop 2025**  
**Information Processing at the Biology-Material Interface**  
**July 14–18, 2025, Telluride, Colorado, USA**

**1. Organizers**

- Seu Sim, UC Irvine, [s.sim@uci.edu](mailto:s.sim@uci.edu), cell: 626-375-7192
- Neha Kamat, Northwestern, [nkamat@northwestern.edu](mailto:nkamat@northwestern.edu), cell: 574-261-4190

**2. Meeting Venue**

- Telluride Intermediate School Room 1217, 721 West Colorado Ave

**3. Local Telluride Science contacts**

- Mark Kozak, email: [mark@telluridescience.org](mailto:mark@telluridescience.org), cell: 970-708-4426
- Sara Friedberg, email: [sara@telluridescience.org](mailto:sara@telluridescience.org), cell: 970-708-0622
- Cindy Fusting, email: [cindy@telluridescience.org](mailto:cindy@telluridescience.org), cell: 970-708-5069

**4. Food / Activities:** Breakfast will be available every morning outside the workshop room. Coffee and snacks will be available throughout the day. The group dinner on Monday is NOT included in registration. Participants can join the group dinner on Monday at Rustico (114 E Colorado Ave).

**5. Group hike:** Group hike is on Tuesday (Bear Creek Trail) – this is an excellent opportunity to unwind and get to know each other in a more relaxed setting. Bring comfortable shoes and plenty of water. Altitude at Telluride is ~ 8750 ft so make sure to stay hydrated.

**6. Picnic:** TSRC Picnic at the Depot (the tent behind the Telluride Intermediate School) on Wed. Free BBQ, beer, wine, and non-alcoholic beverages. Friends and family are invited.

**7. Scientific Program:** The scientific program starts on **Monday, July 14** and ends on **Friday, July 18**. Each talk is scheduled for 50 minutes, 40 min for presentations and 10 min for Q&A. Interruptions and questions during talks are encouraged!

## 8. Schedule

### Sunday, July 13

5:00 – 6:30 PM                      Meet & Greet, Badge Pickup at Alibi (157 S. Fir Street)

### Monday, July 14

8:30 AM                              Breakfast (grab and go)

8:50 AM                              Welcome remarks

#### Session 1: Building with biology

9:00 – 9:50 AM                      Danielle Tullman-Ercek

9:50 – 10:40 AM                      Ronit Freeman

10:40 – 10:50 AM                      *Coffee Break*

10:50 – 11:40 AM                      Wil Srubar

11:40 – 12:30 AM                      Group discussion: outstanding scientific and technical challenges in the topics related to session 1

6:30 PM                              Group dinner at Rustico (114 E Colorado Ave)

### Tuesday, July 15

8:30 AM                              Breakfast (grab and go)

#### Session 2: Electron-mediated signaling and cell/material control

9:00 – 9:50 AM                      Keith Keitz

9:50 – 10:40 AM                      Zhibin Guan

10:40 – 10:50 AM                      *Coffee Break*

10:50 – 11:40 AM                      Adrienne Rosales

11:40–12:30 AM                      Chong Liu

3:00 – 5:00 PM                      Group Hike: Bear Creek Trail (S Pine St, Telluride, CO 81435)

### Wednesday, July 16

8:30 AM                              Breakfast (grab and go)

#### Session 3: Molecular and cellular engineering at the interface

9:00 – 9:50 AM	Neha Kamat
9:50 – 10:40 AM	Kamil Godula
10:40 – 10:50 AM	Coffee Break
10:50 – 11:40 AM	Lingchong You
11:40 – 12:30 AM	Group discussion: outstanding scientific and technical challenges in the topics related to sessions 2 and 3
5:30 PM	TSRC Picnic at the Depot. Friends/family are invited.

### **Thursday, July 17**

8:30 AM                      Breakfast (grab and go)

#### Session 4: Cellular behaviors in soft squishy matrix

9:00 – 9:50 AM	Seu Sim
9:50 – 10:40 AM	Sujit Datta
10:40 – 10:50 AM	<i>Coffee Break</i>

#### Session 5: Cellular engineering, evolution, and communications

10:50 – 11:40 AM	Allen Liu
11:40 – 12:30 AM	Group discussion: outstanding scientific and technical challenges in the topics related to session 4

### **Friday, July 18**

8:30 AM                      Breakfast (grab and go)

#### Session 5: Cellular engineering, evolution, and communications (continued)

9:00 – 9:50 AM	Yuzhong Liu
9:50 – 10:40 AM	Christian Diercks
10:40 – 10:50 AM	Coffee Break
10:50 – 11:40 AM	Group discussion: outstanding scientific and technical challenges in the topics related to session 5

## 9. Statement of Culture

Telluride Science is committed to creating a respectful, equitable, and welcoming environment free from discrimination, exclusion, and harassment for all participants. Telluride Science is known for its collegial workshops that spawn new ideas and collaborations. We encourage the open expression and exchange of ideas, and we are dedicated to strengthening our culture of diverse and inclusive workshops, conferences, and schools.

## 10. Family programs and other fun activities in Telluride

### Children and Teens (age 5–15)

- Telluride Academy (<https://tellurideacademy.org>) offers one-week and one-day programs for children aged 5–15. Camps, art, adventure, etc.
- Telluride Pinhead Institute (<https://www.pinheadinstitute.org>) offers half-day and full-day summer camps for kids of all ages. STEM and art activities.
- Ah Haa Art School (<https://ahhaa.org>) provides kids program with painting, drawing, sculpture, clay and more. Discount code is: **Coming next week** (for 30%)
- The Drop Shop (<https://thedropboardshop.com>) offers skateboard camps for all ages.
- Bootdoctors (<https://www.christysports.com/bootdoctors.html>) rentals for bikes, stand-up paddle boards, etc.
- Telluride Adventure Center (<https://tellurideskiresort.com/adventure-center-summer/>) offers adventures for all ages, including children.
- Wilkinson Public Library (<https://telluridelibrary.org>)

### Babysitting and Nursery

- Cubs Camp Nursery (<https://tellurideskiresort.com/nursery/>) offers care for children 2 months-4 years old including drop-in care option for just a few days
- Telluride sitters (<https://www.telluridesitters.com>), call: (970)-708.0170.
- Annie's Nannies (<http://www.annies-nannies.com>), call: (970)-728.2991.
- Resort Sitters (<https://www.resortsitters.com>), call: (970)-748.3012.

### All ages

- Telluride Outside (<https://tellurideoutside.com>) offers fly fishing, 4WD tours, rafting, and other adventure options.
- Bootdoctors (<https://www.christysports.com/bootdoctors.html>) rentals for bikes, stand-up paddle boards, etc.
- Telluride Adventure Center (<https://tellurideskiresort.com/adventure-center-summer/>) offers adventures for all ages, including children.

- Stellar Tours (<https://stellartelluride.com>) offers biking, paddleboarding, and hiking tours.
- Ride with Roudy (<https://www.ridewithroudy.com>) offers horseback riding tours.
- Telluride Bike Park (<https://tellurideskiresort.com/bike-park/>): Mountain bike and hiking trails.
- Parks in Telluride (<https://www.telluride-co.gov/760/Parks-Recreation>)
- Telluride Historical Museum (<https://www.telluridemuseum.org>)

**11. Most importantly:** Have fun! Be inspired! Make new friends! Build new collaborations!