

# 2023 UC Berkeley Neuroscience Annual Conference

October 20 - October 22, 2023  
Granlibakken Conference Center

## FRIDAY, October 20th

**12:00 PM** Conference Registration (*Cedar House Deck/ Restaurant*)  
& Poster Set-up (*Bay Room*)

*Pick up your lanyard name badge at registration (your meal ticket)*  
*Proceed to front desk: credit card for incidentals, parking permit, store luggage*  
*Rooms not available until 4pm*

**1:00–2:30 PM: Session 1** (*Mountain Ballroom*)

1:00-1:20: **Welcome and Opening Remarks**

**Ehud Isacoff**, Helen Wills Neuroscience Institute & Molecular and Cell Biology  
**Dan Feldman**, Helen Wills Neuroscience Institute & Molecular and Cell Biology  
**Frédéric Theunissen**, Helen Wills Neuroscience Institute, Psychology, & Integrative Biology

1:20-1:40: **Julian Dishart, Graduate Student (Dillin Lab)**

*Olfaction regulates peripheral mitophagy and mitochondrial function*

1:40-2:00: **Mee Jung Ko, Postdoc (Kaufer Lab)**

*Unraveling the role of adaptive myelination in psychedelic medicine*

2:00-2:30: **Andrea Gomez, HWNI & Molecular and Cell Biology**

*Psychedelic-induced plasticity in the brain and the body*

**2:30–3:00 PM: Coffee Break** (*Ballroom Lobby*)

**3:00–5:00 PM: Poster Session** (*Bay Room*)

**5:00–6:00 PM: Break & Hotel Check-in**

**6:00–7:30 PM: Dinner** (*Granhall*)

**7:30–8:30 PM: Keynote Speaker** (*Mountain Ballroom*)

[Vanessa Ruta, Ph.D.](#), The Rockefeller University

*Circuit mechanisms of adaptive behavior*

**8:30–9:15 PM: Student/Postdoc Discussion With Speaker** (*Mountain Ballroom*)

Student Host: Madeleine Snyder

**Evening on your own** (*Ski Hut available until 12:00 AM*)

## SATURDAY, October 21st

### 7:30–9:00 AM: Breakfast (*Granhall*)

Informal Discussion Topics

### 9:00–10:50 AM: Session 2 (*Mountain Ballroom*)

9:00-9:20: **Mora Ogando, Postdoc (Adesnik Lab)**

*Experience orthogonalizes cortical codes by reconfiguring inhibitory microarchitecture*

9:20-10:50: **Third Year Data Slam**

### 10:50–11:10 AM: Coffee Break (*Ballroom Lobby*)

### 11:10–12:20 PM: Session 3 (*Mountain Ballroom*)

11:10-11:30: **Tianhe Wang, Graduate Student (Ivry Lab)**

*A cerebellar population coding model for sensorimotor learning*

11:30-11:50: **Stefania Pezzoli, Postdoc (Jagust Lab)**

*Successful Cognitive Aging*

11:50-12:20: **Karthik Shekhar, Chemical and Biomolecular Engineering**

*What can single-cell genomics teach us about the evolution of the vertebrate retina?*

### 12:20–1:30 PM: Lunch (*Granhall*)

### 1:30–2:15 PM: Breakout Rooms

**Grad Topic** - Frédéric Theunissen (*Mountain Ballroom*)

OR

**Postdocs + Faculty Topic** - Karthik Shekhar and Yvette Fisher (*Bay Room*)

### 2:20–4:00 PM: Session 4 (*Mountain Ballroom*)

2:20-2:40: **Jing-Jing Li, Graduate Student (Collins Lab)**

*Dynamic noise modeling for decision-making behavior*

2:40-3:00: **Kaeli Vandemark, Graduate Student (Feldman Lab)**

*Degraded sensory coding in the Scn2a model of autism, and its rescue by CRISPRa*

3:00-3:20: **Matteo Visconti di Oleggio Castello, Postdoc (Gallant Lab)**

*Individual differences in brain function*

3:20-3:50: **Rich Kramer, HWNI & Molecular and Cell Biology**

*New strategies for reviving sight in retinal degeneration*

3:50-4:00 **Dan Feldman**, Closing Remarks and Award Announcements

**4:00–6:00 PM: Free Time**

**6:00–7:30 PM: Dinner** (*Granhall*)

**8:00 PM-1:30 AM: Talent Show and Social** (*Ski Hut*)

*2 drink tokens provided at check-in, cash bar until 10:00pm*

## **SUNDAY, October 22nd**

**7:30–9:00 AM: Breakfast** (*Granhall*)

**Remove Posters before Check-out time**

**CHECKOUT BEFORE 11:00 AM**