

2024 UC Berkeley Neuroscience Annual Conference

September 27 - 29, 2024
Granlibakken Conference Center

FRIDAY, September 27th

12:00 PM Conference Registration (*Cedar House Deck/Restaurant*) & Poster Setup (*Pavilion*)

1. Pick up your lanyard name badge at registration (= meal ticket)
2. Proceed to front desk to check-in: credit card for incidentals, parking info, store luggage NOTE: Rooms not available until after 4pm

1:00–2:30 PM: Session 1 (*Lake/Bay Ballroom*)

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

Ehud Isacoff, Director Helen Wills Neuroscience Institute

Dan Feldman, Chair Department of Neuroscience

Frédéric Theunissen, Director Neuroscience PhD Program

1:20-1:40: **Alex Ehrenberg**, Postdoc (Kaufer Lab)

Mechanisms underlying selective vulnerability in Alzheimer's disease

1:40-2:00: **Mark Plitt**, Postdoc (Fisher Lab)

Neuromodulatory control of synaptic plasticity during spatial navigation

2:00-2:30: **Frederic Theunissen**, Neuroscience

Segmentation and Identification in the Auditory System and Digressions on the Perception of Time

2:30–5:00 PM: Poster Session with Coffee (*Pavilion*)

5:00–6:00 PM: Break & Room Move-In

6:00–7:30 PM: Dinner (*Granhall*)

7:30–8:30 PM: Keynote Speaker (*Lake/Bay Ballroom*)

[Adrienne Fairhall](#) University of Washington, Seattle
Searching for schemas in the primate brain

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

Student Hosts: Chris Kymn and Vidhi Sinha

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

SATURDAY, September 28th

Registration Table (*Outside Lake & Bay Rooms*)

7:30–9:00 AM: Breakfast (*Granhall*)

Corey Goodman available to speak with students
How to turn great science into impactful medicine

9:00–10:50 AM: Session 2 (*Lake/Bay Ballroom*)

9:00-9:20: **Joshua Fernandes**, Graduate Student (Shekhar Lab)
Spatiotemporal dynamics of ionic reorganization near biological membrane interfaces

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

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

11:10 AM–12:20 PM: Session 3 (*Lake/Bay Ballroom*)

11:10-11:30: **Chris Kymn**, Graduate Student (Olshausen Lab)
Modeling the robustness and expressivity of hippocampal-entorhinal circuits

11:30-11:50: **Hannah Monday**, Postdoc (Feldman Lab)
Physiological and molecular mechanisms of impaired PV circuit homeostasis in Autism mouse models

11:50-12:20: **John Flannery**, Molecular & Cell Biology and Optometry
Optogenetics for Vision Restoration

12:20–1:30 PM: Lunch (*Granhall*)

1:30–2:15 PM: DEIB Session (*Lake/Bay Ballroom*)

2:20–4:00 PM: Session 4 (*Lake/Bay Ballroom*)

2:20-2:40: **Erin Aisenberg**, Postdoc (Bateup Lab)
Elucidating a novel peptidergic circuit in the nucleus accumbens medial shell

2:40-3:00: **Natsumi Komatsu**, Postdoc (Landry Lab)
Imaging neurochemical signaling with fluorescent nanosensors in the brain

3:00-3:20: **Thomas Elston**, Postdoc (Wallis Lab)
Fronto-striatal mechanisms of self-control in non-human primates

3:20-3:50: **Ren Ng**, Electrical Engineering & Computer Science
Probing Neural Plasticity to Novel Color Vision in the Human Brain

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 Hosted Social (*Ski Hut*)

SUNDAY, September 29th

CHECKOUT BEFORE 11:00 AM

7:30–9:00 AM: Breakfast (*Granhall*)

Remove Posters before Checkout time

Free Day to Explore Tahoe