

UNIVERSITY OF
CALIFORNIA

Neurotrauma
Symposium
Sept 11-13, 2023

UCLA, Los Angeles, California



Welcome to the 22nd UC and Western US Neurotrauma Conference at UCLA.

This information packet contains

- The Program
- The Hotel Information and the location of the lectures at Luskin.
- Included is a campus map and locations are indicated on there.

We hope you will enjoy our campus, the lectures and seeing the TBI community again.

22nd Annual UC & Western Neurotrauma Symposium

Monday September 11, 2023

12:00pm. Lunch & 12:45pm Welcome

1:00-2:15 SESSION 1 **BRAIN NUTRITION & REHAB**

Chair: Natalie Gavi & Madison Harris (UCLA)

Allison Cogan (USC) Association of Functional Recovery with Therapy Time and Content after Acquired Brain Injury: An EHR Study.

Chelsea Ortega Physical Therapy Considerations in the Management of Concussion

Sam Walton (VCU Health) Exercise and Nutrition Promote Brain Health after Mild TBI

2:30-3:20 SESSION 2. **GLYMPHATICS**

Chair: Jeff Illif

Jeff Illif (UW) Ten years of glymphatic biology: Implications for understanding TBI and its chronic sequelae

Elaine Peskind, (Puget Sound) Evidence for glymphatic impairment in Veterans with blast TBI: Implications for long-term outcomes

Molly Braun (UW) Impairment of glymphatic function following TBI: Evidence from preclinical experimental models

3:45 Break & POSTER SESSION

3:45-5:00 SESSION 3. **SPREADING DEPRESSION**

Chair: Russell Morton (UNM)

Laura Ngwenya (U Cincinnati), Spreading Depolarizations – From the Bedside to the Bench
Britta Lindquist (UNM)– “Protective effects of metabolic signaling in the wake of spreading depolarization”

Yama Akbari (UC Irvine) Cortical spreading depolarizations lead to remote hemodynamic and cardiac events that affect outcome

Natalie Pinkowski (UNM) The Role of Spreading Depolarizations in Mouse Behavior Associated with Mild TBI

Tuesday September 12, 2023

7:30am Continental Breakfast

8:00-9:15 SESSION 4

FEAR CONDITIONING

Chairs: Annie Hoffman & Kevin Bickhart (UCLA)

Noah Silverberg (UBC) Fear avoidance as a risk factor for persistent post-concussion symptoms and behavioral therapy target

Annie Hoffman (UCLA) Studying the defensive behavior system to understand anxiety, fear, and pain after TBI

Kevin Bickart (UCLA) Frontoamygdala circuitry in fear avoidance and persistent post-concussion symptoms in humans

9:30 Break

9:30-11:00 SESSION 5

CEREBELLAR & COGNITIVE

Chairs: Janel Le Belle & Neil Harris (UCLA)

Sabrina Abram (UC Berkeley) Current Perspectives on the Cerebellum: From Movement to Cognition

Paul Mathews (UCLA/Lunquist Institute) Cerebellar function in preclinical models of disease

Cole Vonder Haar (Ohio State) Addressing insensitivity to consequences after TBI in an animal model of cognitive rehabilitation.

11-12 Break out Collaborations

Break & POSTER SESSION

12-1:30 “Data Blitz” & LUNCH

Chair: Fernando Gomez-Pinilla (UCLA)

3:00 Scavenger Hunt (UCLA botanical gardens & The Hammer Museum)

5:00 drinks

COCKTAILS The Broxton Brewery

Monday 6:00 Reception/ Dinner/Speaker: Nate Boyer

The Army Green Beret – who deployed to both Iraq & Afghanistan over his 10-year military career - is also a philanthropist, humanitarian, and former football player for the University of Texas Longhorns despite never playing a down of organized football prior to his time in the Special Forces.



Wednesday September 13, 2023

7:30am Continental Breakfast

8:00-9:15am SESSION 7

PEDIATRICS

Chair: Jonathan Lifshitz (ASU)

Katie Giordano (ASU) Domain antibody phage display to discover antigen binding domains unique to rod microglia in the diffuse injured brain

Kylie McQueen (ASU) Vascular Imaging and Sleep Disturbance in Cumulative Brain Injury

David Prieto (ASU)

Diana Monge (ASU) CDK5: A Key Mediator of Rotational Force-Induced Brain Injury

9:15 Break

9:30-10:45 SESSION 8

CLINICAL

Chair: Manuel Blanco(UCLA)

Manny Blanco (UCLA)

Jeremiah Johnson (UCLA) Chronic Subdural Hematoma: The Silent Sequela of Head Trauma in the Older Population

Carlin Senter (UCSF) A View from the Team Doctor: How We Evaluate and Treat Sports Concussion in 2023

11:00-12:15 SESSION 9

ENGINEERING-RELATED

Chair: Pirouz Kavepour (UCLA)

Kaveh Laksari (UC Riverside) Hyper-acute effects of blunt head impacts on brain function and hemodynamics

Nick Kuenning (UCLA) Infrared laser absorption spectroscopy for non-invasive ketone monitoring via exhaled breath

Parnian Hemmati (UCLA) Bridging the gap between Mechanical Impact and mTBI Pathology: Potential Role of Cerebrospinal Fluid Dynamics

12:15-12:30 CLOSING REMARKS

Mayumi Prins (UCLA)

Sign up for topics of interest in collaborating

Sept 11-13, 2023

UCLA Los Angeles, California



HOTEL ROOMS & LECTURES have been reserved in the UCLA LUSKIN CONFERENCE CENTER.
425 Westwood Plaza | Los Angeles, CA 90095 | 855-LCC-UCLA (855-522-8252)

Visitor Parking

- Parking will be included if you are a hotel guest.
- If you require day parking for **non-hotel guests**, then please **select this option on your registration**. We will provide chaser tickets for parking Lot 8, which it is located just steps from the UCLA Luskin Conference Center

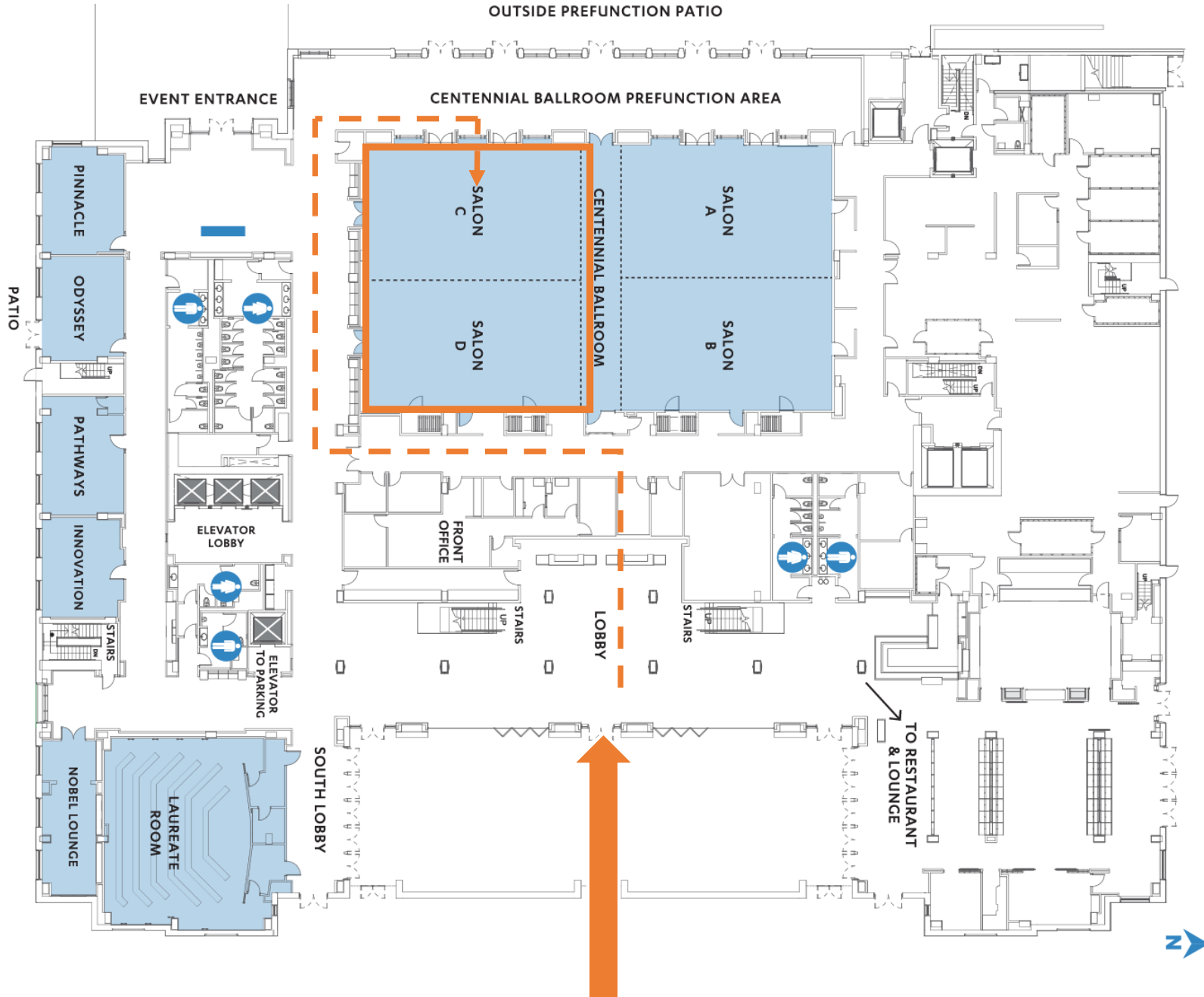
Alternative Transportation Options

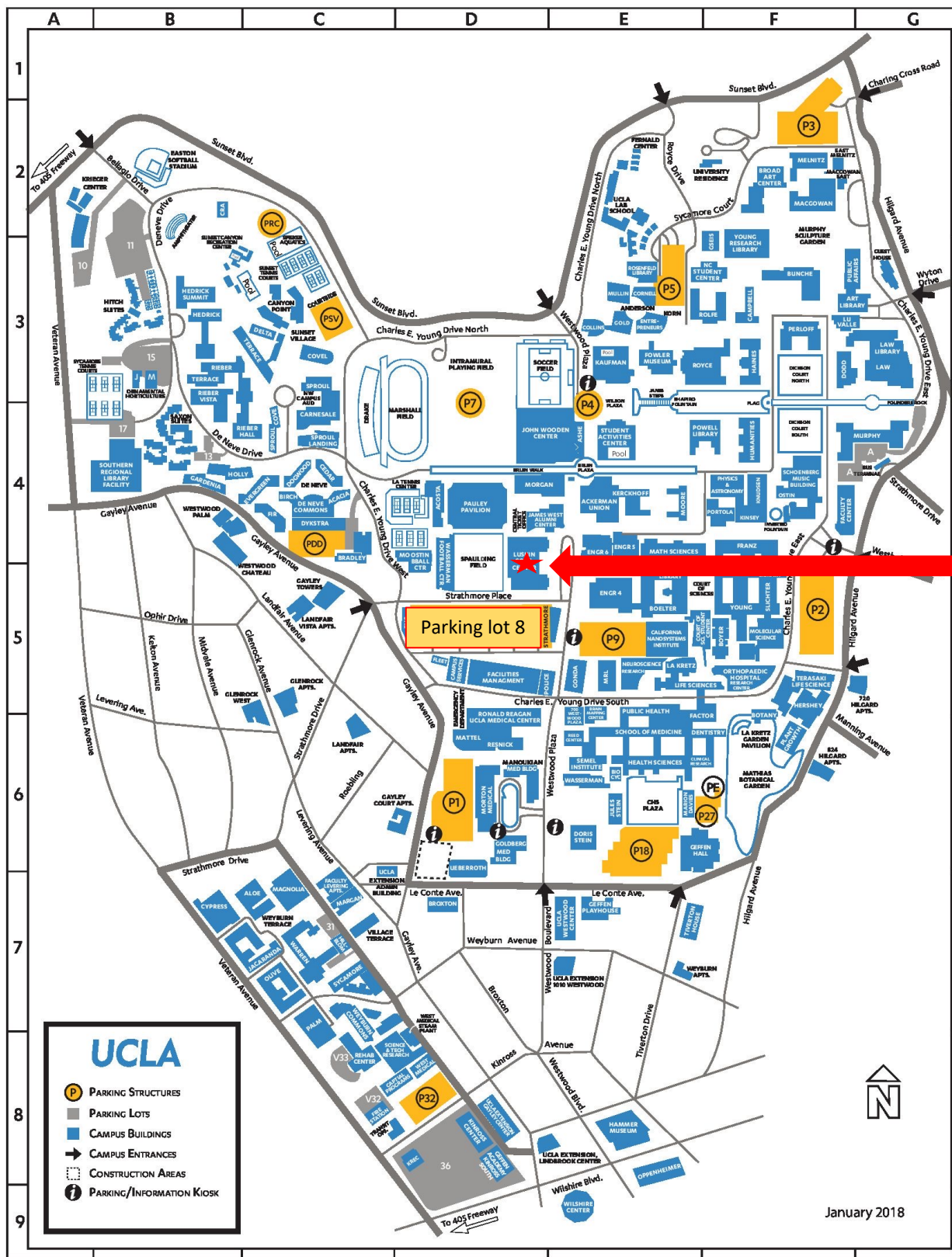
A convenient option for transportation is a ride-sharing service like Uber or Lyft. You can board your ride right in front of designated areas throughout the UCLA campus, including in front of the UCLA Luskin Conference Center. A trip to LAX, just 11 miles from the conference center, typically costs \$20 to \$30. **Reimbursement provided for speakers and students.**



<https://luskinconferencecenter.ucla.edu/about/campus-map-parking/>

Luskin First Floor





LUSKIN HOTEL

UCLA

-  PARKING STRUCTURES
-  PARKING LOTS
-  CAMPUS BUILDINGS
-  CAMPUS ENTRANCES
-  CONSTRUCTION AREAS
-  PARKING/INFORMATION KIOSK



EXPLORING THE UCLA CAMPUS



"Gardens of UCLA" Walking Tour

This self-guided walking tour highlights the popular gardens and botanical spots on the UCLA campus and is part of "Live Well," one of the components of UCLA's Healthy Campus Initiative (HCI). This campus-wide wellness movement aims to make UCLA the healthiest university campus in America. The "Live Well" movement is being integrated into the UCLA community by utilizing groups, programs, activities and places that already exist on the campus. The self-guided "Gardens of UCLA" Walking Tour encourages campus visitors to enjoy a healthy walk to one or all of UCLA's five beautiful garden areas. The Luskin Conference Center has tour maps available at its Front Desk. Learn more at: healthy.ucla.edu



Franklin D. Murphy Sculpture Garden

One of the most lauded outdoor sculpture collections in the country, the tranquil Franklin D. Murphy Sculpture Garden at UCLA features 70 sculptures and spans more than five acres on the northeast corner of campus. The collection highlights the role of the arts at UCLA.



UCLA Store

Located in nearby Ackerman Union and staffed by friendly and knowledgeable students, browse the UCLA Store's huge inventory of UCLA-themed souvenirs, gifts, and clothing, as well as computer accessories and supplies. The UCLA Store is just a short walk away from the Luskin Conference Center and Hotel.

