

ORAL PRESENTATION SPOTLIGHTS

General Attendee
Information Guide



MAY 13-16, 2024

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ORAL PRESENTATION SPOTLIGHT SCHEDULE



Date	Time	Theme
May 13	5-7pm	Oral Presentation Spotlight - Impacts (Groups Only)
May 14	5-7pm	Oral Presentation Spotlight - Insights (Individuals Only)
May 15	5-7pm	Oral Presentation Spotlight - Innovations (Individuals Only)
May 16	5-7pm	Oral Presentation Spotlight - Inspirations (Individuals Only)

Monday, May 13

ORAL PRESENTATION SPOTLIGHTS: IMPACTS

Presentations are listed in alphabetical order by project title. Speaking order will be announced the evening of the event.

A Multiscale Analysis of Structural Changes in the Heart After Left Bundle Branch Block

- Presenters: Neha Muvvala & Cadence Cheng

AJAYA: Prototyping a Low-cost, Noise Filtering Microelectrode Array (MEA) Recording System

- Presenters: Yash Khadilkar, Ashley Varatip, Jeremiah Andrade, Albert Micah Garcia, & Abeline Mia Hernandez

CERVOS: An Inflatable Pessary for Cervical Insufficiency

- Presenters: Lyna Luu, Abby Villasis, & Carolyn Ho

Consequences of Varying Drought Conditions on Coleoptera and Heteroptera Communities in Coastal Sage Scrub Ecosystems

- Presenters: Paulle Do, Aaron Trinh, Tom Minh Van

Effects of Language Barriers on the Quality of Care Spanish-Speaking Patients with Hypertension Experience

- Presenters: Claire Ali-Khan & Justin Covarrubias

Exploring the Implications of Food Insecurity on Hypertension Outcomes in Hispanic Patient Population in Santa Ana, CA

- Presenters: Saivishnu Tulugu & Horacio Mendoza

NeoMold: A 3D-Printed Customizable Ear Mold for Congenital Ear Differences in Neonates

- Presenters: Christine Ly, Christine Nguyen, Frida Sandoval, & Kathy Duong

Perceived Stress Level: Stressors Associated with Covid-19 Pandemic Among patients at Lestonnac Free Clinic

- Presenters: Kim Nguyen, Elisa Ulloa, & Helen Lai

Systematizing Racial Justice in Schools

- Presenters: Danielle Shariff & Zayaan Khan

Ultrasonic Digital Beamformer

- Presenters: Rohan Jayaram, Aaron Yalong, & Steven Tabilisma

Tuesday, May 14

ORAL PRESENTATION SPOTLIGHTS: INSIGHTS

Presentations are listed in alphabetical order by first name. Speaking order will be announced the evening of the event.

Inspiring a Community of Care: The Role of Community Health Workers during the Pandemic in OC

- Presenter: Beatriz Galeana

Investigating the Role of Estrogen in Stress Related Memories

- Presenter: Brinda Devireddy

Investigation of the Role of Pleiotrophin in Breast Cancer Metastasis

- Presenter: Cassandra Sweet

Identifying Novel Biomarkers for Human Interactions with Malaria Vectors

- Presenter: Derek Chang

Robust Adaptive Control for Safe Drone Delivery

- Presenter: Derek Fan

The Glocal Emergence of “Gen Z Singaporean Identity” Through Musicking

- Presenter: Erika Cao

Ceftaroline and Adjunctive Meropenem: A Novel Treatment for Methicillin-Resistant *Staphylococcus aureus*

- Presenter: Gabriel Perez-Parra

A Novel Approach To Increase Reliability Within Studies of Cognition

- Presenter: Hrithik Popat

The Association of Staff Connectedness with Post-Release Mental Health Outcomes for Justice-Involved Youth

- Presenter: Judith Hernandez

Localized immune response to *T. gondii* in the brain is not dependent on GRA15

- Presenter: Rijul Malik

Wednesday, May 15

ORAL PRESENTATION SPOTLIGHTS: INNOVATIONS

Presentations are listed in alphabetical order by first name. Speaking order will be announced the evening of the event.

Interactions Between Type 2 Innate Lymphoid Cells (ILC2s) and Breast Cancer Cells

- Presenter: Ayisha Bushra

Optimizing the Early Detection of Cutaneous Neurofibromas using Spatial Frequency Domain Imaging

- Presenter: Emily Nguyen

STING and TLR Co-Drugs for Cancer Immunotherapy

- Presenter: Ethan Fischer

Enhancing Fat Graft Survival Through Adipose-Derived Stem Cell-Induced Vascularization

- Presenter: Helia Rahimian

Generating Probiotics with Defined Enzymatic Function to Upregulate Peptidoglycan Metabolism

- Presenter: Jessica Wu

High-throughput Control of In Vitro Cardiac Alignment Using 3-D Printed Electroactive Biopolymeric Patterns

- Presenter: Krystal Nguyen

Efficient Microwave-Based Synthesis for Solid-State Battery Electrolytes

- Presenter: Nam De Porceri

Enhanced Electroacoustic Tomography Electroporation Monitoring Via Deep Learning

- Presenter: Shreyas Srinivasan

Analysis of the Development of Human Retinal Organoid Xenografts in Retinal Degenerate Rats

- Presenter: Tim Vo

Thermo-mechanical properties and benefits of boro-silicate glass for SOEC sealants

- Presenter: Yung-Cheng (Ernie) Lu

Thursday, May 16

ORAL PRESENTATION SPOTLIGHTS: INSPIRATIONS

Presentations are listed in alphabetical order by first name. Speaking order will be announced the evening of the event.

Impacts of Household Inequality on Children's Expectations of Their Futures

- Presenter: Elizabeth Rzepczynski

Tracking the Molecular Composition of Secondary Organic Aerosols from alpha-Pinene under Glyoxal

- Presenter: Helen Qin

"Racism isn't a problem"? Exploring racism, colorism, and whiteness in a predominately Latine School Community

- Presenter: Jayme Albritton

Wordless Stories: Art, Memory, and the Armenian Genocide

- Presenter: Nina Menzagopian

Hydrothiolation and thioamination of azetines as a method for drug synthesis

- Presenter: Noam Levi

Examining Flashbulb Memories in Undergraduate Students: Evidence of Cultural Differences

- Presenter: Tayla Jauch

Justice and Emotions: Police Encounters & Callous-Unemotional Traits

- Presenter: Tristan Sodkomkum

Bioprinting Skeletal Muscle with Human Pluripotent Stem Cells

- Presenter: VanAnh Nguyen

The Diaspora of H4 Dependent Spouses in the United States

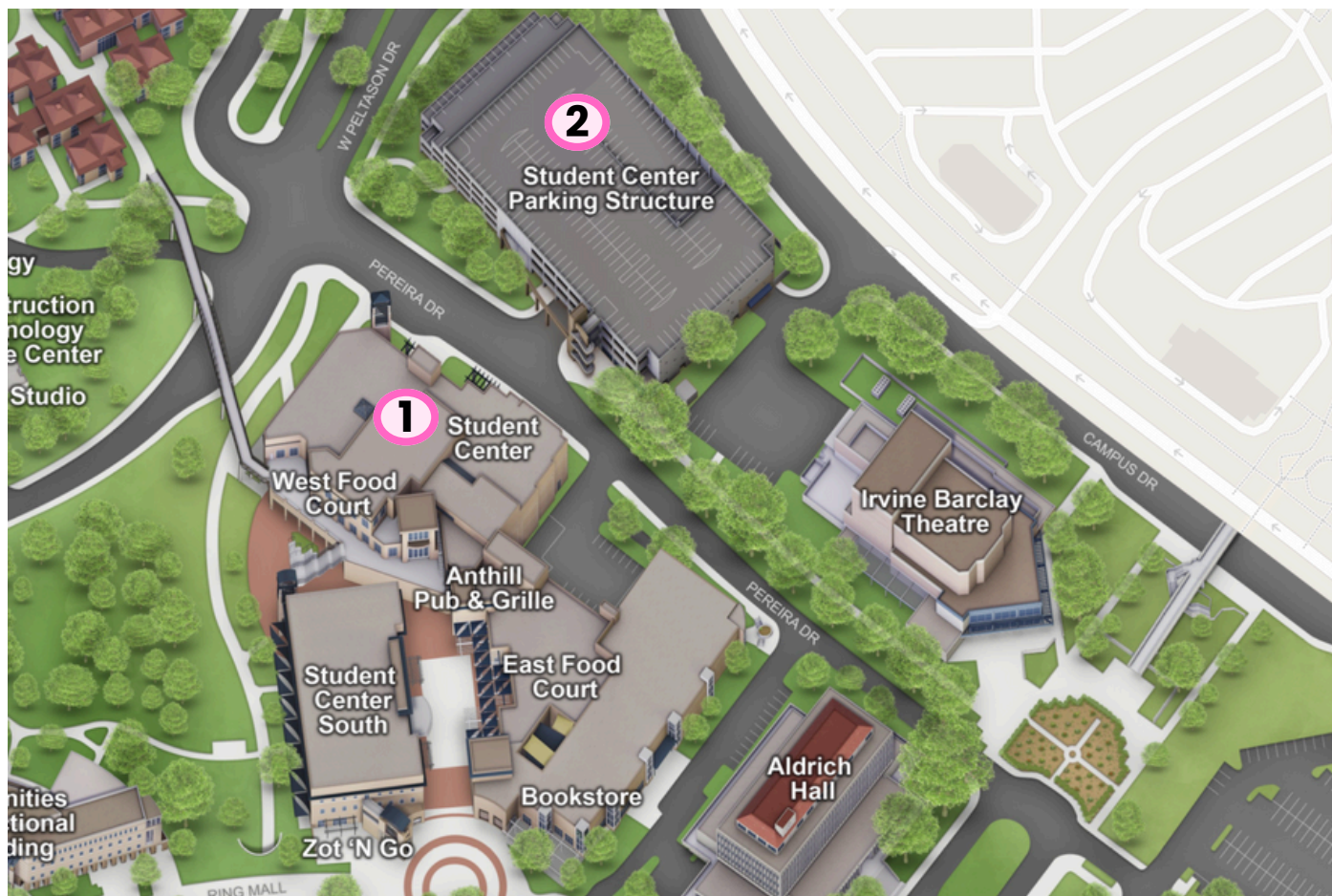
- Presenter: Vidhi Vivek Jain

Trends in First-Line Medications For Type II Diabetes

- Presenter: William Hou

LOCATION LOGISTICS

Unsure where exactly to go for the Oral Presentation Spotlights? The Oral Presentation Spotlights are held at the Student Center.



- 1** Student Center
- 2** Student Center Parking Structure (pay at Kiosk or by Space)
 - Parking is available in the Student Center Parking Structure (SCPS), which is located on the corner of Pereira Drive and W Peltason Drive. Entrance into the Student Center Parking Structure is on Pereira Drive. The address is **311 W Peltason Dr A, Irvine, CA 92697** ([click here](#)).
 - A **valid parking permit** ([click here for rates](#)) is required at all times when parking on campus. Visitors may purchase a permit at any information kiosk, dispenser, or through UCI's ParkbyPlate signage located in select parking areas.

DRIVING DIRECTIONS TO THE STUDENT CENTER PARKING STRUCTURE

405 Freeway

From the south:

- 1.Exit at Jamboree Rd.
- 2.Right on Jamboree Rd.
- 3.Left on Campus Dr.
- 4.Right on West Peltason into UCI.
- 5.Left on Pereira Dr. The parking structure will be on the left.

From the north:

- 1.Exit at University Dr.
- 2.Left on University Dr.
- 3.Left on Campus Dr.
- 4.Right on East Peltason into UCI.
- 5.Left on Pereira Dr. The parking structure will be on the left.

55 Freeway

From the south:

- Take 55 South to 73 South.
- Exit at Bison Ave.
- Left on Bison Ave. crossing over the freeway into UCI.
- Right at West Peltason.
- Slight right at the stop sign to continue on West Peltason.
- Right on Pereira Dr. The parking structure will be on the left.

From the north:

- Take 55 North to 73 South.
- Exit at Bison Ave.
- Left on Bison Ave, crossing over the freeway into UCI.
- Right at West Peltason.
- Slight right at the stop sign to continue on West Peltason.
- Right on Pereira Dr. The parking structure will be on the left.

73 Freeway / Tollway

From the south:

- 1.Exit at Bison Ave. (Bison is the LAST FREE EXIT before Toll).
- 2.Left on Bison Ave. crossing over the freeway into UCI.
- 3.Right at West Peltason.
- 4.Slight right at the stop sign to continue on West Peltason.
- 5.Right on Pereira Dr. The parking structure will be on the left.

From the north:

- 1.Exit at Bison Ave.
- 2.Right on Bison Ave into UCI.
- 3.Right at West Peltason.
- 4.Slight right at the stop sign to continue on West Peltason.
- 5.Right on Pereira Dr. The parking structure will be on the left.

5 Freeway

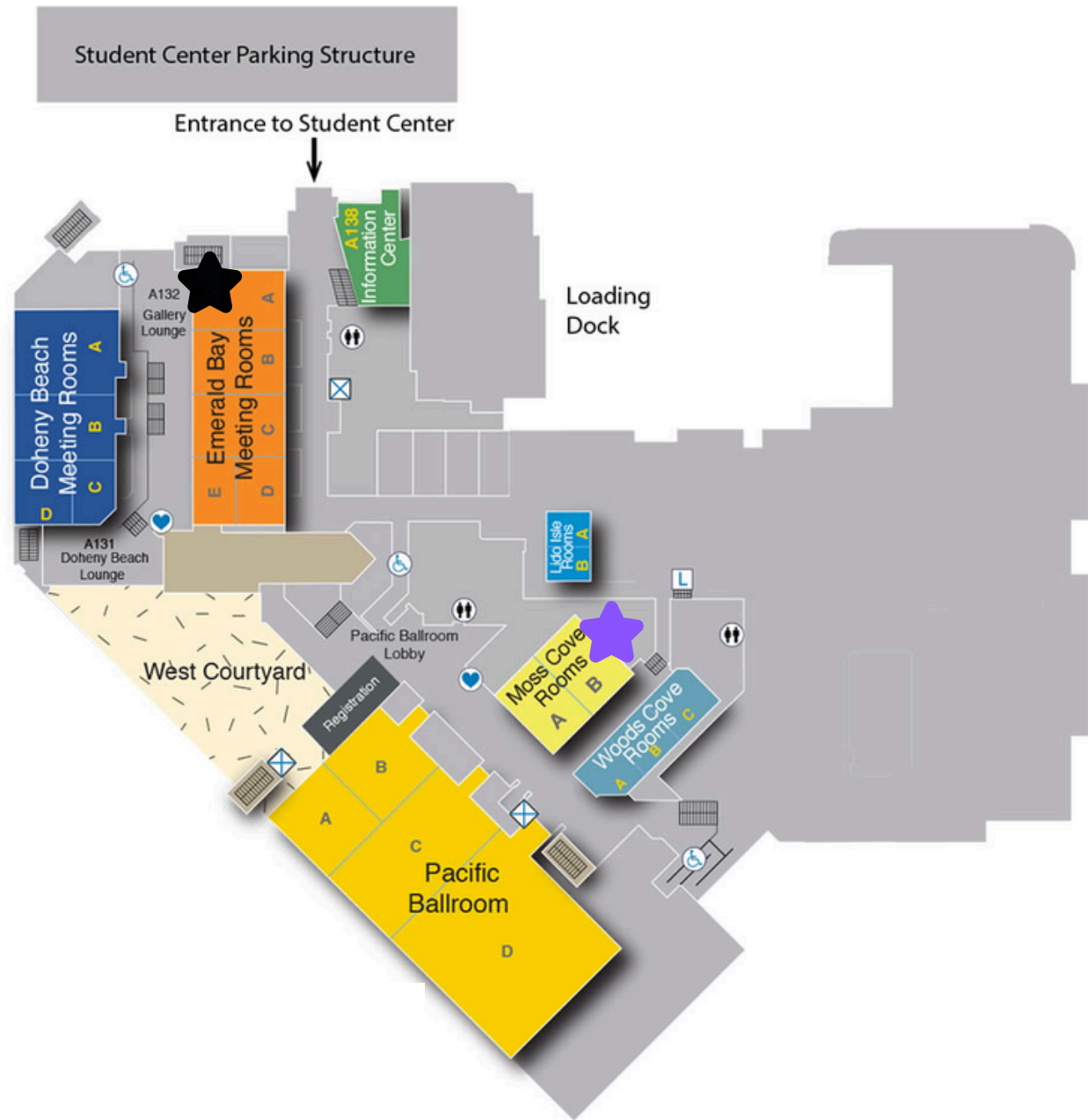
From the south:

- Take I-5 South to 55 South.
- Merge onto 73 South.
- Exit at Bison Ave and turn left.
- Right at West Peltason.
- Slight right at the stop sign to continue on West Peltason.
- Right on Pereira Dr. The parking structure will be on the left.

From the north:

- Take I-5 North to 405 North.
- Exit at University Dr.
- Left on University Dr.
- Left on Campus Dr.
- Right on East Peltason into UCI

STUDENT CENTER MAP



Monday, May 13, 2024 - Emerald A

Tuesday, May 14, 2024 - Moss Cove B
Wednesday, May 15, 2024 - Moss Cove B
Thursday, May 16, 2024 - Moss Cove B

For UCI Student Organizations, Clubs, and Teams

ORAL PRESENTATION SPOTLIGHT CONTEST

**\$75 KRISPY KREME
GIFT CARD**

HOW TO ENTER

Attend any (or all) Oral
Presentation Spotlight night(s)
05/13-05/16...

with at least 3 members in
attendance...

and submit a Google Form

Follow our Instagram
for more details!



[uciurop](https://www.instagram.com/uciurop)

