

# 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 29	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 29

# 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

## 2024 SYMPOSIUM PROGRAM

Looking for a specific student presenter, theme, or project title? Use our UROP Hub where you can find our student presenter's profiles! You can click their tile to see more information, including mentor(s), presentation abstract, digital poster, etc.

<b>Profile Image</b>	
<b>Project Title</b>	<b>Eat, Sleep, Anteater: A Deep Dive into the Life of Nature's Sleepiest Snout-Sniffer</b>
<b>Project Description (140 characters)</b>	Delving deep into anteaters' habits & habitats, revealing fascinating insights into Earth's most peculiar pest-eaters!
<b>Presenter Name, Session Time, Theme, and Poster #</b>	<b>Name(s):</b> Peter the Anteater <b>Time, Theme:</b> 1:30PM to 3:00PM, Earth & Beyond <b>Poster #:</b> 59

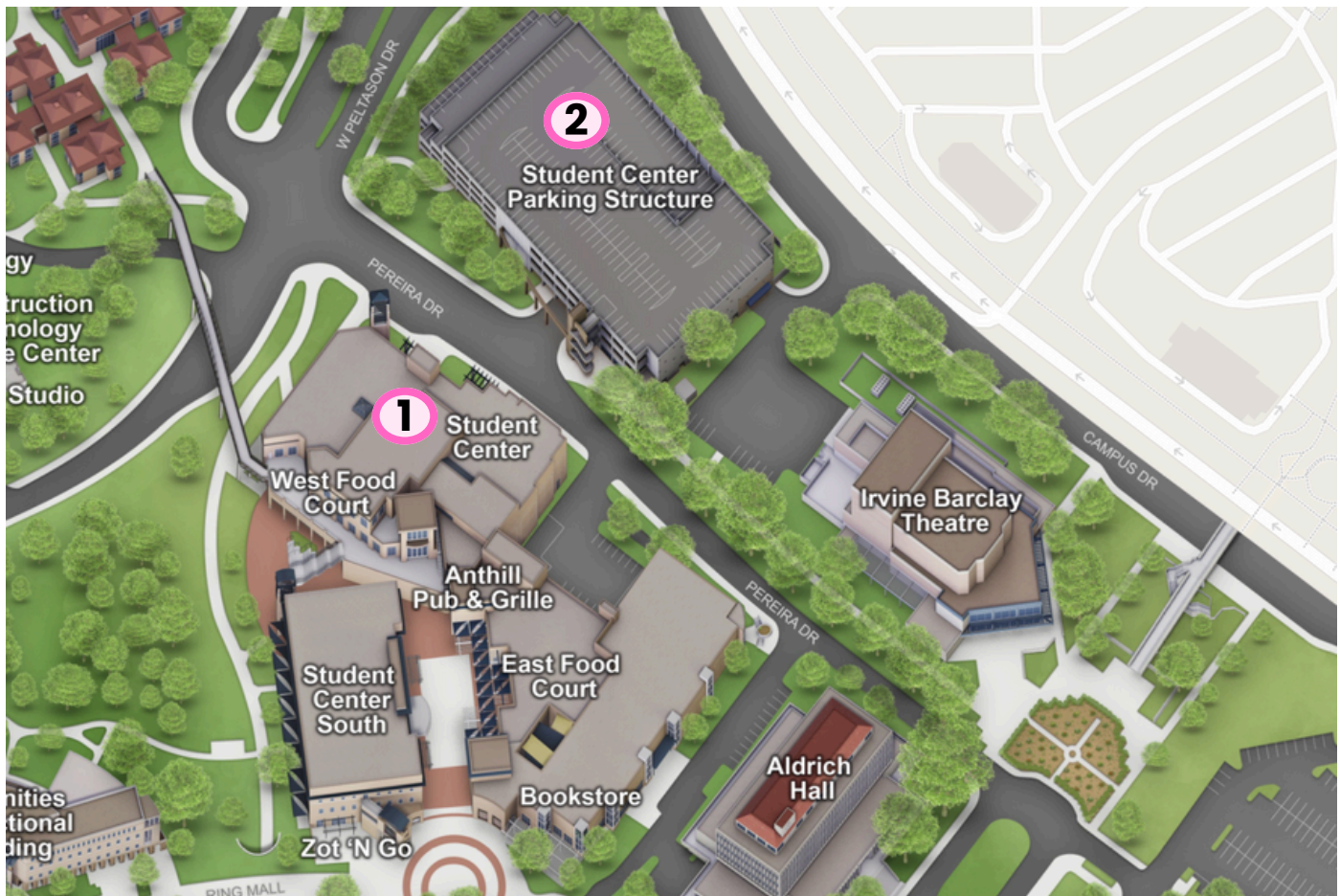
[Click here to visit the 2024 Symposium Program or scan the QR Code](#)





## 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

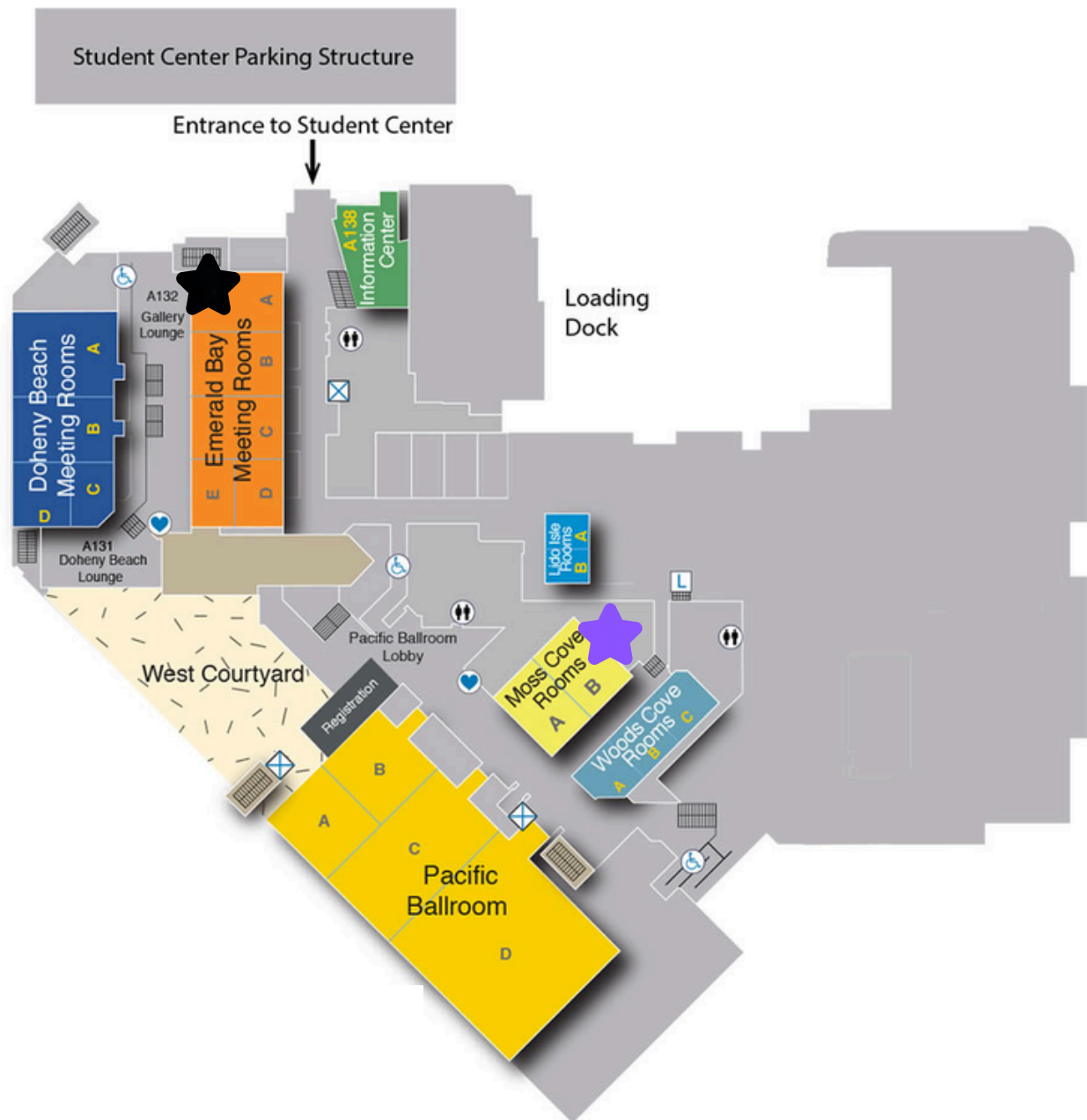
### From the south:

- 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**  
**Wednesday, May 29, 2024 – Emerald A**

**Tuesday, May 14, 2024 – Moss Cove B**  
**Wednesday, May 15, 2024 – Moss Cove B**

Open to all current UCI students!

# ORAL PRESENTATION SPOTLIGHT CONTEST

**\$20 PEET'S COFFEE  
GIFT CARD**

## HOW TO ENTER

Attend the Oral Presentation  
Spotlight night on 05/29...

Take a photo with the UROP  
event sign...

and submit a Google Form

Follow our Instagram  
for more details!



**uciurop**

