ORAL PRESENTATION SPOTLIGHTS

General Attendee Information Guide

MAY 13-16, 2024
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## ORAL PRESENTATION SPOTLIGHT SCHEDULE

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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
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.

**Eat, Sleep, Anteater: A Deep Dive into the Life of Nature’s Sleepiest Snout-Sniffer**
Delving deep into anteaters’ habits & habitats, revealing fascinating insights into Earth’s most peculiar pest-eaters!

**Name(s):** Peter the Anteater  
**Time, Theme:** 1:30PM to 3:00PM, Earth & Beyond  
**Poster #:** 59

Click here to visit the 2024 Symposium Program or scan the QR Code
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.
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.

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.

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.

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.
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!