



10th [Symposium](#) on Friday, May 1st, 2026

Event	Time	Location
Oral Presentations	9:00am – 12:00pm Starting on the hour and half hour	College Center Rooms 309 , 310 , and 312 and Student Union Rooms 213 and 214
Posters and Exhibitions of Work Session 1 Odd numbered	9:00am – 10:30am	College Center Ballrooms A and B
Performance	10:40am – 11:00am	College Center Ballrooms A and B
Posters and Exhibitions of Work Session 2 Even numbered	11:00am – 12:30pm	College Center Ballrooms A and B
Lunch and Award Ceremony	1:00pm – 2:00pm	College Center Ballroom C

[Oral Presentations](#)

College Center Rooms [309](#), [310](#), & [312](#)
Student Union Rooms [213](#) & [214](#)

Posters, Exhibitions of Work & Performance College Center 314 Ballrooms A & B

[Session 1](#) (9:00am-10:30am) – Odd numbered posters

[Performance](#) (10:40am-11:00am)

[Session 2](#) (11:00am-12:30pm) – Even numbered posters

Oral Presentations

College Center Room 309- Oral Presentations

Each oral presentation has a 20-minute time allotment: 15 minutes for the presentation and 5 minutes for questions. Followed by a 10-minute break.

9:00am – Noa Kalev

Mentor: Robert Ellis, Mary Blasius

[Seahorse System Design](#)

9:30am – Quinlynn McCarthy

Mentor: Karen Baker

[Correlation Between Tidal State and Behavior of Bottlenose Dolphins \(*Tursiops truncatus*\)](#)

10:00am – Lisa Stumph

Mentor: Jeff Armstrong

[An Investigation into Whether the Epidermal Spots of California Sea Hares Are Useful for Identifying Individuals](#)

10:30am – Isabel Echeverria

Mentor: Elizabeth Blake

[Breast Cancer Risk and the Vegetarian Diet](#)

11:00am – Truc Pham

Mentor: Erin Gratz

[An Exploratory Study of International Students' Felt Understanding, Social Identity and Well-Being](#)

11:30am – Samuel Levine

Mentor: Melissa Broox, Brent Rudmann

[Little House on the Campus: Intersection of OCC and Orange County History](#)

College Center Room 310- Oral Presentations

Each oral presentation has a 20-minute time allotment: 15 minutes for the presentation and 5 minutes for questions. Followed by a 10-minute break.

9:00am – Quinn Busher

Mentor: Angelo Esposito

[Engineering Off-the-Shelf Solutions: A Proof of Concept for Undergraduate Research Demanding Custom-Made Instrumentation in High Stakes Missions](#)

9:30am – Maximus Keegan

Mentor: Justin Jang

[Exploring How Human Behavior and Demographics Correlate to Online Safety and Cybersecurity Practices in the 21st Century](#)

10:00am – Andrew Chau Tran

Mentor: Justin Jang

[Cat Factoring in Python: A Computational Model for Exact Factorization and Structured Understanding](#)

10:30am – Andrew Chau Tran

Mentor: Mansour Abdouli

[Cat Factoring: A Structured Mathematical Thinking Framework for Quadratic Factorization](#)

11:00am – Noah Sarrell

Mentor: Chih Lew

[Lymphatic Organ-on-a-Chip Technology Enables Improved Study of Inhalant-Allergy Medications](#)

11:30am – Wyatt Macfarland

Mentor: Derek Honakawa

[Beginning Avionics](#)

College Center Room 312- Oral Presentations

Each oral presentation has a 20-minute time allotment: 15 minutes for the presentation and 5 minutes for questions. Followed by a 10-minute break.

9:00am – Owen Sweeney

Mentor: Brent Rudmann

[The Face of Power: Julius Caesar Numismatic Revolution](#)

9:30am – Ken Bello Sanchez

Mentor: Francisco Brito Núñez

[Death and Comfort in Modern Mexico](#)

10:00am – An Nguyen

Mentor: Jessica Asbell, Jessica Gonzalez

[The Problem of Astronomical Metaethics: Ethically Transition to A Post-Anthropoc Moral Framework](#)

10:30am – Leilani Perez

Mentor: Jessica Asbell, Jessica Gonzalez

[Posthumous Autonomy and Scientific Responsibility: The Ethical Dilemma of Chandrasekhar's Sealed Envelope](#)

11:00am – Reyna Ly

Mentor: Melissa Ferguson, Hannah Kang

[The Effects of Authoritarian Parenting on Children's Internalizing and Externalizing Behaviors](#)

Student Union Room 213- Oral Presentations

Each oral presentation has a 20-minute time allotment: 15 minutes for the presentation and 5 minutes for questions. Followed by a 10-minute break.

9:00am – Hannah Egar

Mentor: Rachel Ridnor, Jordan Stanton

["Tó éi iiná" - Water is Life](#)

9:30am – Madison Garner

Mentor: Rachel Ridnor

[Disparity Under the Law: Crack vs Powder Cocaine and the Impact of the 2010 Fair Sentencing Act](#)

10:00am – Mia Chong

Mentor: Rachel Ridnor

[Stratification by Design: How Gender Shapes Suicide Statistics](#)

10:30am – Brianna Garcia

Mentor: Rachel Ridnor

[Beyond the Theory: The Real-World Impact of Broken Windows Policing](#)

11:00am – Bryan Foster

Mentor: Ellen Bistline

[Looking Away: Observation and Avoidance in Dickens](#)

Student Union Room 214- Oral Presentations

Each oral presentation has a 20-minute time allotment: 15 minutes for the presentation and 5 minutes for questions. Followed by a 10-minute break.

9:00am – Alina Goddard

Mentor: Amy Hellman, Erin Gratz

[The Impact of Underdosing Sugammadex](#)

9:30am – Quincy Tathanhlong

Mentor: Shirley Gonzales

[Polycyclic Aromatic Hydrocarbon Contaminants in the Great American Grill](#)

10:00am – Charlie Sabovich

Mentor: Jill Parsell

[Impact of Implantation Weight on Outcomes in Pediatric Ventricular Assist Device Support as a Bridge to Transplantation](#)

10:30am – Hanna Ueno

Mentor: Jamie Hitchings

[How Free Games Make Money and Influence Players](#)

11:00am – Kaelen Jones

Mentor: Brent Rudmann

[The Impact of Scandinavian Spirituality on Weaponry](#)

11:30am – Viet Khai Linh Le, Long Uy (Danny) Tang, Catherine Phung

Mentor: Chih Lew

[Role of Caffeine as an Adjuvant in Pain Management by Its Interaction with Adenosine Receptors](#)

Posters and Exhibitions of Work- Session 1

9:00am – 10:30am

College Center Ballrooms A & B

Session 1: Odd number Posters & Exhibitions

1. Alison McCracken - Poster Presentation

Mentor: Michelle Tu

[Using Freeze-Drying to Increase Shelf Life and Accessibility of Spent Grain Flour](#)

3. Anna Balogh - Poster Presentation

Mentor: Ann Marie Williams

[The Rift Between College Students and Politics](#)

5. Danny Luu, Chloe Pham, Ryan Bienstock, Htoo Aung Khant, Javier Gracida, Devin Yarak, Giovanni Padron, Slater Schaaf, Kyle Huynh, Abram Tran, Joshua Rosenthal, Haylie Tran, Rudy Haney, Quy Pham, Nathan Ly, Malak Abdelwahab, Kyle Harris, Mary Pham, Erika Munoz, Matthew Pelayo – Exhibition

Mentor: Vu Phan

[Design and Prototyping of a Multi-Mission Exploration Rover for the 2027 University Rover Challenge](#)

7. Edward Pastor, Minh Le - Poster Presentation

Mentor: Mary Blasius

[High-Resolution Aerial Monitoring of Phytoplankton in Narrow Estuarine Channels: Addressing Spatial Data Gaps at Bolsa Chica](#)

9. Ethan Tarrosa, Payton Johncour, Alejandro Cruz, Jacob Bensley, Josh Tang - Exhibition

Mentor: Angelo Esposito, Reyan Patriquin

[Bin-Telligence: A Convenient Way to Recycle](#)

11. Hinata Takashiba - Poster Presentation

Mentor: Stephanie Lemus

[Peer-based Normative Conformity During Adolescence](#)

13. Iuliana Cherevko, Long Nguyen, Nathan Phan, Mary Pham, Jay Gleeson - Exhibition

Mentor: Angelo Esposito, Reyhan Patriquin

[Cognitive Integration and Reinforcement for Concentration Aid \(CIRCA\)](#)

15. Kailey Neri, Natalie Hormaza - Poster Presentation

Mentor: Amy Hellman

[Los Angeles/Long Beach Port Pollution: Health Impacts and Exposure Disparities](#)

17. Marina Redfearn - Poster Presentation

Mentor: Jessica Asbell

[The Question At The Heart of Every Galaxy](#)

19. Morgan Downie, Hannah Thompson, Anna Jensen - Poster Presentation

Mentor: Michelle Tu

[The Formulation and Rationale for Girl Juice](#)

21. Nate Gamboa - Poster Presentation

Mentor: Kelli Elliott

[Landfills to Landfills: How We Can Impact Change](#)

23. Orion Calef - Exhibition

Mentor: Kevin Scianni

[Woman's Costume from 1905](#)

25. Rosalie Farbelow, Stephany Avila, Nathan Gamboa - Poster Presentation

Mentor: Melissa Ferguson

[The Effect of Self-Compassion on Self-Esteem](#)

27. Sabrina Webber - Poster Presentation

Mentor: Rachel Ridnor

[Redefining Beauty: The Influence of Cultural Standards on African American Women's Perceptions of Beauty and Self-Esteem](#)

29. Solana Miller - Poster Presentation

Mentor: Kelli Elliott

[Natural Filters or Urban Runoff?](#)

31. Steve Lee - Poster Presentation

Mentor: Jerome Fang

[Black Hole Cosmology and Testable Solution for the Fine-tuning Problem](#)

33. West Miner - Exhibition

Mentor: Jessica Asbell

[Space Cows Odyssey \(A journey into game design and learning\)](#)

35. Derek Lund - Poster Presentation

Mentor: Angelo Esposito, Derek Honkawa

[CFD-Based Aerodynamic Design and Experimental Validation of a High-Power Competition Rocket](#)

37. Mason Alexis - Poster Presentation

Mentor: Daniel Kuo

[Risk Perception and Cognitive Reflection as Predictors of Decision Accuracy in Poker-Based Scenarios](#)

Performance

10:40am – 11:00am

College Center Ballrooms A & B

James Pham - Performance

Mentor: Angelo Esposito

[Engineered Movement - A Dance Performance](#)

Posters and Exhibitions of Work- Session 2

11:00am – 12:30pm

College Center Ballrooms A & B

Session 2: Even number Posters & Exhibitions

2. Angeline Nguyen - Poster Presentation

Mentor: Dianna Stifter

[The Role of Social Support in Building Self-Efficacy and Resilience](#)

4. Courtney Roum - Poster Presentation

Mentor: Jarren Gonzales

[Exposure & Response Prevention vs Other Treatments for Obsessive Compulsive Disorder](#)

6. Dylan Thai - Poster Presentation

Mentor: Angelo Esposito

[A 3-Axis Robotic System for Enhanced Surgical Precision](#)

8. Erin Kim - Poster Presentation

Mentor: Ho Lee

[Short and Long-Term Effects of Environmental Regulation on Businesses](#)

10. Gretchen Lerma - Exhibition

Mentor: Kevin Scianni

[Chance](#)

12. Hoa (Van) Ho, Alyssa Cabahug, Mariah Huizar - Poster Presentation

Mentor: Dean Abernathy

[Cubed Comfort](#)

14. Jenny Pham - Poster Presentation

Mentor: Laura Millard

[Comparison of 17 \$\beta\$ -estradiol versus conjugated equine estrogen and its effect on breast cancer risks and mortality](#)

16. Linda Nguyen, Phillip Ngo, Ocean Nguyen, Yoonie Pak - Poster Presentation

Mentor: Melissa Ferguson

[What Influences Perceptions of AI Misconduct and General AI Use?](#)

18. Marty Golub - Poster Presentation

Mentor: Jerome Fang

[Kepler's 2nd Law of Planetary Motion - A Study and Demonstration](#)

20. Naol Dufera - Poster Presentation

Mentor: Jerome Fang

[Conceptual Design and Performance Evaluation of a Stirling-Driven Small Modular Nuclear Reactor](#)

22. Omar Gallo, Isis Abundis - Poster Presentation

Mentor: Melissa Ferguson

[Color, Memory, and Comprehension](#)

24. Parsa Bashiri - Poster Presentation

Mentor: Erin Gratz

[Are We Drained or Do We Believe We Are? Willpower and Depletion Sensitivity](#)

26. Ryan Bienstock - Exhibition

Mentor: Angelo Esposito

[Robotic Arm](#)

28. Samuel Elzanny - Exhibition

Mentor: Angelo Esposito, Daniel Kreun

[Ferox CNC V2](#)

30. Stephanie Davis - Exhibition

Mentor: Kevin Scianni

[Growing Pains](#)

32. Thien An Truong, Ngoc Anh Vy Pham - Poster Presentation

Mentor: Justin Jang

[A Critical Assessment of YOLOv8n in High-Complexity Waste Environments](#)

36. Allegra Vidali - Poster Presentation

Mentor: Vesna Kuo

[From Feed to Ballot: How Social Media Algorithms Shape Voter Preferences](#)