



CAL POLY

2024 CSU Student Research Competition

Awards Ceremony

Congratulations!

Dr. Dawn Neill, Ph.D.
Interim Vice
President, Research



CAL POLY



We think that you are all
amazing! ❤️

Dr. Jane Lehr (she/they)

2nd Place

- Rocci Vizzusi, "Exploring the Mechanisms Linking Childhood Trauma to Adult Depression"
- Session 1: Behavioral, Social Sciences & Public Administration (graduate) I



1st Place

- Jessica Orea, "Association Between Distress Tolerance and Cannabis Dependence Stronger for Under-Represented Minorities Among U.S. Young Adults"
- Session 1: Behavioral, Social Sciences & Public Administration (graduate) I



2nd Place

- Anna Dion, James Roake, Kate Mayeda & Nicholas Elich "Chronic Disease Prevalence among Patients attending a Free Clinic on the Central Coast of California"
- Session 2: Behavioral, Social Sciences & Public Administration (undergraduate) I



CAL POLY

1st Place

- Annabella Garcia, "Changing Assumptions on Decorative Features of Defensive Technology in Experimental Archeology, Using Ichcahuipilli Armor"
- Session 2: Behavioral, Social Sciences & Public Administration (undergraduate) I



2nd Place

- Yishen Lee, "Mommy Knows Best: Genetic and Circuit basis of female *Drosophila* decision making"
- Session 3: Biological & Agricultural Sciences (graduate) I

CAL STATE
EAST BAY

1st Place

- Hanna Franklin, "Uncovering the Mechanisms of Gene Amplification by Investigating the Roles of Various DNA Double-Strand Break Repair Elements in *Acinetobacter baylyi*"
- Session 3: Biological & Agricultural Sciences (graduate) I



2nd Place

- Belle Glaesman & M. Zubair Mahyar , "Antibiotic Depletion of Gut Microbiota Significantly Impairs Courtship Behavior in *Drosophila Melanogaster*"
- Session 4: Biological & Agricultural Sciences (undergraduate) I



SACRAMENTO
STATE

1st Place

- Mariana Jimenez & Ilia Borromeo, "Exploring the Recovery of the Pismo Clam (*Tivela stultorum*) in the Monterey Bay"
- Session 4: Biological & Agricultural Sciences (undergraduate) I



California State University
MONTEREY BAY

2nd Place

- Hailey Brooks & Christine Pagaduan, "Exploring the Influence of Sustainability on Consumer Wine Choices"
- Session 5: Business, Economics & Hospitality Management (U/G)

SONOMA STATE
UNIVERSITY

1st Place

- Michael Romero, "AI Revolution: Unleashing the Power of Sentiment Driven Trading Strategies"
- Session 5: Business, Economics & Hospitality Management (U/G)



CALIFORNIA STATE UNIVERSITY
BAKERSFIELD

2nd Place

- isa cook, "Material Analysis of PLA Shiitake Composite"
- Session 6: Engineering & Computer Science (undergraduate) I



1st Place

- Maggie Hoang & Alex Ov, "Battery As iNtegrated Structure High Endurance Experimental UAV, Robotics"
- Session 6: Engineering & Computer Science (undergraduate) I



2nd Place (tied down to the decimal point)

- Sierra Aguilar & Katie Williams, "Evening Sleep Chronotypes are at Higher Risk of High Sugar Consumption due to Greater Sweet Taste Preference"
- Session 7: Health, Nutrition & Clinical Sciences (U/G) I



2nd Place (tied down to the decimal point)

- Triniti Gistand, "A Mixed Methods Study of Barriers and Facilitators to Mindfulness-Based Weight Loss among Latina Women"
- Session 7: Health, Nutrition & Clinical Sciences (U/G) I

CAL STATE
EAST BAY

1st Place

- Harrison Oen, Isabelle Starr & Jonah Adams "In vitro silicone-based blood vessel mimics to evaluate devices used to treat stroke"
- Session 7: Health, Nutrition & Clinical Sciences (U/G) I



CAL POLY



2nd Place

- Patrick Lawler, "Petroglyph Preservation through Public Interpretation at Valley of Fire State Park"
- Session 8: Humanities & Letters (Graduate)

SONOMA STATE
UNIVERSITY

1st Place

- Brittney Grotz, "A Tale of Two Titans: A Cluster Analysis of Media Blame Framing in the Expulsion of Tennessee House Representatives Justin Jones and Justin Pearson"
- Session 8: Humanities & Letters (Graduate)



2nd Place

- Zoe Panagopoulos, "Coverage Gaps During Medicaid Unwinding"
- Session 9: Interdisciplinary (U/G)



1st Place

- Lucy Pavana, "Simultaneous inhibition of sEH and FAAH alleviates inflammatory pain in rats"
- Session 9: Interdisciplinary (U/G)

CAL STATE
EAST BAY

Honorable Mention

- Noella Younan, "Characterization of Toluene o-Xylene Monooxygenase for the Metabolism of Coumarin"
- Session 10: Physical & Mathematical Sciences (U/G) I



CALIFORNIA STATE UNIVERSITY
Stanislaus

2nd Place

- George Boston, "Supercritical CO₂ Extraction and Purification of Marrubiin"
- Session 10: Physical & Mathematical Sciences (U/G) I



CALIFORNIA STATE UNIVERSITY
BAKERSFIELD

1st Place

- Anoushka Lakshmi, "Exploiting the Metastable Brominated Diamond Surface for Amine Functionalization with Linear, Cyclic, and Branched Amines"
- Session 10: Physical & Mathematical Sciences (U/G) I



Honorable Mention

- Sarah Rohloff & Celine Ly, "The Lived Experiences of Transgender Athletes in Competitive Sports"
- Session 11: Behavioral, Social Sciences & Public Administration (graduate) II



2nd Place

- Isabel Araujo, "Making Stewardship First: Community and Collaboration in Collections Management Policy"
- Session 11: Behavioral, Social Sciences & Public Administration (graduate) II



1st Place

- Aundia Dianat, "The Biasing Nature of Gang Evidence: Inducing Memory Errors for Evidence of Past Criminal Behavior"
- Session 11: Behavioral, Social Sciences & Public Administration (graduate) II



Cal State LAlgo_badge

Honorable Mention

- Juliet Leyva, "Infant Movement Frequency & Duration Within the First Year of Life: A Longitudinal Case Study"
- Session 12: Behavioral, Social Sciences & Public Administration (undergraduate) II

Cal State Fullerton®

2nd Place

- Erica Axtell & Laura Fitzgerald, "Cross-linguistic Interactions in Bilinguals During Word Retrieval: A Cognate and Noncognate Study"
- Session 12: Behavioral, Social Sciences & Public Administration (undergraduate) II



1st Place

- Anber Choudhry, "The Psychophysiology of Vicarious Embarrassment"
- Session 12: Behavioral, Social Sciences & Public Administration (undergraduate) II



Honorable Mention

- Inaya Rehman, "The Impact of Social Isolation During COVID-19 on Self-efficacy and Academic Success Among SJSU Students"
- Session 13: Behavioral, Social Sciences & Public Administration (undergraduate) III



2nd Place

- Hailie Wood, An Analysis of the Intersection of Clinical Psychology and Human Sexuality through Non-normative Sexualities and Sex Therapy
- Session 13: Behavioral, Social Sciences & Public Administration (undergraduate) III



1st Place

- Josephine Fealy, "ACEs in Adulthood - Looking Beyond Negative Outcomes"
- Session 13: Behavioral, Social Sciences & Public Administration (undergraduate) III

CAL STATE
EAST BAY

2nd Place

- Vinicius (Vini) Bastos Ramiro Correa De Souza, "Examining the Role of Kelp Forest Transition Zones following a Deforestation Event"
- Session 14: Biological & Agricultural Sciences (graduate)
II

SONOMA STATE
UNIVERSITY

1st Place

- Preeti Sundaramurthi, "Decoding the sleep fly : One synapse at a time"
- Session 14: Biological & Agricultural Sciences (graduate) II

CAL STATE
EAST BAY

Honorable Mention

- Sonja Jackson & Angelina Guerrero, "The abundance of microplastics in recreational parks and fishing access areas along major rivers in the Central Valley, California"
- Session 15: Biological & Agricultural Sciences (undergraduate) II



CALIFORNIA STATE UNIVERSITY
Stanislaus

2nd Place

- Charles Godinez, "Antibody Selection for GeoMx Segmentation of Cell Sub-Populations in the Fallopian Tube Epithelial Mucosa"
- Session 15: Biological & Agricultural Sciences (undergraduate) II



1st Place

- Lily Nielsen, "Evaluating the effect of YB-1 phosphomimetics on HIV virion assembly"
- Session 15: Biological & Agricultural Sciences (undergraduate) II



CAL POLY



2nd Place

- Hollis LeGate, "For the Dead and Lonely: Original Play"
- Session 16: Creative Arts & Design (U/G)

SONOMA STATE
UNIVERSITY

1st Place

- Chasley Schoettle, "Dancing Beyond Boundaries"
- Session 16: Creative Arts & Design (U/G)



2nd Place

- Lucy Fuentes, "The Relentless Pursuit of College - Elevating the Voices of Former Foster Youth and Social Work Professionals"
- Session 17: Education (graduate)



1st Place

- Cassandra Henderson, "Priced Out of Opportunity: Investigating the Impact of California's Housing Burden on School Segregation and Black Student Achievement"
- Session 17: Education (graduate)



2nd Place

- Barbara Boone, "Exploring the Social and Emotional Effects on College Students Volunteering at a Campus Community Garden"
- Session 18: Education (undergraduate)



1st Place

- Hector Reyes, Xavier Aguilar & Chanel De Smet, "Nuestra Ciencia: Empowering bilingual students as scientists"
- Session 18: Education (undergraduate)



CAL POLY



2nd Place

- Bryce Jensen, "Cooperative Rendezvous and Landing for Heterogeneous UAV and UGV Systems"
- Session 19: Engineering & Computer Science (graduate)

SONOMA STATE
UNIVERSITY

1st Place

- Aries Chu, "Assessing Meaningful Visual and Tactile Feedback for Effective Automated Vehicle Takeover by Hearing and Non-Hearing Drivers"
- Session 19: Engineering & Computer Science (graduate)



2nd Place

- Sam Lloyd-Harry, "Effects of Varying PEGDA: PDMS Ratios and Polymer Concentration on the Mechanical Properties of Tissue Engineering Scaffold"
- Session 20: Engineering & Computer Science (undergraduate) II



1st Place

- Gerbert Funes Alfaro, "Infinity Foot Controller: A new means of below-the-elbow prosthesis control"
- Session 20: Engineering & Computer Science (undergraduate) II



2nd Place

- Emily Prince, Adam Marin, Serena Jenson & Chris Athens, "Inhibiting Iron Acquisition: A Novel Approach to UTI Treatment?"
- Session 21: Health, Nutrition & Clinical Sciences (U/G) II



CAL POLY

1st Place

- Ruby Barragan, "Investigating the effects of perinatal depression on postpartum depression by sex hormones"
- Session 21: Health, Nutrition & Clinical Sciences (U/G) II



2nd Place

- Raya Torres, "Reporting from Uvalde: A Survey of Long-term Stress Responses to Covering a Mass Shooting"
- Session 22: Humanities & Letters (undergraduate)



1st Place

- Caitlin Pambid, "Death to the Museum (As We Know It)"
- Session 22: Humanities & Letters (undergraduate)



Honorable Mention

- Oscar Murillo-Espinoza, "Arithmetical structures on canoe paddle graphs"
- Session 23: Physical & Mathematical Sciences (U/G) II



California State University
MONTEREY BAY

2nd Place

- Sequoia Andrade, "A Statistical Analysis of Wildland and Prescribed Fires in the Changing California Climate"
- Session 23: Physical & Mathematical Sciences (U/G) II



1st Place

- Katie Hermanson, "The Search for Non-Interacting Particles Experimental Hunt (SNIPE Hunt)"
- Session 23: Physical & Mathematical Sciences (U/G) II

CAL STATE
EAST BAY

