



Competition Award Winners

Session 1: Behavioral, Social Sciences and Public Administration - Graduate #1

1st Place:

Eric Pennino

California State University, Sacramento

Demystifying Undergraduate Research Experiences to Increase Access and Equity for Four-Year and Community College Students

2nd Place:

Isaac Ho

California State Polytechnic University, San Luis Obispo

Use of Preference Analysis to Identify Early Adopter Mind-Sets of Insect-based Food Products

Session 2: Behavioral, Social Sciences and Public Administration - Graduate #2

1st Place:

Ramon Ronquillo

Saba Rezvani

Chris Simmons

Khanh Phan

California State University, Dominguez Hills

Tattoos and six inch heels: A visual exploration of the meaning of clothing for adults with mobility disabilities

2nd Place:

Jean Pauline Serrano

California State University, Northridge

Home-School Cultural Value Mismatch, Anxiety, Academic Problems, and Self-Efficacy Among Underrepresented University Freshmen

Session 3: Physical and Mathematical Sciences – Undergraduate

1st Place:

Mauricio Gomez Lopez

California State University, Fullerton

Studying the Material Properties of an Active Suspension of Swimming Bacteria

2nd Place (tie):

Alisa Quon

Anna Nguyen

California State University, Los Angeles

Porphyritic Metal-Organic Frameworks for the Photocatalytic Detoxification of a Mustard Gas Simulant via Selective Oxidation

Felice Angelica Dacpano

Eli Frazer

California State University, Stanislaus

Analyzing the potential of toluene o-xylene monooxygenase in acetanilide metabolism by molecular modeling and site directed mutagenesis

Session 4: Biological and Agricultural Sciences - Graduate #1

1st Place:

Emma Siegfried

California State University, Long Beach

Effects of Ocean Acidification and Food Availability on Mortality Rates of California Grunion (*Leuresthes tenuis*)

2nd Place:

Savannah Weaver

California State Polytechnic University, San Luis Obispo

Additive Effects of Humidity and Temperature on Acclimation in a Lizard

Session 5: Biological and Agricultural Sciences - Graduate #2

1st Place:

Amanda Alker

San Diego State University

Genetic insights for a coral settlement chemical from bacteria

2nd Place:

Natalie Penticino

Humboldt State University

Characterizing the relationship of Lgl1 and AKT in migration of neural stem and progenitor cells

Session 6: Engineering and Computer Science – Mixed

1st Place:

Nikita Mishra

California State University, Los Angeles

Computational Characterizations of Binding Affinity in SARS-CoV-2 Variants to the Human ACE2 Receptor

2nd Place:

Mehrshad Mazaheri

California State University, Fullerton

High-speed machining of 2219 Aluminum utilizing Nanoparticle Enhanced MQL lubrication

Session 7: Engineering and Computer Science – Undergraduate

1st Place:

Andrew Wolfe

Sonoma State University

Low-Cost Ambient High-Frequency Radio Power Sensor

2nd Place:

Garrett Hentges

California State University, Bakersfield

Odd-Even Flexible Router for High Performance Network-on-Chips

Session 8: Business, Economics, and Hospitality Management

1st Place:

Marium Sarah

California State University, East Bay

Can a rewarding application drive Environment-friendly actions among individuals?

2nd Place:

Tai Reagan

Sonoma State University

Guillermo Mendoza

Examining a Brand Positioning Strategy for Small Winery Operators

Evelyn Kim

Session 9: Humanities, Arts and Letters - Undergraduate #1

1st Place:

Justise Wattree

San Jose State University

The Two-Front War: Self-Help, and Black Health Activism during The Spanish Flu, HIV/AIDS, and COVID-19

2nd Place:

Vaishalee Chaudhary

California State University, Long Beach

Postcolonial Development of Jury Trials: The Spread of Common Law Across The Globe

Session 10: Humanities, Arts and Letters - Undergraduate #2

1st Place:

Pamela deVega

San Diego State University

Spreading the Love: Comparing the 1986 Nonviolent Revolution in the Philippines to the 1989 Velvet Revolutions in Eastern Europe

2nd Place:

Wesley Mariscal

San Francisco State University

Climate Interference in Islamic Egypt

Session 11: Health, Nutrition, and Clinical Sciences – Graduate

1st Place:

Jane Clare Vosteen

San Francisco State University

Kristen Corsaro

A Comparison of Hip Strengthening Protocols and Pelvic Floor Muscle Training for Improving Pelvic Floor Muscle Strength and Pelvic Floor Dysfunction: Systematic Review and Meta-Analysis

2nd Place:

Eli Baginski

Humboldt State University

Skye Choi

Normative Values of College-Aged Men and Women for the 1.5-Mile Test on a Treadmill for Cardiorespiratory Fitness

Eden Marquez

Session 12: Education – Undergraduate

1st Place:

Shelby Chandar

California State University, Sacramento

Ryan Crum

Examining faculty use of inclusive and equitable language through the lens of course syllabi

2nd Place:

Nahui Gonzalez Millan

California State University, Stanislaus

Power of Guidance: Mentorship Need and Viability for Undocumented Student Populations

Session 13: Behavioral, Social Sciences and Public Administration - Undergraduate #1

1st Place:

Krystal Alvarez-Hernandez

California State University, San Marcos

Exposure to Childhood Abuse on Symptoms of Depression Across the Perinatal Period in Mexican/Mexican American Women

2nd Place:

Nidah Mohammed

California State University, Northridge

Session 14: Behavioral, Social Sciences and Public Administration - Undergraduate #2

1st Place:

Nevan Bell

California State University, Monterey Bay

Campus Perceptions of Policing and How to Improve Sense of Safety

2nd Place:

Leslie Gomez

California State University, Dominguez Hills

Lidar Study of Agricultural Landscape Usage & Food Security in the Northern Maya Lowlands

Session 15: Biological and Agricultural Sciences - Undergraduate #1

1st Place:

Madison Stewart

California State University, San Marcos

Defining the Relationship Between the Soil Microbiome and Crop Nutritional Content

2nd Place (tie):

Julia Teeple

California State University, Fullerton

Analyzing flow using accurate manta anatomy

Stephanie Varghese

California State University, Los Angeles

Drought and warming shift primary production in grasslands disproportionately by plant species and functional traits

Session 16: Biological and Agricultural Sciences - Undergraduate #2

1st Place:

Azeem Horani

California State University, Fullerton

Identification and Characterization of Nuclear Export Sequences in Polypyrimidine Tract Binding Protein 1

2nd Place:

Abigail McInnes

California State University, Sacramento

Investigating the Relationship Between Aggression and Longevity in Fruit Flies

Session 17: Education – Graduate

1st Place:

Ellre Villanueva-Ancheta

California State University, Monterey Bay

Lauren Frey

The Impact of Mentorship on Pre-PA Student Knowledge and Confidence

2nd Place:

Jacob Campbell

California State Polytechnic University, San Luis Obispo

Defining Mixed-Race College Students: Examining Graduation Gaps Between Multiracial & Monoracial Undergraduates

Session 18: Physical and Mathematical Sciences – Graduate

1st Place:

Elizabeth Kennedy

California State University, Chico

Naturally Occurring Asbestos in the Rock Formations of Paradise and Magalia,
CA

2nd Place:

Michael Wood
Kimberly Campos

California State University, Dominguez Hills
Air Pollution Distribution Among Vulnerable Populations in the South Los
Angeles Region

Session 19: Health, Nutrition and Clinical Sciences – Undergraduate

1st Place:

Tanvi Gehani

California State Polytechnic University, San Luis Obispo
Effect of Coconut Oil Intake in a Pig Model of Pediatric Non-Alcoholic Fatty
Liver Disease

2nd Place:

Makena Pollon

California State University, Long Beach
The Significance of Nationwide COVID-19 Pandemic Data and Individual
Factors During the Alpha Variant on Depressive and Anxiety Symptoms in
the U.S. Adult Population.

Session 20: Humanities, Arts and Letters - Graduate #1

1st Place:

Hannah McKinzie

California State University, Bakersfield
Humor and Housewives in the Postwar United States

2nd Place:

Mei (Mikaela) Huang

California State University, Sacramento
Structuralism in Literary Studies and the Role That It Plays in 2022

Session 21: Humanities, Arts and Letters - Graduate #2

1st Place:

Brittany Mondragon

California State University, San Bernardino
Flora's Forth Child: Race, Gender, and Nature in the Colonial British Caribbean

2nd Place:

Carrie Tully

Humboldt State University
Working Towards Land Return in Goukdi'n: A History of Genocide, and a Future
of Healing