

**25th Annual CSU Student Research Competition
Award Recipients**

Session 1

Behavioral and Social Sciences – Graduate

First Place Winner: Gary Scholze

California State University, Sacramento

Native American Root Use within Northeastern California and the Utilization of Starch Grain Analysis

Second Place Winner: Marianne Klumph

California State University, San Marcos

Adolescents Show an Enhanced Behavioral Response to Dissociative Drugs

Session 2

Behavioral and Social Sciences - Undergraduate

First Place Winner: Alex Liu

San Diego State University

Neuropsychological Functioning Predicts Occupational Attainment in an Indian Cohort

Second Place Winner: Arnold Farias

California State University, Northridge

Cuicapeuhcayotl (The Origin of Song): Revisiting the Cantares Mexicanos

Session 3

Biological and Agricultural Sciences- Graduate

First Place Winner: Jenny Gowan

California State University, Northridge

Coral-Algal Interaction Frequencies and Outcomes Along Gradients in Sedimentation and a Proposed Mechanism Underlying the Observed Patterns

Second Place Winner: Martis Cowles

San Diego State University

A Planarian Ortholog of Lissencephaly 1 is Required for Stem Cell Maintenance

Session 4

Biological and Agricultural Sciences - Undergraduate

First Place Winner: Samantha A. Lang

California State University, San Marcos

Chronic Calorie Restriction increased Mouse Immune Response but Did Not Protect against Parasite

Infection

Second Place Winner: Kevin Johnson

California State University, Monterey Bay

A Comparison of Cyanobacterial Abundance and Potential Toxicity In Two California Coastal Lakes

Session 5

Business, Economics, and Public Administration

First Place Winner: Chris Rosenlund

San Francisco State University

Examining Possible Effects of Telework Upon Career Advancement

Second Place Winner: Bree Nguyen

California State University, Dominguez Hills

Venture Capital Growth in Southern California: The New "Silicon Valley"?

Session 6

Education – Graduate

First Place Winner: Lena Moua

California State University, Stanislaus

Navigating Multiple Worlds: A Qualitative Study of the Lived Experiences of Hmong Women Leaders

Second Place Winner: David Wick

San Francisco State University

Study Abroad for Students of Color: A Third Space for Negotiating Agency and Identity

Session 7

Engineering and Computer Science – Graduate

First Place Winner: Victor Sanchez Escalera

California Polytechnic State University, San Luis Obispo

Enhancing Progressive Collapse Resistance of Steel Building Frames Using Thin Infill Steel Panels

Second Place Winner: Victor Mejia

California State University, Los Angeles

Automatic Detection for Tracking Moving Objects in H.264 Video Sequences Using Multiples Features and Gaussian Approximation

Session 8

Humanities and Letters – Graduate

First Place Winner: David Marks

California State University, Dominguez Hills

From the Will to Wessex to Arkham: Lovecraft's Geophilosophical Debt to Hard

Second Place Winner: Stacy Schwartz

San Jose State University

A Sign of the Times: Contemporary Post-Holocaust Art and Jewish Identity

Session 9

Physical and Mathematical Sciences – Undergraduate

First Place Winner: Kellan N. Candee and Melanie M. Miller

California Polytechnic State University, San Luis Obispo

Kinetics and Reactivity of 1-Arylbicyclo[n.1.0]alkanes

Second Place Winner: Coleman Dobson

California State University, Los Angeles

Saturn Ring Data Analysis and Thermal Modeling

Session 10

Behavioral and Social Sciences – Undergraduate

First Place Winner: Stacy Teeters

California State University, Bakersfield

The "Bi" in Ambiguity: Tolerance of Ambiguity and Attitudes toward Bisexual Women and Men

Second Place Winner: Michelle Calderwood

California State University, San Marcos

Behavioral Effects of Ketamine Depend on Route of Administration

Session 11

Biological and Agricultural Sciences- Graduate

First Place Winner: Andrew Core

San Francisco State University

*A New Honey Bee Threat- the Phorid Fly *Apocephalus borealis**

Second Place Winner: Erin Stanfield

California State University, Monterey Bay

Presence and Toxicity of Freshwater Cyanobacteria in Pinto Lake, Monterey Bay Area, California

Session 12

Biological and Agricultural Sciences – Undergraduate

First Place Winner: Duc Le

California State University, Long Beach

Lysine residues mediate antimicrobial activity of apolipoprotein III

Second Place Winner: Armbien Sabillo

San Francisco State University

*Tracking Cell Migration during Muscle Formation in *X. laevis* Embryos*

Session 13

Creative Arts and Design

First Place Winner: Jesus Santos

San Francisco State University

The Desert Xpandable House: Closing the Gap on Social Accessibility and Affordability in Green Housing

Second Place Winner: Laura Male, Elizabeth Hurst, and BriAnna Michelle Weldon

California State Polytechnic University, Pomona

Humans vs. Fire: Designing for Sustainable Living Along the Wildland-Urban Interface

Session 14

Engineering and Computer Science – Undergraduate

First Place Winner: Jon Haider

California State University, Fullerton

Effectiveness of Friction Dampers of Dissipation of Seismic Energy

Second Place Winner: Edgar Calcanas

California State University, Monterey Bay

Performance Analysis of a Delay Tolerant Routing Protocol

Session 15

Health, Nutrition, and Clinical Sciences

First Place Winner: Dalziel R. Soto

California State University, San Marcos

Preserving Lower Limb Muscle Function Following Spinal Cord Injury: Optimizing Robotic Training Techniques

Second Place Winner: Aubrey Smith

California Polytechnic State University, San Luis Obispo

Characterization and Implementation of a Decellularized Porcine Vessel as a Biologic Scaffold for a Tissue Engineered Blood Vessel Mimic

Session 16

Humanities and Letters – Undergraduate

First Place Winner: John Garcia
California State University, Dominguez Hills
Chicana/Chicano Indigenous Identity

Second Place Winner: Michelle Kittel
California State University, Stanislaus
Power and Prestige: Elite architecture at Los Naranjitos, El Paraiso, Western Honduras

Session 17

Interdisciplinary

First Place Winner: Darci Arnold
San Jose State University
Planet Building: A Case Study of Corporate Sustainability for a Globalized World

Second Place Winner: Maria-Isabel Rocha
California State University, San Marcos
Linking Coachella Farmworkers to Vital Resources

Session 18

Physical and Mathematical Sciences – Graduate

First Place Winner: Heemal Dhanjee
California State University, Northridge
The Total Synthesis of Dehydrorabelomycin and Derivatives

Second Place Winner: Jennifer Bonsangue
California State University, Channel Islands
Cubic Algebraic Surfaces