



CAL STATE LA

OFFICE OF RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

Annual Student Symposium on Research, Scholarship, & Creative Activities

First Overall Oral Presentation
Phi Kappa Phi
<u>Aundia Dianat</u> M.A. Psychology <i>The Biasing Nature of Gang Evidence: Inducing Memory Errors for Evidence of Past Criminal Behavior</i> Faculty Mentor: Dr. Mitchell Eisen
Second Overall Oral Presentation
Phi Kappa Phi
<u>Aaron Cruz</u> M.S. Biological Sciences <i>Blue Light as a Potential Antimicrobial Therapeutic Agent</i> Faculty Mentor: Dr. Hyunsook Park
Third Overall Oral Presentation
Phi Kappa Phi
<u>Frank Sposato</u> M.S. Social Work <i>The Impact of Education on Rural Ugandan Girls and Their Communities</i> Faculty Mentor: Dr. Jieru Bai
California State University, Los Angeles Delegates to the 38th Annual CSU Student Research Competition at Cal Poly San Luis Obispo on April 26-27, 2024
Behavioral and Social Sciences
Aundia Dianat M.S. in Psychology <i>The Biasing Nature of Gang Evidence: Inducing Memory Errors for Evidence of Past Criminal Behavior</i> Faculty Mentor: Dr. Mitchell Eisen
Ayse Durak M.S. Social Work <i>How Gender and Sexuality Influence Body Satisfaction</i> Faculty Mentors: Dr. Anh-Luu Huynh-Hohnbaum and Dr. Seth Kurzban

Francesca Masi

M.S. Social Work

The Mental Health Impact of True Crime Media

Faculty Mentors: Dr. Anh-Luu Huynh-Hohnbaum and Dr. Seth Kurzban

Biological Sciences**Jocelyn Alfaro**

M.S. Biological Sciences

Locomotor exercise on inflammatory and plasticity makers in severely contused spinal cord injured rodents

Faculty Mentor: Dr. Michael Joseph

Krishna Algosio

M.S. Biological Sciences

Investigating the Antibacterial Potential of Native Chumash Medicinal Plants

Faculty Mentors: Dr. Kirsten Fisher and Dr. Caryl Ann Becerra

Aaron Cruz

M.S. Biological Sciences

Blue Light as a Potential Antimicrobial Therapeutic Agent

Faculty Mentor: Dr. Hyunsook Park

Engineering and Computer Sciences**Stellina Ao**

B.S. Computer Science, Minors in Biomedical Engineering and Mathematics

A Beta Regression Model Using Fractal Dimensionality to Predict Imagined Grip Force from EEG for Applications in Brain-Computer Interfaces

Faculty Mentors: Dr. Deborah Won and Dr. Jie Zhong

Matthew Engquist

M.S. Materials Science

Scan-Strategies in Additive Manufacturing: Can We Control Microstructure?

Faculty Mentor: Dr. Mohsen Eshraghi

Humanities and Letters**Marineh Mousalu**

B.A. Anthropology

Dental Wear Indicative of Spinning Found in the Midnight Terror Cave Assemblage

Faculty Mentor: Dr. Kittiya Lee

Frank Sposato

M.S. Social Work

The Impact of Education on Rural Ugandan Girls and Their Communities

Faculty Mentor: Dr. Jieru Bai

The following students received an outstanding presentation award at the
Annual Student Symposium on Research, Scholarship, and Creative Activities
Oral Presentations

Behavioral and Social Sciences I
<p>Aundia Dianat M.S. in Psychology <i>The Biasing Nature of Gang Evidence: Inducing Memory Errors for Evidence of Past Criminal Behavior</i> Faculty Mentor: Dr. Mitchell Eisen</p>
<p>Bryan Gil Zamudio and Citlali Montes B.A. Psychology <i>The Dynamics of Group Deliberations in a Mock Trial: A Qualitative Analysis</i> Faculty Mentor: Dr. Alma Olaguez</p>
Behavioral and Social Sciences II
<p>Francesca Masi M.S. Social Work <i>The Mental Health Impact of True Crime Media</i> Faculty Mentors: Dr. Anh-Luu Huynh-Hohnbaum and Dr. Seth Kurzban</p>
<p>Theresa Marie Bernal B.S. Kinesiology <i>Knowledge, Opinions, and Perceived Behaviors toward Research among CSULA Undergraduate students</i> Faculty Mentor: Dr. Leila Rahnama</p>
Biological Sciences
<p>Aaron Cruz M.S. Biological Sciences <i>Blue Light as a Potential Antimicrobial Therapeutic Agent</i> Faculty Mentor: Dr. Hyunsook Park</p>
<p>Tammy Pham B.S. Biological Sciences, General Option <i>Investigation of nanoplastics neurotoxicity on SH-SY5Y human neuroblastoma cells</i> Faculty Mentor: Dr. Yixian Wang</p>
Humanities and Letters I
<p>Marineh Mousalu B.A. Anthropology <i>Dental Wear Indicative of Spinning Found in the Midnight Terror Cave Assemblage</i> Faculty Mentor: Dr. Michele Bleuze</p>

Marjorie Hunt

M.A. History

Flora, Fauna, Terra Firma: Landscapes of Portuguese America in Early Modern European Travelogues

Faculty Mentor: Dr. Kittya Lee

Humanities and Letters II**Frank Sposato**

M.S. Social Work

The Impact of Education on Rural Ugandan Girls and Their Communities

Faculty Mentor: Dr. Jieru Bai

James Carter

B.A. Anthropology; B.A. Music

A Discourse on Settler Colonialism

Faculty Mentor: Dr. Rafael Gomez

Engineering and Computer Science I**Matthew Engquist**

M.S. Materials Science

Scan-Strategies in Additive Manufacturing: Can We Control Microstructure?

Faculty Mentor: Dr. Mohsen Eshraghi

Albert Bernal and Marcello Canova

M.S. Mechanical Engineering

Validation of an Externally Heated Diverging Channel for Flame Speed Measurement

Faculty Mentor: Dr. Jeffrey Santner

Engineering and Computer Sciences II**Stellina Ao**

B.S. Computer Science, Minors in Biomedical Engineering and Mathematics

A Beta Regression Model Using Fractal Dimensionality to Predict Imagined Grip Force from EEG for Applications in Brain-Computer Interfaces

Faculty Mentors: Dr. Deborah Won and Dr. Jie Zhong

Dikshant Sagar

M.S. Computer Science

Deep Generative Models for New Ligand Discovery

Faculty Mentor: Dr. Negin Forouzesh

Physical Sciences**Genesis Barzallo**

M.S. Chemistry

GCxGC-FID Quantification of Olefins in Alternative Fuels Produced from Plastic Waste Conversion

Faculty Mentor: Dr. Petr Vozka

Jordan O'Kelley

B.S. Physics, General Option

Simulating Organic Molecules in the Protostellar Disk to Understand the Origins of Life

Faculty Mentor: Dr. Susan Terebey

The following students received an outstanding presentation award at the
Annual Student Symposium on Research, Scholarship, and Creative Activities
Poster Presentations

Behavioral and Social Sciences
<p>Katie Gekler B.S. Nursing <i>Power to Ignite the Heart</i> Faculty Mentors: Dr. Stefanie Varela</p>
<p>Mei Ku, Jordy Ocampo, and Lauren Perez Ph.D. Psychology, M.A. Psychology, B.A. Psychology <i>Examining the Construct Validity of Two Rumination Measures in a Predominantly Hispanic/Latino Sample</i> Faculty Mentor: Dr. Yvette Szabo</p>
Biological Sciences
<p>Leilani Corleto B.S. Biological Sciences, Minor in History <i>Utilizing molecular methods to identify a cryptic species in the rockfish genus Sebastes</i> Faculty Mentor: Dr. Andres Aguilar</p>
<p>Rachelle Soriano B.S. Biochemistry <i>Development of an Unbiased Cell Enumeration Protocol Using ImageJ to Assess Effect of Cytokines on Cell Proliferation</i> Faculty Mentor: Dr. Edith Porter</p>
Education
<p>Shira Levin M.S. Nutritional Science <i>The Search for Health: A Qualitative Analysis of Where People with Chronic Conditions Turn for Trusted Health Information</i> Faculty Mentor: Dr. Kathryn Hillstrom</p>
<p>Elizabeth Plascencia B.A. Psychology <i>Problem-solving and Social Learning Skills through Sing-along YouTube Videos</i> Faculty Mentor: Dr. Corinne Bower</p>
Engineering and Computer Science
<p>Alannys Argandona and Sophia Sherzai B.S. Electrical and Computer Engineering, Minor in Biomedical Engineering <i>Discrimination of Reach Direction Using Surface EEG Event Related Potentials</i> Faculty Mentors: Dr. Deborah Won</p>
<p>Julia Chavez M.S. Civil Engineering <i>Evaluation of Mg-Silicate Hydrothermal Chimneys Effectiveness for CO₂ Sequestration and Organic Adsorption</i> Faculty Mentor: Dr. Arezoo Khodayari</p>

Health, Nutrition, and Clinical Sciences

Kevin Diego-Perez

M.S. Chemistry

Optimizing Methods to Monitor the Degradation of individual Polyethylene Terephthalate Microplastics

Faculty Mentor: Dr. Yixian Wang

Matthew Christmann

B.S. Nursing

Public Awareness of Lead Toxicity

Faculty Mentor: Dr. Stacey A. Warner

Physical and Mathematical Sciences

Oliva Spanish

B.S. Applied Mathematics, Minor in Bioinformatics

Exploring the Relationship between the Intrinsic Properties of Proteins and Protein Degradation Rates

Faculty Mentor: Dr. Jamil Momand

Sudheendra Gamoji

M.S. Physics

Using blackbody radiation to reduce lens distortion of the U GO Telescope

Faculty Mentor: Dr. Marina Mondin

Matthew Tang

M.S. Chemistry

Uncovering Structure-Property Relationships for Photoactive Metal-Organic Frameworks in photocatalytic oxidation of organic sulfides

Faculty Mentor: Dr. Yangyang Liu