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
Aundia Dianat M.A. Psychology *The Biasing Nature of Gang Evidence: Inducing Memory Errors for Evidence of Past Criminal Behavior* Faculty Mentor: Dr. Mitchell Eisen
Second Overall Oral Presentation
Phi Kappa Phi
Aaron Cruz M.S. Biological Sciences *Blue Light as a Potential Antimicrobial Therapeutic Agent* Faculty Mentor: Dr. Hyunsook Park
Third Overall Oral Presentation
Phi Kappa Phi
Frank Sposato M.S. Social Work *The Impact of Education on Rural Ugandan Girls and Their Communities* 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 *The Biasing Nature of Gang Evidence: Inducing Memory Errors for Evidence of Past Criminal Behavior* Faculty Mentor: Dr. Mitchell Eisen
Ayse Durak M.S. Social Work *How Gender and Sexuality Influence Body Satisfaction* 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

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

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 Oragnic 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

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Poster Presentations

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

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