

OFFICE OF RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

Annual Student Symposium on Research, Scholarship, & Creative Activities

1st Overall Oral Presentation

Phi Kappa Phi

India Wesley-Cardwell

B.S. Biological Sciences, Option in Microbiology

Effect of TH 17 cytokines on the antimycobacterial activity of lung epithelial cell secretions

Faculty Mentor: Dr. Edith Porter

2nd Overall Oral Presentation

Phi Kappa Phi

Farzana Yasmin Boby

M.S. Electrical Engineering

Comparison of activity classification performance based on internal and external accelerometry for stimulation-based Parkinson's disease therapy

Faculty Mentor: Dr. Deborah Won

3rd Overall Oral Presentation

Phi Kappa Phi

Kavci Hirakawa

B.A. Communication Disorder; Au.D. Audiology

The Neuronal Measures of Auditory Processing in Speech Differentiation between English Monolinguals and Spanish-English Bilinguals

Faculty Mentor: Dr. Miwako Hisagi

Cal State University, Los Angeles State Delegates for the 37th CSU Student Research Competition at San Diego State University campus on April 28-29, 2023

Campus Delegates

Behavioral and Social Sciences I

Kayci Hirakawa

B.A. Communication Disorders; Au.D. Audiology

The Neuronal Measures of Auditory Processing in Speech Differentiation between English

Monolinguals and Spanish-English Bilinguals

Faculty Mentor: Dr. Miwako Hisagi

Kimia Lavasani

B.A. Psychology

Exploring Jurors' Qualitative Verdict Justifications

Based on Jury Instructions

Faculty Mentor: Dr. Alma Olaguez

Behavioral and Social Sciences II

Elicet Cifuentes

M.S. Kinesiology, Option I: Exercise Science

Critical health education: Using a cultural lens to teach young Latina girls about body image

Faculty Mentor: Dr. Saemi Lee

Juan Lindo

M.S. Kinesiology

"I'm Sorry You Feel That Way But That Wasn't My Intention": How to Apologize with Cultural Humility

Faculty Mentors: Dr. Saemi Lee and Dr. George Crocker

Humanities and Letters I

Katherine Lainez

M.A. Latin American Studies

The Erosion of Family Caused by 'Land Grabbing' in Honduras: Migration, Gendered

Expectations, and those left-behind in Honduras.

Faculty Mentor: Dr. Enrique Ochoa

Humanities and Letters II

Hazel Carias-Urbina

B.A. History, Minor in Latin American Studies

Conspirando en Los Angeles: History of Central American

Solidarity Organizing at MacArthur Park Faculty Mentor: Dr. Camille Suarez

Engineering and Computer Sciences II

Farzana Yasmin Boby

M.S. Electrical Engineering

Comparison of activity classification performance based on internal and external accelerometry for stimulation-based Parkinson's disease therapy

Faculty Mentor: Dr. Deborah Won

Biological Sciences

India Wesley-Cardwell

B.S. Biological Sciences, Option in Microbiology

Title: Effect of TH 17 cytokines on the antimycobacterial activity of lung epithelial cell

secretions

Faculty Mentor: Dr. Edith Porter

Jin Hyeok Yoon

M.S. Chemistry

Regiochemistry of the Singlet Oxygen Ene Reaction in Metal-Organic Frameworks

Faculty Mentors: Dr. Mathias Selke and Dr. Yangyang Liu

Harry Bevir

M.S. Biological Sciences

Dynamic localization of circadian clock proteins Rbp2 and KaiB in cyanobacteria

Faculty Mentor: Dr. Susan Cohen

The following students received an outstanding presentation award at the

Student Symposium on Research, Scholarship, and Creative Activities Oral Presentations

Behavioral and Social Sciences I

Kimia Lavasani

B.A. Psychology

Exploring Jurors' Qualitative Verdict Justifications Based on Jury Instructions

Faculty Mentor: Dr. Alma Olaguez

Teresa Virgen and Aundia Dianat

M.S. Forensic Psychology

Dynamics Between Defendant Race, Victim Race, and Racial Identity on Verdicts of Hispanic

Mock Jurors

Faculty Mentor: Dr. Mitchell Eisen

Behavioral and Social Sciences II

Brenda Romero

B.S Public Health

Identifying the Impact of Covid-19 on Southeast Asian American Subgroups

Faculty Mentors: Dr. Melanie Sabado-Liwag and Dr. Patchareeya Kwan

Elicet Cifuentes

M.S. Kinesiology, Option I: Exercise Science

Critical health education: Using a cultural lens to teach young Latina girls about body image

Faculty Mentor: Dr. Saemi Lee

Humanities and Letters I

Katherine Lainez

M.A. Latin American Studies

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Faculty Mentor: Dr. Enrique Ochoa

Humanities and Letters II

Hazel Carias-Urbina

B.A. History, Minor in Latin American Studies

Conspirando en Los Angeles: History of Central American Solidarity Organizing at MacArthur Park

Faculty Mentor: Dr. Camille Suarez

Robert Coronado, Jr.

M.A. History

Finding Rome in Michoacán: The Relación and the Spanish Renaissance in 16th-century New

Spain

Faculty Mentor: Dr. Manuel Aguilar-Moreno

Engineering and Computer Sciences I

Elizabeth Nunez

B.S. Civil Engineering

The Effect of Wildfires on the Properties of Clay – Civil Engineering Point of View

Faculty Mentor: Dr. Wing Shun Kwan

Yousef Ajrab

M.A. Materials Science and Engineering

Evolution of the mechanical properties of biodegradable materials with respect to time and aspect ratio

Faculty Mentor: Dr. Mathias Brieu

Engineering and Computer Sciences II

Harshil Kotamreddy

B.S. Computer Science and Mathematics AI-based TSA Passenger Arrival Prediction

Faculty Mentor: Dr. Jiang Guo

Farzana Yasmin Boby

M.S. Electrical Engineering

Comparison of activity classification performance based on internal and external accelerometry for stimulation-based Parkinson's disease therapy

Faculty Mentor: Dr. Deborah Won

Biological Sciences

India Wesley-Cardwell

B.S. Biological Sciences, Option in Microbiology

Effect of TH 17 cytokines on the antimycobacterial activity of lung epithelial cell secretions Faculty Mentor: Dr. Edith Porter

Jin Hyeok Yoon

M.S. Chemistry

Regiochemistry of the Singlet Oxygen Ene Reaction in Metal-Organic Frameworks

Faculty Mentors: Dr. Mathias Selke and Dr. Yangyang Liu

The following students received an outstanding presentation award at the **Student Symposium on Research, Scholarship, and Creative Activities**<u>Poster Presentations</u>

Behavioral and Social Sciences

Angela Shi

B.S. Biological Sciences

Levels of Grit, Self-Compassion, and Burnout in Nursing Students

Faculty Mentors: Dr. Stacey A. Warner and Professor Anthony Carnevali

Ivan Cobian

B.A. Psychology

Sex Differences in Sexual Attitudes and Homonegativity among LGBTQ+ Adults

Faculty Mentor: Dr. Heidi Riggio

Amber Pereira and Kazi Salsabil

M.A. Psychology, B.A. Psychology

Gender Differences in Factors AffectingAcademic Persistence

Faculty Mentor: Dr. Gaithri A. Fernando

Jiawei Xiang

B.A. Psychology

Less Pain with Darker Skin: Individual Racial Judgement on Social Pain Perception with

Presenting Variation in Human Features Faculty Mentor: Dr. Austin Attaway

Biological Sciences

Heidy Castellon

M.S. Biology

Iron acquisition: A possible target to treat hypervirulent Acinetobactor baumannii LAC-4

Faculty Mentors: Dr. Howard Xu

Vivian Pham

B.S. Biology

Reexamining Circumorbital Bones in Geckos

Faculty Mentor: Dr. Raul Diaz, Jr.

Bryan Garcia

M.S. Biology

Phenotypic characterization of an Acinetobacter baumannii LAC-4 mutant with the deletion of the heme oxygenase gene cluster (HOC)

Faculty Mentor: Dr. Howard Xu

Cindy Nguyen and Shanti Raminani

B.S. Biochemistry

Investigating the Effects of Thermolysis on the Purification of Recombinant Antifreeze Proteins Faculty Mentor: Dr. Xin Wen

Engineering and Computer Science

Janice Nguyen

M.S. Electrical and Computer Engineering

A Classification Model for Facial Landmark Tracking to Determine Sentence Types for

American Sign Language Recognition Faculty Mentor: Dr. Y. Curtis Wang

Catalina Lee

M.S. Mechanical Engineering

Design of Truss Structures Made of Linear Elastic Materials for Hyperelastic Anisotropic

Applications

Faculty Mentor: Dr. Mathias Brieu

Matthew Engquist and Amir Shakibi

M.S. Materials Science

Microstructural Analysis of Laser-Wire Direct Energy Deposition 316L Stainless Steel

Faculty Mentor: Dr. Moshen Eshraghi

Isaac Aldape Torres

M.S. Mechanical Engineering

Optimization of a Redox Flow Battery Power Cell for Clean Energy Storage

Faculty Mentor: Dr. John Christopher Bachman

Deep M. Bhatka, Roger Roldan and Anayely M. Saguilan

B.S. Computer Science; B.S. Mechanical Engineering; M.S. Mechanical Engineering Toward Experimental Dynamics and Fuzzy Control of an Inverted Pendulum – Cart System Faculty Mentors: Dr. Arturo Pacheco-Vega and Dr. Gustavo B. Menezes

Health, Nutrition, and Clinical Sciences

Sydney Tan

B.S. Nutritional Science

The Relationship Between Self-efficacy and Engagement in Healthy Behaviors Among Los Angeles Community Members Living with Chronic Conditions – A Qualitative Study Faculty Mentor: Dr. Kathryn Hillstrom

Physical and Mathematical Sciences

Arianna Camarena

M.S. Geological Sciences Environmental Hydrogeology

Groundwater Imprint on the Hydrochemistry of the Upper Los Angeles River above Sepulveda Basin

Faculty Mentor: Dr. Barry Hibbs

Juliann Panehal

M.S. Physics & Astronomy

The Inner Workings of a Protostar: A Chemical View of the Disk and Envelope of L1527

Faculty Mentor: Dr. Susan Terebey