CAL STATE LA

OFFICE OF RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

29th Annual Student Symposium on Research, Scholarship, & Creative Activities

1st Overall Oral Presentation

Phi Kappa Phi

Adaly Garcia and Kinsley Wang
M.S Chemistry; B.S Biochemistry
Plasmonic imaging of reduction of hydrogen peroxide at individual Prussian blue nanoparticles
Faculty Mentor: Dr. Yixian Wang

2nd Overall Oral Presentation

Phi Kappa Phi

Stephanie Varghese
B.S. Biology; Emphasis in Ecology, Evolution, and the Environment
Silica Gel Packets as a Novel Dehumidification Strategy for Enhancing Plant Drought Experiments
Faculty Mentor: Dr. Alexandra (Sasha) Wright

3rd Overall Oral Presentation

Phi Kappa Phi

Harshil Kotamreddy
B.S. Computer Science, Mathematics
Expanding the Usability of 3D Object Reconstruction Algorithms Using Salient Object Detection
Faculty Mentor: Dr. Jie Zhong

Cal State University, Los Angeles State Delegates for the 35th Annual CSU Student Research Competition, Cal Poly Pomona on April 30 - May 1, 2021

Campus Delegates

Group 1: Behavioral and Social Sciences I

Sandy Cordon, Jacqueline Samols, Elizabeth Alvarado, and Michael Zandona
Post-Baccalaureate Certificate in Audiology Assistant
Bilingual lips: Motor processing of second-language words
Faculty Mentor: Dr. Beatriz Barragan

Group 2: Biological Sciences

Janty Woojuh
M.S. Biochemistry
Comparative Analysis of Novel CRISPR-Edited Lipid Transfer Protein Genes in Arabidopsis thaliana and Oryza sativa
Faculty Mentor: Dr. Robert Vellanoweth

Stephanie Varghese
B.S. Biology; Emphasis in Ecology, Evolution, and the Environment
Silica Gel Packets as a Novel Dehumidification Strategy for Enhancing Plant Drought Experiments
Faculty Mentor: Dr. Alexandra (Sasha) Wright

Group 3: Engineering, Physical and Computer Sciences

Adaly Garcia and Kinsley Wang
M.S Chemistry; B.S Biochemistry
Plasmonic imaging of reduction of hydrogen peroxide at individual Prussian blue nanoparticles
Faculty Mentor: Dr. Yixian Wang

Harshil Kotamreddy
B.S. Computer Science, Mathematics
Expanding the Usability of 3D Object Reconstruction Algorithms Using Salient Object Detection
Faculty Mentor: Dr. Jie Zhong

Alberto Smith and Willmer Flores
M.S Chemistry; B.S Chemistry
The Modification of Metal-Organic Frameworks for Drug Delivery.
Faculty Mentor: Dr. Yangyang Liu

Group 4: Physical and Computer Sciences

George Percival
B.S. in Mathematics, B.A. in Sociology
Coloring Distance Graphs
Faculty Mentor: Dr. Daphne Der-Fen Liu

Joyce Quon
B.S. Mathematics
Density of Integral Sequences with Missing Separations
Faculty Mentor: Dr. Daphne Liu

Group 5: Business, Humanities and Arts

Christopher Fennessy
M.A. History
"The Most Amazing Chapter in the Southland's History": Mythmaking and Boosterism in the 1932 Los Angeles Olympics
Faculty Mentor: Dr. Christopher Endy

Group 6: Behavioral and Social Sciences II

Jan Olsar
M.A. History
"No More Caesars And Despotism In These Days": The Reception Of The Franco-Prussian War And The Unification Of Germany (1870-71) By German Americans In Baltimore
Faculty Mentors: Dr. Sara Pugach and Dr. Kittiya Lee

The following students received an outstanding presentation award at the
29th Annual Student Symposium on Research, Scholarship, and Creative Activities
Oral Presentations

Group 1 - Behavioral and Social Sciences I

Sandy Cordon, Jacqueline Samols, Elizabeth Alvarado, and Michael Zandona
Post-Baccalaureate Certificate in Audiology Assistant
Bilingual lips: Motor processing of second-language words
Faculty Mentor: Dr. Beatriz Barragan

Lauren Jacqueline Ristrom and Jade Marie Muci
B.A. Psychology
Falsely Identifying an Individual with a Distinct Marking Can Affect a Witness's Memory
Faculty Mentor: Dr. Mitchell Eisen

Group 2 – Biological Sciences

Stephanie Varghese
B.S. Biology; Emphasis in Ecology, Evolution, and the Environment
Silica Gel Packets as a Novel Dehumidification Strategy for Enhancing Plant Drought Experiments
Faculty Mentor: Dr. Alexandra (Sasha) Wright

Jonathan Chacon
M.S. Biology
Concurrent Activation of AMPK and mTOR Through Suppression of the Mitochondrial Adenylate Kinase 4
Faculty Mentor: Dr. Nathan Lanning

Group 3 – Engineering, Physical and Computer Sciences

Adaly Garcia and Kinsley Wang
M.S Chemistry; B.S Biochemistry
Plasmonic imaging of reduction of hydrogen peroxide at individual Prussian blue nanoparticles
Faculty Mentor: Dr. Yixian Wang

Harshil Kotamreddy
B.S. Computer Science, Mathematics
Expanding the Usability of 3D Object Reconstruction Algorithms Using Salient Object Detection
Faculty Mentor: Dr. Jie Zhong

Group 4 – Physical and Computer Sciences

Joyce Quon
B.S. Mathematics
Density of Integral Sequences with Missing Separations
Faculty Mentor: Dr. Daphne Liu

Parker Le
M.S. Applied Mathematics
Antimagic Labeling for graphs with a cycle and many 3-paths.
Faculty Mentor: Dr. Daphne Liu

Group 5 – Business, Humanities and Arts

Randall Lunetto and Mohsen Alam
B.S. Computer Information Systems, Option in information Technology
Hive on Yelp
Faculty Mentor: Dr. Jongwook Woo

Christopher Fennessy
M.A. History
"The Most Amazing Chapter in the Southland's History": Mythmaking and Boosterism in the 1932 Los Angeles Olympics
Faculty Mentor: Dr. Christopher Endy

Group 6 – Behavioral and Social Sciences II

Jan Olsar
M.A. History
"No More Caesars And Despotism In These Days": The Reception Of The Franco-Prussian War And The Unification Of Germany (1870-71) By German Americans In Baltimore
Faculty Mentors: Dr. Sara Pugach and Dr. Kittiya Lee

Steven Reyes
B.A. History
Rethinking Anthropophagy and Theophagy: Perspectives on Human Sacrifice and Cannibalism by Indigenous Americans and Europeans (1492 – 1800s)
Faculty Mentor: Dr. Kittiya Lee

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29th Annual Student Symposium on Research, Scholarship, and Creative Activities
Poster Exhibits

Behavioral and Social Sciences

Yuliana Lopez and Joann Ly
M.A. Psychology, M.A. Psychology
Self-Efficacy as a Romantic Relationship Partner: Links with Sexual Attitudes and Self-esteem
Faculty Mentor: Dr. Heidi R. Riggio

Amanda Rodriguez and Karina Quiroz
B.A. Communication Disorders; B.S. Public Health
Addressing Oral Health Disparities in the AIAN Community with Traditional Medicine Wheels
Faculty Mentor: Dr. Rita Ledesma

Ayomikun Orunesajo, Destinee Stewart, and Jazmin Ennis
B.S. Public Health, B.S. Social Work, B.S. Social Work
Mental Health Barriers Faced By Black Students
Faculty Mentor: Dr. Serie McDougal

Nina Khawam
B.A. Psychology
Attitudes toward Guns: Relations with Accurate Knowledge and NRA Membership.
Faculty Mentor: Dr. Heidi R. Riggio

Biological Sciences

Cindy Toscano
M.S. Biology
Proinflammatory Cytokines Increase Antimicrobial Peptide Human Beta Defensin-2 Expression in Alveolar Type II Cells and May Augment Antimicrobial Lipid Production

Faculty Mentor: Dr. Edith Porter

Engineering and Computer Science

Claire Villanueva-Weeks
M. S. Environmental Science, Geospatial Science
Validation of SMAP Level 3 soil moisture data products using ground-based measurements at agricultural sites
Faculty Mentors: Dr. Jingjing Li and Dr. Andreas Colliander

Jin Ping Lin and Nicholas Gerlits
B.S. Mechanical Engineering
Manganese and Copper Chloride Neutral pH Aqueous Flow Battery
Faculty Mentor: Dr. John Bachman

Physical and Mathematical Sciences

Louis Diaz
M.S. Mathematics
The relationship between Ramsey Theory, Topological Paths, and Spectra of Rings and Applications to Neuroscience
Faculty Mentor: Dr. Jose Mijares-Palacios

John Oliver Lobo
B.S. Chemistry
Modelling Lanthanide Extraction Selectivity Using Quantum Chemical Computation
Faculty Mentor: Dr. Olaseni Sode

Alisa Quon
B.S. Biochemistry
Novel Copper-Based Metal-Organic Frameworks with High Gas Storage Capacities
Faculty Mentor: Dr. Yangyang Liu