Student Research Symposium Awardees 2017

Congratulations to all!

1st Place Overall Oral Presentation at the Annual Student Symposium on Research, Scholarship, & Creative Activities

PKP Travel Award:

Don Clarke
M.S. Biology
*Development of A stem cell/ Gene therapy for Sanfilippo syndrome type B*
Faculty Mentors: Dr. Edith Porter and Dr. Michelina Iacovino

Cal State University, Los Angeles State Delegates for the 31th CSU Student Research Competition

Behavioral and Social Sciences I

Dulce Montiel
M.A. Psychology

*Media Use: Sleep, Well-Being, School-Belonging and Academic Performance*

Faculty Mentor: Dr. Kaveri Subrahmanyam

Gabriela Cedrê
M.S. Forensic Psychology

*False memories for evidence presented at trial*

Faculty Mentor: Dr. Mitchell Eisen

Behavioral and Social Sciences II

Kelly Ebeling
B.A. Psychology

*Neuroticism, Smoking, and Perceptions of Quality of Life in HIV Positive Persons*

Faculty Mentor: Dr. Durvasula

**Gredma Dalesy Casasola**

B.A. Latin American Studies

*"Fueron los Subversivos": Reconstructing Guatemala's Conflict Through Oral History*

Faculty Mentor: Dr. Ericka Verba, Dr. Enrique Ochoaa

**Biological Sciences I**

**Natalia Ukhlivanova**

B.S. Biochemistry

*Disaggregation of amyloid beta peptides by ginnalin A and related compounds: biophysical, bioanalytical, and cytotoxicity studies*

Faculty Mentor: Dr. Feimeng Zhou

**Biological Sciences II**

**Don Clarke**

M.S. Biology

*Development of A stem cell/ Gene therapy for Sanfilippo syndrome type B*

Faculty Mentors: Dr. Edith Porter and Dr. Michelina Iacovino

**Humanities and Letters**

**Katherine Mishler**

M.A. History
Concepts of Gender Sensationalized: Women and Their Industrial Injuries in Newspapers during World War I

Faculty Mentor: Dr. Carole Srole

Raquel Rojas
M.F.A Studio Arts and M.A. Art History
Un Camino Nuevo| A New Path
Faculty Mentor: Dr. Mika Cho

Physical and Mathematical Sciences I

Arianna Brown
M.S. Physics
Star Formation and AGN Activity: Correlation or Causation?
Faculty Mentor: Dr. Susan Terebey

Physical and Mathematical Sciences II

Grant Robinson
M.S. Mathematics
Coloring Distance Graphs
Faculty Mentor: Dr. Liu

The following students received an outstanding presentation award at the

25th Annual Student Symposium on Research, Scholarship, and Creative Activities

ORAL PRESENTATIONS

Behavioral and Social Sciences I
Jennifer Jones
B.A., Psychology

*Showups Conducted in the Real World: How the Additional-Opportunities Instruction Reduces False IDs*

Faculty Mentor: Dr. Mitchell Eisen

Gabriela Cedré
M.S. Forensic Psychology

*False memories for evidence presented at trial*

Faculty Mentor: Dr. Mitchell Eisen

**Behavioral and Social Sciences II**

Kelly Ebeling
B.A. Psychology

*Neuroticism, Smoking, and Perceptions of Quality of Life in HIV Positive Persons*

Faculty Mentor: Dr. Durvasula

Gloriana Lopez
M.A. Psychology

*Reporting the Unique Experiences of LGBTQ Women*

Faculty Mentor: Dr. Jessica Dennis

**Biological Sciences I**

Natalia Ukhlinova
B.S. Biochemistry

*Disaggregation of amyloid beta peptides by ginnalin A and related compounds: biophysical, bioanalytical, and cytotoxicity studies*
Faculty Mentor: Dr. Feimeng Zhou

Nathalie A. Del Rosario
M.S. Biochemistry

*The investigation and use of natural wax-based supports to control fluidic flow on paper-based platforms*

Faculty Mentor: Dr. Frank Gomez

**Biological Sciences II**

Don Clarke
M.S. Biology

*Development of A stem cell/ Gene therapy for Sanfilippo syndrome type B*

Faculty Mentors: Dr. Edith Porter and Dr. Michelina Iacovino

Karl Liboro
B.S. Microbiology

*Regulation of Biofilm Formation in Candida albicans by Yeast Casein Kinase 2*

Faculty Mentor: Dr. Hyunsook Park

**Engineering and Computer Sciences I**

Joseph Lucey
B.S. Civil Engineering

*Global prediction of flood magnitudes using NASA satellite products*

Faculty Mentor: Dr. Sonya Lopez

Joshua Baltazar
M.S. Mechanical Engineering

*Parametric Analysis of Laminar Flow Wavy Channel Fuel Cells*

Faculty Mentor: Dr. Arturo Pacheco-Vega

**Engineering and Computer Sciences II**

James Sunthonlap

M.S. Computer Science

*Test Framework for Availability, Reliability, and Performance of Cloud-Based Services*

Faculty Mentor: Dr. Jiang Guo

**Humanities and Letters**

Paula Sofia Ayala

B.A. Latin American Studies

*Title of Presentation- Performing Memory: Re-tracing Trauma as Intergenerational Healing*

Faculty Mentors: Dr. Ericka Verba and Dr. Enrique Ochoa

Raquel Rojas

M.F.A Studio Arts and M.A. Art History

*Un Camino Nuevo| A New Path*

Faculty Mentor: Dr. Mika Cho

**Physical and Mathematical Sciences I**

Arianna Brown

M.S. Physics

*Star Formation and AGN Activity: Correlation or Causation?*
Faculty Mentor: Dr. Susan Terebey

Hsinting Tseng
B.S. Business-Marketing

Assessing dust proxies in Atmospheric River events from the US west coastal states

Faculty Mentor: Dr. Staryl McCabe-Glynn

Physical and Mathematical Sciences II

Grant Robinson
M.S. Mathematics

Coloring Distance Graphs

Faculty Mentor: Dr. Liu

Wilson Lee
B.S. Chemistry

Optimization of the Fabrication of Microfluidic Paper-Based Analytical Devices (µPADs)

Faculty Mentor: Dr. Frank Gomez

The following students received an outstanding presentation award at the

25th Annual Student Symposium on Research, Scholarship, and Creative Activities

POSTER PRESENTATIONS

Behavioral and Social Sciences

Jingyi Zhang
M.A. Social Science

The Effect of Family Bicultural Socialization and Community on Bilingual Usage and Proficiency among Young Adult Immigrants

Faculty Mentor: Dr. Jessica Dennis

Alyssa Lawson

M.A. Psychology

The Effect of Conceptual and Procedural Explanations in Mathematical Transfer

Faculty Mentor: Dr. Ji Son

Sarah Diaz and Angie Barrera Alonso

M.A. in Education; Option: Educational Foundations

Gentrification and Transportation: Neoliberalism in Motion

Faculty Mentor: Dr. Allison Mattheis

Jonathan Perdomo, Vanessa Orozco, Jenny Velasco

B.S. Criminal Justice

Sexual Assault Policies in California’s University and College Websites

Faculty Mentor: Dr. Nicole Smolter

Biological Sciences I

Janielle Cuala

B.S. Biochemistry

Investigating the Role of Methylated Arginine Residues in PGC-1α, a Protein Implicated in Cellular Metabolism

Faculty Mentor: Dr. Cecilia Zurita-Lopez
Jonathan Aldana-Mendoza
B.S. Biochemistry

*Investigating the Role of the DYW Deaminase in RNA Processing*

Faculty Mentor: Dr. Michael L. Hayes

Joshua Silva
M.S. Biology

*Glioma Cell Proliferation Promoted by AK4 Regulated mTORC1 Pathway Activation*

Faculty Mentor: Dr. Nathan Lanning

Joshua Alvarado, Kadie Ishida, Helma Zecena and Jessica Hsueh
B.S. Biochemistry; B.S. Biology; B.S. Biology; B.S. Biochemistry

*Generation of Leigh Syndrome Cell Models*

Faculty Mentor: Dr. Nathan Lanning

Daisy Aguirre
M.S Chemistry: Biochemistry Option

*Cryoprotective Effects of Antifreeze Proteins on Enzymes*

Faculty Member: Dr. Xin Wen

**Biological Sciences II**

Roger Berton
M.S. Biological Science

*Establishing a Biofilm Assay with Mycobacterium smegmatis*
Faculty Mentor: Dr. Edith Porter

Maryam Setayesh
M.S. Biological Sciences
The Contribution of Cholesteryl Esters to the Antimicrobial Properties of the Alveolar Type II Cell Line A549
Faculty Mentor: Dr. Edith Porter

Business, Economics, and Public Administration
Timothy Hoang and Yin Kau Chan
B.S. Computer Information Systems
Data Analysis of Green Environment in California
Faculty Mentor: Dr. Shilpa Balan

Daniel Tran
M.S. Mathematics
Modeling and Forecasting Stock Market Prices with Sigmoidal Curves
Faculty Mentor: Dr. Melisa Hendrata

Engineering and Computer Sciences
Ianko Gueorguiev, Nazir Tokhi, and Alex Zaragoza
B.S. Mechanical Engineering; M.S. Mechanical Engineering
Rotation Friction Coefficients of Polymer Sheets under Vacuum
Faculty Mentor: Dr. Riccardo DeSalvo

Brian Chua and Segal Ismael
B.S. Civil Engineering - Transportation
Effect of Traffic Combination on Environmental Emissions
Faculty Mentor: Dr. Mehran Mazari

Health, Nutrition, and Clinical Sciences
Lloyd Ruiz
M.S., Kinesiology
*Body weight supported training modulates muscle NF-κB P65 expression induced by spinal cord injury*
Faculty Mentors: Dr. Stefan Keslacy and Dr. Ray de Leon

Physical Sciences: Chemistry and Geology
Samuel Garza
M.S. Biology
*Landscape Genomics of the Vernal Pool Tadpole Shrimp (Lepidurus packardi)*
Faculty Mentor: Dr. Andres Aguilar

Melanie Medina
M.S. Biology
*An analysis of sexual selection of cryptic nudibranchs of the Elysia tomentosa complex*
Faculty Mentor: Dr. Patrick J. Krug

Physical and Mathematical Sciences
Joshua Lugo and Audrey Kishishita
B.S. Chemistry, B.S. Microbiology
*Effects of Antifreeze Proteins on Calcium Carbonate Formation*
Faculty Mentor: Dr. Xin Wen

**Seth Linker**

M.S., Physics

*Measurement of Q Factor for Dielectric Coatings Used for Gravity Wave Detection*

Faculty Mentor: Dr. Riccardo DeSalvo

**Greta O’Dea and Morgan Shaner**

M.S., Physics

*ROLE OF AVALANCHES OF ENTANGLED DISLOCATIONS AS A SOURCE OF MECHANICAL NOISE IN HIGH PRECISION MEASUREMENTS*

Faculty Mentor: Dr. Riccardo DeSalvo

**Most Creative Poster Presentation**

**Maha A. Alharbi**

M.A. Art, Fashion, Fiber and Materials

*Culture and Technology: Abaya with 3D printer*

Faculty Mentor: Dr. Rebecca Davis and Professor Carole Lung