Student Research Symposium Awardees 2016
Congratulations to all!

1st Place Overall Oral Presentation at the Annual
Student Symposium on Research, Scholarship &
Creative Activity
PKP Travel Award:

Amaia Perta
M.S. Forensic Psychology
*Can Introducing Bias Against a Defendant Change Jurors’ Memory for Evidence?*
Faculty Mentor: Dr. Eisen

CSULA State Delegates for the
30th CSU Student Research Competition

**Arts, Humanities and Education**
Bradford Yamamoto Jr
B.A. Political Science
*Understanding Music Education Through the Lens of a Generalist: A Case Study of Teachers Beliefs*
Faculty Mentor: Dr. Anguiano

**Behavioral and Social Sciences**
Amaia Perta
M.S. Forensic Psychology
*Can Introducing Bias Against a Defendant Change Jurors’ Memory for Evidence?*
Faculty Mentor: Dr. Eisen

Christian Torres
B.A Latin American Studies & Pan-African Studies
*Todos Somos [We Are All] Ayotzinapa: Global Solidarity for the Missing 43*
Faculty Mentor: Dr. Verba

**Biological Sciences**
Kevin Murphy Parducho
B.S. Microbiology
*Human amniotic epithelial cells improve enzymatic activity and behavioral phenotype in mice with Ornithine Transcarbamylase Deficiency*
Faculty Mentor: Dr. Eivers

Don Clarke
M.S Biology
*Development of a Stem cell/gene therapy approach to treat Sanfilippo syndrome type B*
Faculty Mentor: Drs. Iacovino and Porter
Business, Economics, Public Administration and Health Care
Brittany Brinkman  
M.S. Healthcare Management  
*The Challenge with Change*  
Faculty Mentor: Dr. McGuire

Chemistry and Biochemistry
Ariana Gonzalez  
Co-authors: Lissette Estala and Michelle Gaines  
B.S. Biochemistry  
*Mixed Thread/Paper Based Microfluidic Chip as a Platform for Glucose Assays*  
Faculty Mentor: Dr. Gomez

Engineering and Computer Science
Kin Li  
M.S. Mechanical Engineering  
*Cooling System Optimization for a Terahertz Radiation Detector via Parametric Analysis of the Fluid-Solid Interaction Problem*  
Faculty mentor: Dr. Pacheco-Vega

Khashayar Olia  
M.S. Electrical Engineering  
*Control Strategy Development for Emission Reduction in a Hybrid Electric Vehicle*  
Faculty Mentor: Dr. Blekhman

Physical and Mathematical Sciences
Arianna Brown and Jonathan Barnes  
M.S. Physics  
*Determining the Youngest Protostars in NGC2264*  
Faculty Mentor: Dr. Terebey
The following students received an outstanding presentation award at the 24th Annual Student Symposium on Research, Scholarship and Creative Activities

ORAL PRESENTATIONS

Arts, Humanities and Education

Bradford Yamamoto Jr  
B.A. Political Science  
*Understanding Music Education Through the Lens of a Generalist: A Case Study of Teachers Beliefs*  
Faculty Mentor: Dr. Anguiano

Stephanie Amaya and Maisha Lassiter  
M.A. Psychology  
*High-impact educational practices: Paving the road to success in college.*  
Faculty Mentor: Dr. Fernando

Behavioral and Social Sciences I

Amaia Perta  
M.S. Forensic Psychology  
*Can Introducing Bias Against a Defendant Change Jurors’ Memory for Evidence?*  
Faculty Mentor: Dr. Eisen

Behavioral and Social Sciences II

Christian Torres  
B.A Latin American Studies & Pan-African Studies  
*Todos Somos [We Are All] Ayotzinapa: Global Solidarity for the Missing 43*  
Faculty Mentor: Dr. Verba

Richard Nicolas  
M.A. Anthropology; Option: Archaeology  
*Stones in Constructed Landscapes: Deciphering Lithic Artifacts from La Milpa Sinkhole (RB-25-A5)*  
Faculty Mentor: Dr. Brady

Biological Sciences I

Christopher DeMarco  
M.S. Biology  
*Squirrel CSI: Conservation of the Western Gray Squirrel in Griffith Park*  
Faculty Mentors: Dr. Muchlinski, Dr. Aguilar, Dr. Torres, and Mr. Cooper

Helen Ha  
B.S. Biochemistry; Minor: Forensic Science  
*Drug Exposure Studies on Freshwater Planarians*  
Faculty Mentor: Dr. Vargas

Biological Sciences

Kevin Murphy Parducho  
B.S. Microbiology  
*Human amniotic epithelial cells improve enzymatic activity and behavioral phenotype in mice with Ornithine Transcarbamylase Deficiency*  
Faculty Mentor: Dr. Eivers
Don Clarke  
M.S Biology  
*Development of a Stem cell/gene therapy approach to treat Sanfilippo syndrome type B*  
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**Business, Economics, Public Administration and Health Care**

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M.S. Healthcare Management  
*The Challenge with Change*  
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**Chemistry and Biochemistry**

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M.S. Mechanical Engineering  
*Cooling System Optimization for a Terahertz Radiation Detector via Parametric Analysis of the Fluid-Solid Interaction Problem*  
Faculty Mentor: Dr. Pacheco-Vega

**Khashayar Olia**  
M.S. Electrical Engineering  
*Control Strategy Development for Emission Reduction in a Hybrid Electric Vehicle*  
Faculty Mentor: Dr. Blekhman

**Catherine Tang**  
B.S. Mechanical Engineering  
*Laminated Cotton-Polyester-Based Microfluidic Fuel Cells*  
Faculty Mentor: Dr. Gomez

**Physical and Mathematical Sciences**

**Edward Ramirez**  
B.S. Electrical Engineering  
*Exploring the extrinsic nature of photon orbital angular momentum length scales*  
Faculty Mentor: Dr. Buren

**Arianna Brown and Jonathan Barnes**  
M.S. Physics  
*Determining the Youngest Protostars in NGC2264*  
Faculty Mentor: Dr. Terebey
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**POSTER PRESENTATIONS**

**Behavioral and Social Sciences**

**Kelly Ebeling and Cameron Chernobieff**
B.A. Psychology, B.A. Psychology
*Psychotherapy and perceptions of health and quality of Life in HIV positive persons.*
Faculty Mentor: Dr. Durvasula

**Nadia Syed**
B.A. Psychology
*Personality Disorders, HIV/AIDS, Stress, and Coping*
Faculty Mentor: Dr. Durvasula

**Dalton Menna and Desire’ Harriss**
M.A. Psychology, B.A. Psychology
*Preventing Attrition Consideration Among African American College Students*
Faculty Mentor Dr. Dennis

**Biochemistry Sciences**

**Chase Musson**
B.S. Chemistry
*Optimization of SDS-PAGE for the Separation of Small Covalently Modified Peptides*
Faculty Mentor: Dr. Cecilia Zurita-Lopez

**Ariga Bianca Yaghoobi and Rebecca Vargas**
B.S. Biochemistry
*Effects of antifreeze protein from cold-adapted beetle on thermal protection of lactate dehydrogenase*
Faculty Mentor: Dr. Xin Wen

**Biological Sciences**

**Maxine Bravo**
M.S. Biology
*AK4 loss counteracts nutrient-induced stress in cancer cells through activation of the AMPK pathway*
Faculty Mentor: Dr. Lanning

**Hugo Urritia and Abigail Aleman**
B.S. Biology
*Screen to identify the phosphatase that dephosphorylates the linker domain of Drosophila melanogaster Mad*
Faculty Mentor: Dr. Eivers

**Marlon Mendez**
B.S. Microbiology
*Different Modes of Action Between the Antimicrobial Peptides Human Beta-Defensin 2 and 3 in the Biofilm Inhibition of Pseudomonas aeruginosa*
Faculty mentor: Dr. Porter
Nicolette Pollock  
B.S. Biology, M.S. Biology  
*Establishing a protocol for the analysis of lipid accumulation in airway mucosa from patients with chronic rhinosinusitis*  
Faculty Mentor: Dr. Porter

**Engineering and Computer Sciences**  
Gabriela Martinez  
B.S. Civil Engineering  
*A Regional Framework for Evaluating Hydrologic Sensitivity to a Changing Climate using Best Management Practices*  
Faculty Mentor: Dr. Lopez

**Health, Nutrition and Kinesiology**  
Alejandra Rivas  
B.S Public Health; Option: Community Health  
*Gestational Diabetes as a Risk factor for Obesity and Type 2 Diabetes in Latino Children*  
Faculty Mentor: Dr. Toledo-Coral

Paula Garcia Rodriguez, Tyonie Patterson and Jane Lee  
Post-Baccalaureate Certificate Communication Disorders – Speech-Language Pathology  
*An Overview of Interventions for Late Talkers: What We Know, What We Need to Know*  
Faculty Mentor: Dr. Ellis

Terence Traughber Jr  
M.S. Kinesiology Exercise Science  
*Weight supported quadrupedal treadmill exercise improves insulin sensitivity in a rat model of spinal cord injury and diabetes*  
Faculty Mentor: Dr. de Leon

**Physical Sciences: Chemistry and Geology**  
Jose Castellon  
M.S. Chemistry  
*Probing the interactions between calcium carbonate crystals and a beetle antifreeze protein using an engineered antifreeze protein*  
Faculty Mentor: Dr. Wen

Audrey Kishishita and Joshua Lugo  
B.S. Microbiology, B.S. Chemistry  
*Effects of antifreeze polypeptides on calcium carbonate crystallization*  
Faculty Mentor: Dr. Wen