2015 Student Research Symposium Awards

President’s Awards for Outstanding Oral Presentations Overall ($500)

President’s Award for Research and Scholarship
Winner: Lisa A Wright, Psychology (Masters)
Title: The Role of Transformational Leadership Consensus and Innovation Climate Strength in Predicting Employee Attitudes
Mentor: Mark Ehrhart, Sciences

President’s Award for Research and Scholarship
Winner: Bryan M Hancock, Biology (Doctoral)
Title: Development of Zebrafish Models of Streptococcal Infection to Examine Host Pathogen Interactions and Disease Progression
Mentor: Kelly Doran, Sciences

President’s Award for Research and Scholarship
Winner: Rosa A Del Angel, Master of Public Administration (Masters)
Co-Presenter: Javier Gonzalez
Title: Bringing public good with the collaboration of government and non-government organizations
Mentor: Diana Verzi, Imperial Valley

President’s Award for Research and Scholarship
Winner: Aaron R Iffland, Education (Doctoral)
Title: Comparing Levels of Homophily and Intergenerational Closure Between Two-Year and Four-Year Students: A Propensity Score Matching Analysis Utilizing the Education Longitudinal Study of 2002
Mentor: Rafaela Santa Cruz, Education

President’s Award for Research and Scholarship
Winner: Carlos J Brambila, Bioengineering (Undergraduate)
Title: Droplet Microfluidics as a Means for High-Throughput Drug Screening in vivo
Mentor: Paul Paolini, Sciences

President’s Award for Research and Scholarship
Winner: Kathleen McCarty-Baker, Kinesiology (Masters)
Title: Inclusive Fitness: Adapting the Physical and Mental Environment in Fitness to Welcome Persons of All Abilities
Mentor: Jong Won Min, Health & Human Services

President’s Award for Research and Scholarship
Winner: Emanuel E Delgado, Geography (Masters)
Title: Culture and Gentrification in Barrio Logan
Mentor: Kate Swanson, Arts & Letters
**President’s Award for Research and Scholarship**
Winner: Kassandra Nearn, Anthropology (Masters)
Title: Undergraduate Research, Scholarship, and Creative Activity: Analyzing ‘What Counts’ through Qualitative Research Methods
Mentor: Geoffrey Chase, Education

**President’s Award for Research and Scholarship**
Winner: Jacqueline E Schnapp, Psychology (Masters)
Title: Grouping Stigmas by Perceived Benefits of Interventions: A Cluster Analysis
Mentor: Allison Vaughn, Sciences

**President’s Award for Research and Scholarship**
Winner: Gerardo Soriano, Chemical Physics (Undergraduate)
Title: A Theoretical Study on the Isomerization of the Cyclooctatetraenyl Radical
Mentor: Andrew Cooksy, Sciences

**President’s Awards for the Outstanding Creative Arts Presentations ($500)**

**President’s Award for the Creative Arts**
Winner: Bradley J Behrmann, Musical Theatre (Masters)
Title: Reclaiming the ‘Top Forty’: Broadway’s Relationship with Popular Music
Mentor: Robert Meffe, PSFA

**College Dean’s Awards for Outstanding Oral Presentations ($250)**

**Dean’s Award for Research and Scholarship - College of Arts and Letters**
Winner: Lori A Thurman, Anthropology (Masters)
Title: “I don’t know if I made the right decision”: Uncertainty and fluidity in vaccine decision making and implications for intervention.
Mentor: Elisa Sobo, Arts & Letters

**Dean’s Award for Research and Scholarship - College of Arts and Letters**
Winner: Megan A Zebert-Judd, Homeland Security (Masters)
Title: Material Representation: Narco Culture and Religiosity in New American Conception
Mentor: Edward Blum, Arts & Letters

**Dean’s Award for Research and Scholarship - College of Business Adminstration**
Winner: Caitlin Clark, Management (Undergraduate)
Co-Presenters: Tony Disarufino, Jamie Vandertuyn, Austin Anderson & Carisse Platt
Title: Sales for Social Impact: AZAB
Mentor: Daniel McGinley, Business Administration
Dean’s Award for Research and Scholarship - College of Business Administration
Winner: Freddie Lucena, Accounting (Undergraduate)
Caitlin Clark, Stefanie Davis
Title: Cakes Be We: Quality Cake Systems
Mentor: Donald Sciglimpaglia, Business Administration

Dean’s Award for Research and Scholarship - College of Education
Winner: Thomas R De La Garza, Education (Doctoral)
Title: Veterans in Postsecondary Education: Factor Analysis and Structural Equation Modeling Using the Community College Survey of Men (CCSM)
Mentor: J. Luke Wood, Education

Dean’s Award for Research and Scholarship - College of Education
Winner: Raymond M LaRochelle, Mathematics and Science Education (Doctoral)
Title: Observing Mathematical Caring Relations in the Classroom
Mentor: Lisa Lamb, Education

Dean’s Award for Research and Scholarship - College of Engineering
Winner: David J Curran, Mechanical Engineering (Masters)
Title: An Evaluation of Containment Materials for High Temperature Phase Change Metal Thermal Storage
Mentor: Fletcher Miller, Engineering

Dean’s Award for Research and Scholarship - College of Engineering
Winner: Matthew N Laue, Mechanical Engineering (Masters)
Title: A Comparison of Radiation Signature from Spreading Flames in Normal and Zero Gravity Environment
Mentor: Subrata Bhattacharjee, Engineering

Dean’s Award for Research and Scholarship - College of Health and Human Services
Winner: Ally Lu, Health Science (Undergraduate)
Co-Presenters: Dustin White & Kathryn Paras
Title: Measurements of Particulate Matter Air Pollution in Food Courts in San Diego’s Shopping Malls
Mentor: Zohir Chowdhury, Health & Human Services

Dean’s Award for Research and Scholarship - College of Health and Human Services
Winner: Emily A Schmied, Public Health (Doctoral)
Title: Predicting Parent Engagement in Family-Based Childhood Obesity Programs
Mentor: Hala Madanat, Health & Human Services

Dean’s Award for Research and Scholarship - College of Professional Studies and Fine Arts
Winner: Jazmyne A Sutton, Communication (Masters)
Co-Presenter: Anuja Majmundar
Title: Exploring the Influence of Social Norms, Risk and Social Identity on Youth Smoking Behavior
Mentor: Perry Pauley, PSFA
Dean’s Award for Research and Scholarship - College of Professional Studies and Fine Arts
Winner: Ian R Brazill, Communication (Undergraduate)
Co-Presenter: Darron DeVillez
Title: War Games: The Therapeutic Effects of Paintball on Active Duty Soldiers and Veterans
Mentor: Kurt Lindemann, PSFA

Dean’s Award for Research and Scholarship - College of Sciences
Winner: Mariangel Garcia, Computational Science (Doctoral)
Title: Proposing the San Quintin Bay Hydrodynamic Forecast System Through Data Assimilation Scheme.
Mentor: Jose Castillo, Sciences

Dean’s Award for Research and Scholarship - College of Sciences
Winner: Patrick K Goh, Psychology (Masters)
Title: Developing A Decision Tree For Clinical Identification Of Children Affected By Prenatal Alcohol Exposure I: Model Development
Mentor: Sarah Mattson, Sciences

Dean’s Award for Research and Scholarship - Imperial Valley Campus
Winner: Rob A Grijalva, Psychology (Undergraduate)
Title: Traumatic Events, Enculturation/Acculturation, Alcohol and Marijuana Use: Investigating Relationships
Mentor: Elizabeth Cordero, Imperial Valley

Provost’s Awards for Outstanding Poster Presentations ($150)
Provost’s Award for Research and Scholarship
Winner: Nicole M Edwards, School Psychology (Masters)
Title: Video Self-Modeling as a Reading Fluency Intervention for English Learners with Disabilities
Mentor: Katina Lambros, Education

 Provost’s Award for Research and Scholarship
Winner: Jordan C Weber, Speech Language and Hearing Sciences (Masters)
Title: ASL-LEX: A resource for investigating effects of sign frequency and iconicity for American Sign Language (ASL)
Mentor: Karen Emmorey, Health & Human Services

Provost’s Award for Research and Scholarship
Winner: Kelly Spoon, Computational Statistics (Doctoral)
Title: Utilizing Random Forests to Evaluate Pedagogy and Inform Personalized Learning
Mentor: Richard Levine, Sciences
**Provost’s Award for Research and Scholarship**
Winner: Carlos A Paz, Biochemistry (Undergraduate)
Title: Passage conditions for expansion of human midbrain neuronal progenitors
Mentor: Tom Huxford, Sciences

**Provost’s Award for Research and Scholarship**
Winner: Juan F Flores, Sociology (Masters)
Title: An Investigation Of The Effects Of Marriage On Psychological Distress and Individual Self-Rated Health: The Case Of Sexual Orientation
Mentor: Audrey Beck, Arts & Letters

**Provost’s Award for Research and Scholarship**
Winner: Alex J Smith, Civil Engineering (Masters)
Title: Storm Model Comparison in Rainbow Creek, San Diego with SWMM 5.1 and HEC-HMS 4.0
Mentor: Alicia Kinoshita, Engineering

**Provost’s Award for Research and Scholarship**
Winner: Kristin Perry, Psychology (Masters)
Title: Contextual Predictors of Foster Children’s Relational Aggression
Mentor: Joseph Price, Sciences

**Provost’s Award for Research and Scholarship**
Winner: Brandon A Givens, CMB (Masters)
Title: Mechanism of Group B Streptococcal Entry into Brain Endothelial Cells
Mentor: Kelly Doran, Sciences

**Provost’s Award for Research and Scholarship**
Winner: Javier Gonzalez, Public Administration (Masters)
Co-Presenter: Rosa Del Angel
Title: Bringing public good with the collaboration of government and non-government organizations
Mentor: Diana Verzi, Imperial Valley

**Provost’s Award for Research and Scholarship**
Winner: Zachary A Achen, Biology (Undergraduate)
Title: In Vivo Reprogramming of Muscle cells into an Endoderm Lineage Within the Vertebrate Model Danio Rerio
Mentor: Ralph Feuer, Sciences

**Provost’s Award for Research and Scholarship**
Winner: Alyssa Kim, Chemistry (Undergraduate)
Title: Cutting-edge synthesis for drug design fragments
Mentor: Thomas Cole, Sciences
Provost’s Award for Research and Scholarship
Winner: Andre Dharmawan, MBIO (Masters)
Title: Monitoring Proteolytic Cleavage on the Cell Surface with a Novel Cell-Based Assay
Mentor: Roland Wolkowicz, Sciences

The Charles Wei-hsun Fu Foundation Award for Research in Philosophy ($500)
The Charles Wei-hsun Fu Foundation Award for Research in Philosophy
Winner: Josh C Cangelosi, Philosophy (Masters)
Title: Belief, Acceptance, and Epistemic Responsibility
Mentor: J. Angelo Corlett, Arts & Letters

Creative Arts Research Excellence Award ($200)
Creative Arts Research Excellence Award
Winner: Kathryn A Stapko, MFA: Graphic Design (Masters)
Title: Mutable Typography: Development of the typeface Model Q and its relationship to Umberto Eco’s eponymous philosophical concept
Mentor: Arzu Ozkal, PSFA

Creative Arts Research Excellence Award
Winner: Liv Stevns Petersen, Musical Theatre (Masters)
Title: Toe and Heel: The Gender Roles of Tap Dance
Mentor: Robert Meffe, PSFA

Creative Arts Research Excellence Award
Winner: Kikau L Alvaro, Musical Theatre (Masters)
Title: Jack Cole: The Father of Theatrical Jazz Dance
Mentor: Robert Meffe, PSFA

Research Award for Diversity, Inclusion, and Social Justice ($250)
Research Award for Diversity, Inclusion, and Social Justice
Winner: Tatiana S Zozulya, Speech, Language and Hearing Sciences (Undergraduate)
Co-Presenters: Lindsay Kempf & Alyssa Yee
Title: Acoustic Changes Due to Impaired Speech Movements in Children with Cerebral Palsy
Mentor: Ignatius Nip, Health & Human Services

Research Award for Diversity, Inclusion, and Social Justice
Winner: Linda Salgin, Public Health (Masters)
Title: Evaluating the Receptiveness of Harvest of the Month in the Classroom Program Among Key Stakeholders
Mentor: Heather Corliss, Health & Human Services
Research Award for Diversity, Inclusion, and Social Justice
Winner: Sarah-Rosabelle R Barreyro, Doctor of Physical Therapy (Doctoral)
Co-Presenters: Jillian Gerbracht, Heather Lyons, Supamas Tseng, Jeffrey Wood & Antoinette Domingo
Title: Effects of Adaptive Practice on Motor Learning of Narrow Beam Walking
Mentor: Antoinette Domingo, Health & Human Services

Research Award for Diversity, Inclusion, and Social Justice
Winner: Natalie C Silance, Speech Language and Hearing Sciences (Undergraduate)
Title: Cross-Language Semantic Interference Effects During Picture Naming in Bimodal Bilinguals
Mentor: Karen Emmorey, Health & Human Services

Library Research Excellence Awards ($250)
Library Research Excellence Award
Winner: Kristine Taniguchi, Geography (Doctoral)
Title: Regional impacts of urbanization on stream channel geometry: Importance of watershed size and channel particle size
Mentor: Trent Biggs, Arts & Letters

Library Research Excellence Award
Winner: Mengxi Tian, Cell and molecular biology (Masters)
Title: Immune Mechanisms and Racial Disparities in Colon Cancer
Mentor: Kathleen McGuire, Sciences

Library Research Excellence Award
Winner: Marley A Hilleger, Microbiology (Undergraduate)
Title: Investigating Phage-encoded blaCTX-M1 in Influent and Effluent Samples from Wastewater Treatment Plants
Mentor: Stanley Maloy, Sciences

Library Research Excellence Award
Winner: Whitney C Oleman, Psychology (Undergraduate)
Co-Presenters: Jacob Melendez, Danielle Hunt, Stephanie Sanz & Jason Sibal
Title: The Effects of Ambient Sounds vs. Lyrical Music on Attention
Mentor: Claire Murphy, Sciences

Outstanding Compact Scholar Research Award ($500)
Outstanding Compact Scholar Research Award
Winner: Andres Bermudez, Biology (Undergraduate)
Title: Identification of a Group B Streptococcus Bacterial Factor that Promotes Tight Junction Disruption in Brain Endothelium
Mentor: Kelly Doran, Sciences
Women in Engineering Research Excellence Awards (1st - $150 & 2nd - $100)

Women in Engineering Research Excellence Award - 1st Place
Winner: Sharon M Macdonald, Civil Engineering (Masters)
Title: Strain Rate Effects on Stress Relaxation in Sands
Mentor: Julio Valdes, Engineering

Women in Engineering Research Excellence Award - 2nd Place
Winner: Gabriela J Sanz-Douglass, Aerospace Engineering (Masters)
Title: Post buckling Analysis and Optimization of Frame-Stiffened Stitched Composite Panels
Mentor: Satchi Venkataraman, Engineering

Undergraduate Studies Special Recognition ($150)

Undergraduate Studies Special Recognition
Winner: Katrina L Cable, Biology (Undergraduate)
Title: Keep your Sox on: SoxB1b is required for regeneration and maintenance of the nervous system in planarians
Mentor: Ricardo Zayas, Sciences

Undergraduate Studies Special Recognition
Winner: Lizet Serrano, Psychology (Undergraduate)
Title: Costa Rica’s National Identity And Its Effects On Policy Attitudes Regarding Ethnic Minorities
Mentor: Thierry Devos, Sciences

Undergraduate Studies Special Recognition
Winner: Dillon Burns, Chemistry (Undergraduate)
Title: Fluorescent Nucleotides
Mentor: Byron Purse, Sciences

Undergraduate Studies Special Recognition
Winner: Jacqueline M Emathinger, Biology (Undergraduate)
Title: Rejuvenation of Cardiac Progenitor Cells through PRAS40 mediated inhibition of mTORC1
Mentor: Mark Sussman, Sciences

Undergraduate Studies Special Recognition
Winner: Ryan Byron-Fields, Kinesiology (Undergraduate)
Title: The Effects of Exercise Induced Fatigue on a Static Balance Test
Mentor: Dann Goble, Health & Human Services

Undergraduate Studies Special Recognition
Winner: Jaco Van Niekerk, Biology (Undergraduate)
Title: Development of a Screening Platform to Identify Drugs that Reprogram Pancreatic Cancer Cells
Mentor: Pamela Itkin-Ansari, Sciences
**Undergraduate Studies Special Recognition**  
Winner: Gabrielle M Wagner, Psychology (Undergraduate)  
Title: Preliminary evidence for validity of an episodic-like memory test  
Mentor: Paul Gilbert, Sciences

**Undergraduate Studies Special Recognition**  
Winner: Sofia F Camacho, Speech, Language and Hearing Science (Undergraduate)  
Co-Presenters: Erika C. Lamb, Fernanda Manriquez, Analicia Ochoa, Megan E. Jeong & Carmen Causor  
Title: Cognate Status and Acoustic Cues Influence Language Activation in Spanish-English Bilinguals  
Mentor: Henrike K. Blumenfeld, Health & Human Services

**Undergraduate Studies Special Recognition**  
Winner: Jessica Coleman, Psychology (Undergraduate)  
Title: Exploring the Relationship Between Stress, Social Support and Self-Efficacy for Obtaining Cancer Diagnostic Care  
Mentor: Kristen Wells, Sciences

**Undergraduate Studies Special Recognition**  
Winner: Vito A Da Rosa, Psychology (Undergraduate)  
Co-Presenter: Nathan Echols  
Title: Attribution theory and familiarity's role on stigmatization.  
Mentor: Allison Vaughn, Sciences

**Common Theme (Food) Research Award ($150)**  
**Common Theme Research Award**  
Winner: Amelie Wagner, Marketing (Undergraduate)  
Title: Characterizing the small food store environment.  
Mentor: Iana Castro, Business Administration

**Common Theme Research Award: Food**  
Winner: Alma Behar, Public Health (Masters)  
Title: Child eating behaviors, parent feeding practices, and weight perceptions among low-income Latino families.  
Mentor: John Eldar, Health & Human Services