

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: Cassandra 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 Administration

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 Emathingier, 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