2019 Student Research Symposium Award Recipients

### Undergraduate Research Excellence Awards

**Yusur Alqaraghuli**

*Physiological defects associated with expression of myosin dilated cardiomyopathy mutations in a Drosophila model*

College of Sciences

**Mentor:** Sanford Bernstein

**Co-presenter(s):** Adriana Trujillo

**Shania Westmoreland**

*Discovering the role of long non-coding RNAs during pancreatic differentiation of human embryonic stem cells using dCas9 technology.*

College of Sciences

**Mentor:** Roland Wolkowicz

**Kyle Logan**

*The Electronics of DNA: Nucleoside Oxidation Potentials Determined via Fast Scan Cyclic Voltammetry*

College of Sciences

**Mentor:** Diane Smith

**Co-presenter(s):** Kian Abolhoda, Salma Abdulahi

**Ashley Schwartz**

*Mathematical and computational models analyzing the effect of common toxins on embryonic development in the zebrafish model*

College of Sciences

**Mentor:** Uduak George

**Co-presenter(s):** Emma Sully

**Maya Weissman**
Modeling the Coral Reef Microbiome and Black Band Disease
College of Sciences

Mentor: Naveen Vaidya

Sustainability Award sponsored by the Center for Regional Sustainability

Shruti Shertukde
Inhibition of enzymatic browning during protein isolation from mealworm (Tenebrio molitor) larvae.

College of Health and Human Services

Mentor: Changqi Liu

Research Awards for Diversity, Inclusion and Social Justice

Ethan Lopez
Review and qualitative analysis of trans and gender nonconforming experiences within eating disorders treatment

College of Arts and Letters

Mentor: Jerel Calzo

Research Awards for Diversity, Inclusion and Social Justice

Mariela Rodriguez
Navigating Cancer Care: Causal Beliefs and Treatment Choices at the US-Mexico Border

Imperial Valley Campus

Mentor: Linda Abarbanell

Co-presenter(s): Elvira Hernández, Summer Wong, Sahara Quiñonez, Alejandra Vásquez

Research Awards for Diversity, Inclusion and Social Justice

Cassandra Tanks
The Black Freedom Struggle and the Cold War

College of Arts and Letters

Mentor: Pierre Asselin

Research Awards for Diversity, Inclusion and Social Justice

Harsh Varshney
Communicating Sexual Violence in FratMANers to Create Change

College of Professional Studies and Fine Arts
Mentor: Patricia Gesit-Martin

**Charles Wei-hsun Fu Foundation Philosophy Award**

Michael Lin

*Fictionalism and Creatures of Fiction*

College of Arts and Letters

**Mentor:** Steven Barbone

**Library Award**

Britney Prince

*The Quality of Care Delivery For Patients Living With Alzheimer’s Disease and Related Dementias (ADRD) Who Are Diagnosed With Cancer: a Systematic Review*

College of Health and Human Services

**Mentor:** Melody Schiaffino

**Library Award**

Tyler Linvill

*Rompiendo Fronteras: A Qualitative Investigation of Mentors and Gang-Involved Youth in Cali, Colombia*

College of Arts and Letters

**Mentor:** Ramona Pérez

**Library Award**

John Gove

*Activism on the DL: The Gay Liberation Front at SDSU*

College of Arts and Letters

**Mentor:** Paula DeVos

**Library Award**

Sara Fakhoury

*Jewish Immigrant Children in 20th-century America: Dangling between Two Worlds*

College of Arts and Letters

**Mentor:** Eva Kornfeld
<table>
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<tr>
<th>Award</th>
<th>Name</th>
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<th>College</th>
<th>Mentor</th>
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<tr>
<td>Library Award</td>
<td>Amanda Farr</td>
<td><em>Use of Community Based Participatory Research among Queer Adolescents</em></td>
<td>College of Health and Human Services</td>
<td>Eric Walsh-Buhi</td>
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<td>Women in Engineering Award</td>
<td>Geovana Callasans Veras Pessoa</td>
<td><em>Effect of Creep Loading on the Performance of E-Glass/Vinyl-ester Laminated Composites</em></td>
<td>College of Engineering</td>
<td>George Youssef</td>
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<tr>
<td>Women in Engineering Award</td>
<td>Alyssa Jaramillo</td>
<td><em>Mapping Potential Contamination Sources in the San Diego River Watershed</em></td>
<td>College of Engineering</td>
<td>Alicia Kinoshita</td>
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<td>Award for Outstanding</td>
<td>Brenda Taulbee</td>
<td><em>Disappearing Act</em></td>
<td>College of Arts and Letters</td>
<td>Blas Falconer</td>
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<tr>
<td>Creative and Performing Arts</td>
<td>Andres Wong</td>
<td><em>4 EKGs in A Minor: A Piece for Peace for Our Time and for All Time</em></td>
<td>College of Professional Studies and Fine Arts</td>
<td>Andrew Aziz</td>
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Arts Exhibit Award

Adam Parrocha
*The Scenic Design of "Mas"*
College of Professional Studies and Fine Arts
Mentor: Charles Murdock Lucas

Dean's Award: Arts and Letters

Tiana Hodzic
*The Socialization of Resilience in Internally Displaced Persons Resettlements in Georgia*
College of Arts and Letters
Mentor: Doreen Mattingly

Dean's Award: Arts and Letters

Eric Johnson
*The Sacramento Squatters' Riots of 1850*
College of Arts and Letters
Mentor: Eve Kornfeld

Dean's Award: Fowler College of Business

Taylor Perry
*Social Network Analysis of Online Social Media Data-based Research on Electronic Cigarettes*
Fowler College of Business
Mentor: Erlinde Cornelis
Co-presenter(s): Christian Dominguez

Dean's Award: Fowler College of Business

Melissa Yakuta
*Characterizing Information Structures and Processes Related to Cancer Screening in U.S Medicare Population*
Fowler College of Business
Mentor: Melody Schiaffino
| Dean’s Award: Education |  |
|-------------------------|  |
| **Jennifer Dowlan**    |  |
| Using a Self-Implemented Premack Principle Model to Increase On-Task Behavior in 9th Grade Males with Attention Deficits: A Single Case Design |  |
| College of Education |  |
| **Mentor:** Katina Lambros |  |
| **Dean’s Award: Education** |  |
| **Helina Hoyt**         |  |
| The Virtual Standardized Patient |  |
| College of Education |  |
| **Mentor:** James Marshall |  |
| Co-presenter(s): Sean Hauze |  |
| **Dean’s Award: Engineering** |  |
| **Isaac Musaazi**       |  |
| Predicting Pathogen Flows through Sanitation Systems: Knowledge to Practice Using the Global Water Pathogens Project |  |
| College of Engineering |  |
| **Mentor:** Matthew Verbyla |  |
| **Dean’s Award: Engineering** |  |
| **Edwin Gonzalez**      |  |
| College of Engineering |  |
| **Mentor:** Fletcher Miller |  |
| **Dean’s Award: Health & Human Services** |  |
| **Valeria Ochoa**       |  |
| The Role of Adipokines in Mediating Chemoresistance in Ovarian Cancer |  |
| College of Health and Human Services |  |
| **Mentor:** Carrie House |  |
Dean’s Award: Health & Human Services

**Lukas Krumpl**

*Eccentric Hip Rotation Strength in Healthy Adults*

College of Health and Human Services

**Mentor:** Michael Rosenthal

Dean’s Award: Professional Studies & Fine Arts

**Aurora Valdez**

*Talking and Listening Healing Circles*

College of Professional Studies and Fine Arts

**Mentor:** Irene Lara

**Co-presenter(s):** Nancy Bahena

Dean’s Award: Professional Studies & Fine Arts

**Kaysia Pajita**

*Communicating A Way Out: A Qualitative Study of a Queer STEM Community*

College of Professional Studies and Fine Arts

**Mentor:** Patricia Geist-Martin

**Co-presenter(s):** Victoria Mudd

Dean’s Award: Sciences

**Kevin Pelaez**

*Does language shape how students understand the equal sign?*

College of Sciences

**Mentor:** William Zahner

**Co-presenter(s):** Jayme Rosenquist

Dean’s Award: Sciences

**Holly Norman**

*Analyzing the Presence, in Humans, of crAssphage: A Highly Abundant Bacteriophage Found Around the Globe*

College of Sciences

**Mentor:** Robert Edwards
Co-presenter(s): Ashelyn Lutrick

Dean's Award: Imperial Valley Campus

John Moreno

The Co-existence of Causal Beliefs about Cancer at the US-Mexico Border

Imperial Valley Campus

Mentor: Linda Abarbanell

Co-presenter(s): Melina Trejo, Carlos Hebert, Elvira Hernandez

Dean's Award: Imperial Valley Campus

Moises Cardenas

Border Corruption along the United States Border

Imperial Valley Campus

Mentor: David Jancsics

Provost's Award: Arts and Letters

Benjamin Calabrese


College of Arts and Letters

Mentor: Eve Kornfeld

Provost's Award: Arts and Letters

Juliana Huaroc

Examining Labor Policies for Women Farmworkers in Chile

College of Arts and Letters

Mentor: Ramona Perez

Provost's Award: Education

Al Schleicher

One Teacher, Many Voices: The Impact of a Dialogic Stance for Pedagogical Practice with Emergent Bilingual 5th Grade Students

College of Education

Mentor: Luke Duesbery
**Provost’s Award: Education**

**Hannah Zimmerman**

*School-based Grief Groups can Improve Child Grief Symptoms*

College of Education

**Mentor:** Lisa Linder

**Provost’s Award: Engineering**

**Jonathan Cabrera**

*HEAT INDUCED POLYMERIC STABILIZATION OF CLAYS*

College of Engineering

**Mentor:** Julio Valdes

**Provost’s Award: Engineering**

**Lauren Steinberg**

*Utilization of a Non-targeted Approach to Develop a Comprehensive Array of Persistent Pollutants in Reclaimed Wastewater*

College of Engineering

**Mentor:** Natalie Mladenov

**Provost’s Award: Health & Human Services**

**Cassidy Childers-Reid**

*Slow Speech Movements in People With Parkinson’s Disease With and Without Deep Brain Stimulation*

College of Health and Human Services

**Mentor:** Ignatius Nip

**Co-presenter(s):** Chinatsu Takahashi, Elisandra Segal, Emily Bautista

**Provost’s Award: Health & Human Services**

**Emily Woolf**

*Isolation of Mealworm Tropomyosin, a Potential Cross-Reactive Food Allergen*

College of Health and Human Services

**Mentor:** Changqi Liu
**Provost's Award: Professional Studies & Fine Arts**

**Jezyle Deo Diez**

*Parenting, Play, and the Negotiation of Identities*

College of Professional Studies and Fine Arts

**Mentor:** Patricia Geist-Martin


**Provost's Award: Professional Studies & Fine Arts**

**Ranisha Hernandez**

*Identifying Tones and Sources in Hypothetical News Articles About ECS*

College of Professional Studies and Fine Arts

**Mentor:** Heather Canary


**Provost's Award: Sciences**

**Milagros Esmerode**

*The role of protein kinase c in Hydroides elegans metamorphosis*

College of Sciences

**Mentor:** Kyle Malter


**Provost's Award: Sciences**

**Yixiong Lin**

*Lead-halide Perovskite Nanocrystals as Efficient Photocatalysts for Pyrazoles and Pyrroles Synthesis*

College of Sciences

**Mentor:** Yong Yan

**Co-presenter(s):** Yue Sun


**Provost's Award: Imperial Valley Campus**

**Nayeli Gonzalez**

*Advance Care Planning among Rural Cancer Patients and Its Associated Factors*

Imperial Valley Campus

**Mentor:** Eun Jeong Ko

**Co-presenter(s):** Viviane Rodriguez
**Provost’s Award: Imperial Valley Campus**

**Jocelyne Sandoval**

*Latinx Transgender Mental Health: Needs of an Underserved Population*

Imperial Valley Campus

**Mentor:** Donna Castaneda

**Co-presenter(s):** Roberto Medina

**President’s Award**

**Talia Kieu**

*“The Box”: Effects of San Diego Hepatitis A Outbreak on Transitional Aged Youth Using Photo Voice and Community Based Participatory Research*

College of Health and Human Services

**Mentor:** Jennifer Felner

**Co-presenter(s):** Hunter Call, Daniel Kirkland

**President’s Award**

**Shannon Farnsworth**

*The Fight for Tecolote Canyon and the Women Who Led It: Feminism and Environmental Politics in San Diego, CA 1960s-1970s*

College of Arts and Letters

**Mentor:** Andrew Wiese

**President’s Award**

**Ghanshyam Mishra**

*Wide Angle Beam Steering Cylindrical Parabolic Reflector with Phased Array as a Feed Source for Ku-Band Applications*

College of Sciences

**Mentor:** Satish K. Sharma

**President’s Award**

**Scott Thiele**

*Constructing a Meaning of Freedom: A Gendered Perspective of the Actions of Formerly Enslaved Men and Women in the American South, 1860 – 1880*

College of Arts and Letters
**Mentor:** Eve Kornfeld

**President's Award**

**My Tran**

*Mechanical injury alters APP and BACE-1 interaction in hiPSC-derived neurons*

College of Sciences

**Mentor:** Kim Finley

**President's Award**

**Margaret Stack**

*Assessing the distribution and impact of marine endocrine disrupting compounds in the critically endangered California condor and marine mammals*

College of Health and Human Services

**Mentor:** Eunha Hoh

**President's Award**

**Cody Billock**

*The Hue Massacre of 1968*

College of Arts and Letters

**Mentor:** Pierre Asselin

**President's Award**

**Ryan Buck**

*Interspecies Hybridization in Pinyon Pines and its Consequences on Symbiotic Ectomycorrhizal Communities*

College of Sciences

**Mentor:** Lluvia Flores-Renteria

**President's Award**

**Nha Uyen Huynh**

*Nondestructive Evaluation of Mechanical Behavior in Polymers using Terahertz Time-Domain Spectroscopy*

College of Engineering

**Mentor:** George Youssef

**Co-presenter(s):** Richard Lee
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<td>Laura Horton</td>
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*Nobody Wants to Listen to Girls Talk: Communicative Strategies for Resisting the Male-centric Industry of Stand-up Comedy*

College of Professional Studies and Fine Arts

**Mentor:** Patricia Geist-Martin

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*Embodied emotions in performance*

College of Professional Studies and Fine Arts

**Mentor:** Jess Humphrey