

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

Undergraduate Research Excellence Awards

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

Undergraduate Research Excellence Awards

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

Undergraduate Research Excellence Awards

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

Undergraduate Research Excellence Awards

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 (ARD) 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

Library Award

Amanda Farr

Use of Community Based Participatory Research among Queer Adolescents

College of Health and Human Services

Mentor: Eric Walsh-Buhi

Women in Engineering Award – Sponsored by Satish Sharma (1st Place)

Geovana Callasans Veras Pessoa

Effect of Creep Loading on the Performance of E-Glass/Vinyl-ester Laminated Composites

College of Engineering

Mentor: George Youssef

Women in Engineering Award – Sponsored by Satish Sharma (2nd Place)

Alyssa Jaramillo

Mapping Potential Contamination Sources in the San Diego River Watershed

College of Engineering

Mentor: Alicia Kinoshita

Award for Outstanding Creative and Performing Arts

Andres Wong

4 EKGs in A Minor: A Piece for Peace for Our Time and for All Time

College of Professional Studies and Fine Arts

Mentor: Andrew Aziz

Award for Outstanding Creative and Performing Arts

Brenda Taulbee

Disappearing Act

College of Arts and Letters

Mentor: Blas Falconer

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

Numerical Model of a Concentrated Solar Power Combined Cycle Plant with Sensible Thermal Energy Storage

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): MelinaTrejo, 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

CAUGHT BETWEEN TWO WORLDS: THE SAN FRANCISCO BISEXUAL CENTER, 1976 - 1985

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

President's Award

Laura Horton

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

President's Award for the Arts

Zack King

Embodied emotions in performance

College of Professional Studies and Fine Arts

Mentor: Jess Humphrey