

S3

SDSU
STUDENT
SYMPOSIUM



San Diego State
University

HSI Award

Brinley Stringer

Near-Peer Mentors: The Assets of Relationships in
Mathematics Classrooms

Mentor: Mary Pilgrim

College of Sciences



San Diego State
University

HSI Award

Griselda Paredes

Institutional Agent Perspectives: The Role of Latinx Servings
at HSIs

Mentor: Felisha Herrera-Villareal

College of Education

Women in Engineering Award

Lilith Astete Vasquez

Response of antibiotic resistant bacteria during anammox treatment of pretreated municipal wastewater and landfill leachate

Mentor: Natalie Mladenov

College of Engineering



San Diego State
University

Women in Engineering Award

Aina Narvasa

Numerical and Experimental Investigation of Extreme Lunar
Conditions on the Physical and Mechanical Properties of
Lunar Construction Materials

Mentor: Marta Miletic

College of Engineering



San Diego State
University

Women in Engineering Award

Britton Mennie

Helical flow in the aortic arch during mechanical circulatory support

Mentor: Karen May-Newman

College of Engineering



San Diego State
University

Sustainability Award

Jenielle Domaosal

Embryonic development is affected by chemical leachate resulting from tire wear particles (TWP) in the zebrafish, *Danio rerio*

Mentor: Karilyn Sant

College of Sciences



San Diego State
University

Charles Wei-hsun Fu Foundation Philosophy Award

Carlos Melendrez

Lucid Philosophy

Mentor: Sandra Wawrytko

College of Arts and Letters



San Diego State
University

Art's Alive Award

Emily Teaze

My Brain and it's Eyes: Disability, Access, and Competent
Care during Viral Times

Mentor: Yetta Howard

College of Arts and Letters



San Diego State
University

Arts Exhibit Award

Nanzi Muro

Breakdown | Right Thing to Do!

Mentor: Arzu Ozkal

College of Professional Studies and Fine Arts



San Diego State
University

Outstanding Creative and Performing Arts Award

Cynthia Bloodgood

Considerations for Sharing Resources With Small Theaters
and Drama Programs

Mentor: Ben Clark

College of Professional Studies and Fine Arts



San Diego State
University

Summer Undergraduate Research Program (SURP) Award

Paul Kauvaka

Shock Response of Polyurea Foams

Mentor: George Youssef

College of Sciences



San Diego State
University

Summer Undergraduate Research Program (SURP) Award

Chris Rodriguez, Katie Andrade, Emma Hodge, Erica Axtell

Cross-Linguistic Interactions during Word Retrieval in Bilinguals with Aphasia:
An Eye-Tracking Study

Mentor: Stephanie Ries
College of Health and Human Services



San Diego State
University

Research Award for Diversity, Inclusion and Social Justice

Da Quanisha Parks

#EnvironmentalJustice.Now

Mentor: Kishauna Soljour

College of Arts and Letters



San Diego State
University

Research Award for Diversity, Inclusion and Social Justice

Antoinette Dunlap

Needs Assessment of Mental and Emotional Support
Available to Adolescent Refugees in School Settings in San
Diego County

Mentor: Emily Schmied

College of Health and Human Services



San Diego State
University

Research Award for Diversity, Inclusion and Social Justice

Isabela Cruz-Vespa

Vicarious Racism and Substance-Use: Assessing the moderating roles of social-connection and ethnic-identity

Mentor: Tristen Inagaki

College of Sciences



San Diego State
University

Research Award for Diversity, Inclusion and Social Justice

Alana Lopez
Rosa Cobian Aguilar

Oral Health and Hygiene Behaviors and Oral Cancer Knowledge, Attitudes, and
Perceptions: A Scoping Review

Mentor: Melody Schiaffino
College of Health and Human Services



San Diego State
University

Research Award for Diversity, Inclusion and Social Justice

Judy Mahmalji

Early brain connectivity patterns predict later language skills
in preschoolers with autism spectrum disorder

Mentor: Inna Fishman

College of Sciences



San Diego State
University

Library Award

Brianna Pham

Why Aren't There Enough Female Asian American
Healthcare Professionals? Navigating Gendered and
Racialized Discourses of Leadership

Mentor: Tiffany Dykstra-DeVette

College of Professional Studies and Fine Arts



San Diego State
University

Library Award

Valentina Rodriguez

HCC organoid model in the Latino population

Mentor: Ricardo Zayas

College of Sciences



San Diego State
University

Library Award

Rohan Rahatgaonkar

Kinematics of high resolution VLT/MUSE spectroscopic sample of nearby galaxies through 3-D tilted ring modeling.

Mentor: Kate Rubin

College of Sciences



San Diego State
University

Library Award

Kendal Ruffin

Impact of Health Disparities and Prostate Cancer Among
African American Men

Mentor: Vanessa Malcarne

College of Sciences



San Diego State
University

Library Award

Nicolas Gutierrez III

No Person Shall Willfully Resist, Delay, or Obstruct: The
Criminalization of Activists and Organizers Resisting
Homeless Encampment Sweeps

Mentor: Megan Welsh Carroll

College of Professional Studies and Fine Arts



San Diego State
University

Undergraduate Research Excellence Award

Sydney Niesen

Study of the relationship between face mask use and face touching frequency in public areas: Naturalistic Study Design.

Mentor: Jennifer Felner

College of Health and Human Services



San Diego State
University

Undergraduate Research Excellence Award

Sama Mikhail

Aerobic Activity is Impaired by Vaping

Mentor: Mark Sussman

College of Sciences



San Diego State
University

Undergraduate Research Excellence Award

Viktoria Voragen

Improving Shelf Life of Bacteriophage Pharmaceuticals

Mentor: Dwayne Roach

College of Sciences



San Diego State
University

Undergraduate Research Excellence Award

Liam Seitz

Investigation of PCET-Based Redox-Responsive H-bonding in
Simple 2 H-bonding Systems.

Mentor: Dylan Karr

College of Sciences



San Diego State
University

Undergraduate Research Excellence Award

Tavee Binavi

An Analysis of The School to Prison Pipeline

Mentor: Nicole Mendoza

College of Professional Studies and Fine Arts



San Diego State
University

Undergraduate Research Excellence Award

Nawaf Alneami

Nature-based solutions for enhancing soil hydro-mechanical properties

Mentor: Marta Miletic

College of Engineering



San Diego State
University

Undergraduate Research Excellence Award

Ash Osiris

Interview With A DJ: An Ethnography on Alternative Music
and Culture.

Mentor: Jocelyn Killmer

College of Arts and Letters



San Diego State
University

Undergraduate Research Excellence Award

Sandrien Mekany

Her Turn to Learn: Expanding Girls' Education in
Afghanistan

Mentor: Candice Simmons

College of Arts and Letters



San Diego State
University

Undergraduate Research Excellence Award

Rania Atto

Role of ABC Transporters in the Planarian species *Schmidtea mediterranea*

Mentor: Ricardo Zayas

College of Sciences



San Diego State
University

Undergraduate Research Excellence Award

Marlene Chavez Corona

Aryanna Talamantes

Savannah Ricciardulli

Linguistic and Non-Linguistic Visual Processing in Aphasia

Mentor: JoAnn Silkes

College of Health and Human Services



San Diego State
University

Provost's Award: Arts and Letters

Kenya Benitez

Valentina Rivera

Exploring Psychometric Properties of a new Oral Behavior Social Support
(OHBSS) Scale in English and Spanish

Mentor: Tracy Finlayson
College of Arts and Letters



San Diego State
University

Provost's Award: Arts and Letters

Isabele de Lima Vargas Simoes

Land Occupations in Belo Horizonte, Brazil

Mentor: Erika Robb Larkins

College of Arts and Letters



San Diego State
University

Provost's Award: Education

Natacha Garbe

The Relationship between One's First Language and Second
Language Writing

Mentor: Naseh Shahri

College of Education



San Diego State
University

Provost's Award: Education

Marianna Amato

College Adjustment Among Latiné Students

Mentor: Vanja Lazarevic

College of Education



San Diego State
University

Provost's Award: Engineering

Chaztyn Pangelina

The effect of increasing heart rate on intermittent aortic valve opening during LVAD

Mentor: Karen May-Newman

College of Education



San Diego State
University

Provost's Award: Engineering

Mark Smeets

The Impact Efficacy of Density-graded Polyurea Foams

Mentor: George Youssef

College of Engineering



San Diego State
University

Provost's Award: Health & Human Services

Nasim Kasiri

Stage at cancer diagnosis and cannabis use among adult cancer survivors in Southern California

Mentor: Corinne McDaniels-Davidson

College of Health and Human Services



San Diego State
University

Provost's Award: Health & Human Services

Jesse Di Carlo-Wagner

Harper Kim

Informed consent: research studies and people with aphasia

Mentor: JoAnn Silkes

College of Health and Human Services



San Diego State
University

Provost's Award: Imperial Valley Campus

Katherine Ekonomo

Andrea Van Bebber

Nancy Chaidez

Isabel Beltran

COVID-19 Vaccine Hesitancy in the Imperial Valley

Mentor: Linda Abarbanell
SDSU Imperial Valley



San Diego State
University

Provost's Award: Imperial Valley Campus

Felix Santillanes

Visualization and Analysis Using R for Imperial Valley Traffic
Incidents Data

Mentor: Huan Qin

SDSU Imperial Valley



San Diego State
University

Provost's Award: Professional Studies & Fine Arts

Andy Huizar

Toby Sandoz

Colton Dils

Not All Classrooms Have Four Walls: The Impact of Traveling Abroad on
Intercultural Communication Competence

Mentor: Rachael Record
College of Professional Studies and Fine Arts



San Diego State
University

Provost's Award: Professional Studies & Fine Arts

Orlane Hassan
Emily Meints

Fear Mapping: How people view senses of safety around the
SDSU campus differently

Mentor: Bruce Appleyard

College of Professional Studies and Fine Arts



San Diego State
University

Provost's Award: Sciences

Renee Owens

Claire Way

Examining County-Level Right-Wing Authoritarianism as a Mediating and Moderating Variable in the Relationship Between Minority Representation and the Implicit White = American Effect

Mentor: Lisandra Dobson
College of Sciences



San Diego State
University

Provost's Award: Sciences

Morgan Farrell

Utilizing CRISPRi interrogation of host-microbe interactions
to identify stimulants of animal development

Mentor: Nicholas Shikuma

College of Sciences



San Diego State
University

Dean's Award: Arts and Letters

Avery Cardosi

Making The Grade: Examining The Racial-Ethnic Differences
In ADHD's Impact on Academic Performance

Mentor: Audrey Beck

College of Arts and Letters



San Diego State
University

Dean's Award: Arts and Letters

Ulises Magallon Estrada

Can Latinos be Racist? Examining Anti-Blackness Among
Latinos

Mentor: Audrey Beck

College of Arts and Letters



San Diego State
University

Dean's Award: Business

Olivia Moran

Attitudes surrounding having children shifting among millennials and Gen-z; Birth Rate Declining

Mentor: Erlinde Cornelis

Fowler College of Business



San Diego State
University

Dean's Award: Education

Tamika Lovelace

The impact of Covid-19 and sociopolitical unrest on
Anti-racism in Education

Mentor: Estella Chizhik

College of Education



San Diego State
University

Dean's Award: Education

Maraliz Fischler-Barraza

Integrating art and science as a tool to build science-specific disciplinary knowledge and skills.

Mentor: Kathleen Schenkel

College of Education



San Diego State
University

Dean's Award: Engineering

Zachary Conte

Role of Aortic Tissue Stiffness in LV-LVAD Mechanics

Mentor: Karen May-Newman

College of Engineering



San Diego State
University

Dean's Award: Engineering

Emily Brown

Lunar Farming: Mechanism of Plant Growth Promotion in
Lunar Regolith by Biopolymer and Urea Fertilizer

Mentor: Marta Miletic

College of Engineering



San Diego State
University

Dean's Award: Health & Human Services

Lloyd Marshall

Effects of smoking on locomotor muscle adaptations to
chronic electrical stimulation

Mentor: Leonardo Nogueira

College of Health and Human Services



San Diego State
University

Dean's Award: Health & Human Services

Chloe Hull

The Effect of Demographic and Xenobiotic Factors on the
Breast Milk Microbiome

Mentor: Karilyn Sant

College of Health and Human Services



San Diego State
University

Dean's Award: Imperial Valley Campus

Andrea Van Bebber

Financial Toxicity Among Underserved Breast Cancer
Survivors

Mentor: EunJeong Ko

SDSU Imperial Valley



San Diego State
University

Dean's Award: Imperial Valley Campus

Georgina Gabriela Canto Encalada

Flux balance analysis of the ammonia-oxidizing bacterium
Nitrosomonas europaea ATCC19718 unravels specific
metabolic activities while degrading toxic compounds

Mentor: Cristal Zuniga

SDSU Imperial Valley



San Diego State
University

Dean's Award: Professional Studies & Fine Arts

Andrea Berreondo

En Ser Mujer: Latin American Women and Digital Media
Entrepreneurship

Mentor: Lourdes Cueva-Chacon

College of Professional Studies and Fine Arts



San Diego State
University

Dean's Award: Professional Studies & Fine Arts

Graciela Moran

Funding For All The Effect of State Micro Grant Programs for
Entrepreneurs in the Inland Empire: Utilizing Study Results
from Caravanserai Projects' California Dream Fund Grant
Program (2022)

Mentor: Dr. Mounah Abdul-Samad

College of Professional Studies and Fine Arts



San Diego State
University

Dean's Award: Sciences

Shayla Shahar

Characterization of Metagenomes and Pathogen
Identification of the Tijuana River

Mentor: Scott Kelley

College of Sciences



San Diego State
University

Dean's Award: Sciences

Tiffany Luong

Bench to Bedside Phage Therapy for Severe Pneumonia in
Cystic Fibrosis

Mentor: Dwayne Roach

College of Sciences



San Diego State
University

President's Award for the Arts

Hana Foo

Gemstone Apothecary

Mentor: Sondra Sherman

College of Professional Studies and Fine Arts



San Diego State
University

President's Award

Kristin Tenney

The Psychological Needs of an Undergraduate Computer
Scientist: Three Case Studies

Mentor: Alexander Chizhick

College of Sciences



San Diego State
University

President's Award

Scott Monahan

Population Genomics of the Invasive Pink Rice Borer Moth,
Sesemia inferens

Mentor: Arun Sethuraman

College of Sciences



San Diego State
University

President's Award

Tina Marcroft

Exploring Expert and Novice Understanding of Organismal
Relatedness

Mentor: Regis Komperda

College of Education



San Diego State
University

President's Award

Giovanna Zampa

Development and deployment of a comprehensive social survey to understand public restroom access and related health concerns among San Diegans experiencing homelessness

Mentor: Megan Welsh Carroll

College of Health and Human Services



San Diego State
University

President's Award

Scarlett Alexander

Life Cycle Assessment: Cradle-to-Grave Carbon Dioxide
Emissions of BEV and PHEV

Mentor: John Abraham

College of Engineering



San Diego State
University

President's Award

Sara Rodrigue

Creating a Scorecard for Public Restrooms in San Diego County to Address Accessibility, Cleanliness, and Safety

Mentor: Jerel Calzo

College of Health and Human Services



San Diego State
University

President's Award

Brianna O'Boyle

WeChat Usage and Emoji Ratings: How usage of the social media platform WeChat influences the ratings of emojis from WeChat

Mentor: Gabriel Doyle

College of Arts and Letters



San Diego State
University

President's Award

Ila Peeler

Understanding the Metabolism of Recently Isolated
Infectious Bacterium, *Bordatella atropi*

Mentor: Cristal Zuniga

College of Sciences



San Diego State
University

President's Award

Kayla Solsbak

“The Feminine Presence”: Gender Discourse in the United
Farm Workers’ Newspaper

Mentor: David Cline

College of Arts and Letters

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