

# RESEARCH



# SAN DIEGO STATE UNIVERSITY



## SDSU Reports Shed Light on Women Behind the Scenes in Hollywood

Two reports from SDSU's Center for the Study of Women in Television and Film find that the number of women in key behind the scenes roles in Hollywood is growing, but that more progress is needed before they achieve equality with their male counterparts. One study found that just 34 percent of film reviewers in 2018-19 in the U.S. were women. Another report found that 33 percent of independent film directors that year were women. [Read more here](#) and [here](#).



## A Revealing Look at Hispanic American Health

An SDSU study is among the first to describe trends in cancer mortality by specific Hispanic group for the 10 leading causes of cancer deaths nationwide. The study, authored by third-generation Mexican-American graduate student Steven Zamora, finds that lumping Hispanic groups together masks differences in cancer outcomes. [Read more.](#)



## Change Agents: Education Specialists a Growing Force at CSU Campuses

SDSU researcher Kathy Williams finds science faculty with education specialties are having an increasing impact in K-12 and undergrad science education. [Read more.](#)

## In the News



Researchers took photos of places where homeless people congregate and found the environment perpetuates stigma

The *San Diego Union Tribune* covers findings from a team of SDSU researchers that discovered how subtle signs and actions in San Diego may be adding to the stigma of homelessness.



Why a California lawmaker wants to ban cigarette filters and disposable vapes

*CALmatters* cites recent research from SDSU public health professor Thomas Novotny, who discovered that just a couple of smoked cigarette butts can kill fish.

## Featured Video

### Research Horizons: The Science of Smell

Nutrition professor Surabhi Bhutani is on a quest to improve health by better understanding our sense of smell. The same chemical responses that make food enjoyable cause people to overeat, leading to health issues like obesity, heart disease and diabetes. Bhutani's research aims to understand the biological link between smell and hunger.



*SDSU's Research Horizons series highlights early career faculty and their burgeoning research projects.*

## Recent Grants

### **Clo, Clarissa**

Online Elementary Italian courses

Institute of Italian Culture

\$3,316

College of Arts & Letters

### **Johnson, Joseph**

South Bay USD School & District Professional Learning Networks

South Bay Union School District

\$100,000

College of Education

### **Mi, Chunting**

A Proposal of Foreign Object Detection (FOD) in Wireless Power Transfer Systems

Kia Motors

\$217,052

College of Engineering

### **Rojo-Mendoza, Reynaldo**

Promoting Applied Research Capabilities, Evidence-Based Public Policy, and Dissemination of

Best Practices on Citizen Security in Central America

The City University of New York-John Jay College

\$114,433

College of Professional Studies and Fine Arts

**Cripps, Richard**

Genetic Regulation of Muscle Fiber Diversity

DHHS National Institutes of Health

\$324,911

College of Sciences

**Kelley, Scott**

Role of the Gut Microbiome in Polycystic Ovary Syndrome

University of California at San Diego

\$44,306

College of Sciences

**Jennings, Megan, Lewison, Rebecca**

Non-invasive estimation of population parameters of a harvested mule deer population in San Diego County

San Diego County Fish and Wildlife Advisory Commission

\$4,632

College of Sciences

**Rohwer, Forest**

Development of Isothermal Calorimeter to Measure Marine Microbial Activity

The Gordon and Betty Moore Foundation

\$7,500

College of Sciences

**Larson, Lance**

Defensive Cyberspace Operations Research, Development, Testing, Engineering, Integration, Maintenance, and Production Support

Vector Planning & Services, Inc

\$6,558

College of Sciences

**Cronan, Thereasa**

Frontiers in Aging and Regeneration Research

University of Pittsburgh

\$12,641

College of Sciences

**Guven, Halil**

Georgia 5-Cohort and Operations

Government of Georgia

\$10,505,476

Georgia Campus

**Barlow, Jessica, Pruitt, Sonja**

Manipulating linguistic complexity to improve child language treatment outcomes

DHHS National Inst on Deafness/Other Communication Disorders

\$221,259

Interdisciplinary

**Sax, Caren**

High School SUCCESS: Vocational Soft Skills Program for Transition-Age ASD Youth

Rady Children's Hospital San Diego

\$22,763

College of Education

**Bani Younes, Ahmad**

John V. Breakwell Student Travel Award Recipients

American Astronautical Society

\$1,000

College of Engineering

**Buono, Michael**

Effect of combined hand warming and negative pressure on blood glucose and blood pressure

Avacem Inc

\$32,064

College of Health & Human Services

**Talavera, Gregory**

Epidemiology of the Gut Microbiome, Prediabetes and Diabetes in Latinos

Albert Einstein College of Medicine

\$22,023

College of Health & Human Services

**Talavera, Gregory**

Preconceptional Health of Latinas and its Association with Child Adiposity

University of North Carolina-Chapel Hill

\$6,714.00

College of Health & Human Services

**Hoh, Eunha, Matt, Georg, Quintana, PJE**

Contribution of Thirdhand Smoke to Overall Tobacco Smoke Exposure in Pediatric Patients

Cincinnati Childrens Hospital

\$286,534

College of Health & Human Services

**Bernstein, Sanford**

Defining Defects in Myosin Structure and Function That Cause Dominant Spondylocarpotarsal

Synostosis

\$165,550

DHHS National Institutes of Health

College of Sciences

**Phillips, Joy**

EP67 - Based Targeted Mucosal Vaccines to Prevent Primary Infection with CMV

University of Nebraska Medical Center

\$30,098

College of Sciences

**Holland, Gregory**

The Molecular Mechanisms Responsible for the Assembly of Spider Silk Fibers

DOD Air Force Office of Scientific Research

\$244,838

College of Sciences

**Maloney, Jillian**

Investigation of Blind Faults in the Sacramento-San Joaquin Delta - (Fellow: Shannon Klotsko)

California Sea Grant College Program

\$8,708

College of Sciences

**Thomas, Jennifer**

Fetal Alcohol Effects and Choline Intervention

DHHS National Institute on Alcohol Abuse and Alcoholism

\$353,338

College of Sciences

**Bernstein, Sanford, Tong, William**

SDSU Initiative for Maximizing Student Development (SDSU IMSD)

DHHS National Institute of General Medical Sciences

\$529,847

College of Sciences

**Johnson, Joseph**

NCUST INSPIRE KERN CHARTER DISTRICT SUPPORT

Inspire Charter Schools

\$138,125

College of Education

**Johnson, Joseph**

NCUST INSPIRE LOS ANGELES (HOPE) CHARTER DISTRICT SUPPORT

Inspire Charter Schools

\$138,125

College of Education

**Johnson, Joseph**

NCUST INSPIRE SOUTH CHARTER DISTRICT SUPPORT

Inspire Charter Schools

\$135,125

College of Education

**Hong, Mee Young**

Effects of fresh mango pulp consumption on satiety and cardiometabolic health: A randomized, cross-over, double-blind, placebo-controlled clinical trial

National Mango Board

\$146,720

College of Health & Human Services

**Tucker-Tatlow, Jennifer**

CDSS APS 19/20

California Department of Social Services

\$70,400

College of Health & Human Services

**Canary, Heather, Dykstra, Tiffany, Lindemann, Kurt**

Initiative for Strategic Communication and Learning

DOD US Marine Corps

\$22,750

College of Professional Studies and Fine Arts

**Olsen, Kim**

Internship of Nan Wang at FM Global

FM Global

\$20,880

College of Sciences

**Olsen, Kim**

Collaborative Research: Cross-Validation of Empirical and Physics-based ground motion predictions

National Science Foundation

\$168,576

College of Sciences

**Soto, Osvaldo**

The SDSU/Sweetwater Discrete Math Project Collaborative: Scaffolding for Sustainability

College Futures Foundation

\$290,000

College of Sciences

**Sax, Caren**

Customized Employment and Discovery Training, and CE Certification for Selected Agencies in Colorado from Vendor Marc Gold & Associates. Shared with WINTAC.

Colorado Department of Labor and Employment

\$23,030

College of Education

**Dowell, Robert**

Swage Bulkhead Details Study

General Dynamics NASSCO

\$72,654

College of Engineering

**Baweja, Harsimran; Hong, Mee Young; Hooshmand, Shirin; Kern, Mark; Liu, Changqi**  
Impact of strawberries on cognitive and motor function and vascular and cardiometabolic risk markers in older healthy adults: A randomized, cross-over, double-blind, placebo-controlled

clinical trial  
California Strawberry Commission  
\$73,206  
College of Health & Human Services

**Torre, Peter**

Detect: A novel device to assess how HIV affects neurocognitive decline and postural instability  
in older adults at risk for Alzheimer's Disease  
University of California at San Diego  
\$30,095  
College of Health & Human Services

**Burns, Kevin**

Collaborative Research: Admixture Mapping of a Hybrid Zone to Test Tinbergen's Emancipation  
Hypothesis  
NSF Directorate for Biological Sciences  
\$45,000  
College of Sciences

**Edwards, Matthew**

Minimizing disturbance impacts by California vessel mooring systems on living rhodolith benthos  
in Catalina MPAs: an experimental assessment  
California Sea Grant College Program  
\$32,752  
College of Sciences

**Kalyuzhnaya, Marina**

Microbial Conversion of Greenhouse Gases into Fermentation-Ready  
NSF Directorate for Engineering  
\$42,000  
College of Sciences

**Oechel, Walter; Zona, Donatella**

Multi-scale Data Assimilation and Model Comparison for ABoVE to Identify Processes  
Controlling CO<sub>2</sub> and CH<sub>4</sub> Exchange and Influencing Seasonal Transitions in Arctic Tundra  
Ecosystems  
Harvard University  
\$4,395  
College of Sciences

**Maloney, Jillian**

Enabling Cost Effective Electricity from Ocean Waves: P MEC-SETS  
Oregon State University  
\$16,549  
College of Sciences

**Thoman, Dustin**

Promoting Motivation in Undergraduate Biology and Chemistry Courses  
University of Wisconsin-Madison  
\$179,069  
College of Sciences



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The footer image this week is of the USS Midway. The USS Midway Foundation has made a \$3 million, five-year pledge to SDSU to create and fund an endowed chair in modern U.S. military history. The partnership bolsters

military history education and research, and makes SDSU the only public university on the West Coast with an interdisciplinary program in modern U.S. military history.