August 2023
Awards Received
Total: $23,059,635

Office of the Dean

Dr. Mathias Schulze and Dr. Christopher Brown

Geography

Dr. Hilary McMillan
National Science Foundation: “Continental-scale Controls on Baseflow Patterns (Fellowship - A. Holt),” $49,000

Dr. Douglas Stow
National Science Foundation: “Shrinking Coastlines: Using Historic Data, Site Surveys, and Geographic Information System (GIS) to Model Past and Predicted Climate Change Driven Habitat Loss in the Rocky Intertidal (Fellowship - E Bushnell),” $49,000

History

Dr. Gregory Daddis
Florida State University: “Hub & Spoke Post-Doctorate Fellowship Program,” $95,000

Administration, Rehabilitation, and Postsecondary Education

Dr. Maribel Guillermo
Commonwealth of the Northern Marianas Islands: “Comprehensive Statewide Needs Assessment (CSNA) for the Commonwealth of the Northern Mariana Islands,” $23,987

Dr. Caren Sax
California Department of Education: “Exceptional Family Resource Center (EFRC) Family Empowerment Center 23/24,” $570,326

Down Syndrome Association: “Down Syndrome Association of San Diego (DSASD) - Family Support Services 23/24,” $8,000

Oregon Department of Human Services: “Comprehensive Statewide Needs Assessment,” $76,751

San Diego County Office of Education: “Exceptional Family Resource Center (EFRC) Resolutions for Student Success 23/24” $77,000
San Diego/Imperial Counties Developmental Services Inc.: “San Diego Regional Center (SDRC) California Early Start (CES) Point of Entry (POE) 23/24,” **$140,376**

**Child and Family Development**

**Dr. Kelsey Dickson**  
University of Pittsburgh: “Confirmatory Efficacy Clinical Trial of Amygdala Neurofeedback for Depression,” **$23,695**

**Dr. Teresa Lind**  
National Institute of Mental Health: “Improving Sustainment through Implementation Supports to Reduce Burnout in Therapists Delivering Child Trauma Evidence-Based Practice (EBP)s,” **$191,285**

**Dr. Sarah Rieth**  
U.S. Department of Education Institute of Education Sciences: “Examining the Efficacy of Project ImPACT for Toddlers,” **$677,660**

**Counseling and School Psychology**

**Dr. Laura Owen**  
Price Philanthropies Foundation: “Avenues for Success,” **$1,328,969**

**Dual Language and English Learner Education**

**Dr. Alberto Esquinca and Dr. Melissa Navarro**  
National Science Foundation: “Support Partnership for New Bilingual Science and Engineering Maestres,” **$1,202,028**

**Educational Leadership**

**Dr. Jose Escobedo**  


**Special Education**

**Dr. Laura Hall and Dr. Paul Luelmo**  

**Teacher Education**

**Dr. Cynthia Park**  
Aerospace Engineering

Dr. Gustaaf Jacobs and Dr. Qi Wang

Dr. Satchi Venkataraman and Dr. Margherita Capriotti
M4 Engineering: “Friction Drilling Fasteners for Composite Structures,” $38,500

Civil, Construction, and Environmental Engineering

Dr. Natalie Mladenov
National Science Foundation: “Investigating Antibiotics Removal from Wet Onsite Sanitation Systems Using Bench-scale Anaerobic Digesters (Fellowship - Astete-Vasquez),” $49,000

Electrical and Computer Engineering

Dr. Tong Huang and Dr. Chunting Mi
National Science Foundation: “Boosting Cyber and Physical Resilience of Power Electronics-dominated Distribution Grids in Energy Space,” $1,500,000

Dr. Sunil Kumar

Dr. Christopher Paolini

Dr. Satish Sharma
U.S. Department of Defense Naval Information Warfare Center (NIWC): “Design and Test Support for Microwave Transmit and Receive SATCOM Wide Circular Polarized Phased Array,” $59,981

Mechanical Engineering

Dr. Parag Katira
Columbia University: “Identifying the Origin of the Universal Performance Characteristics of Motors,” $15,000

Dr. Parag Katira and Dr. George Youssef
Dr. Sara Gombatto
University of California at San Diego: “Smart and Connected Health (SCH): MS-ADAPT: Multi-Sensor Adaptive Data Analytics for Physical Therapy,” $61,124

Dr. Leonardo Nogueira
University of California Office of the President: “Cigarette Smoke Effects on Nitric Oxide-dependent Muscle Regeneration,” $122,579

Dr. Connie Weaver
Florida International University: “Effect of Soluble Corn Fiber Supplementation on Bone Metabolism in Adolescents (MetA-Bone Trial),” $24,845

Public Health

Ms. Lisa Asmus
Multicultural Health Foundation: “Advancing Health Literacy - Heart and Soul Health Connection, Hypertension Intervention Program,” $25,500

Ms. Lisa Asmus and Dr. Corinne McDaniels-Davidson
Family Health Centers of San Diego: “Human Immunodeficiency Virus (HIV) Prevention for Persons Who Inject Drugs (PWID),” $20,000; and “Prodigy Project - Evaluation Services,” $5,000

Dr. Elana Elkin and Dr. Karilyn Sant
University of California at San Francisco: “Thirdhand Smoke (THS) at the Maternal-Embryonic Interface: Mechanisms of Toxicity,” $75,000

Dr. Eunha Hoh, Dr. Nathan Dodder, and Dr. Karilyn Sant
California Sea Grant College Program: “Hazard Assessment of Deep Ocean Dichlorodiphenyltrichloroethane (DDT) Disposal: Defining Biomagnified DDT+ Chemical Profiles and Investigating the Health Impacts on Sentinel Wildlife Species and Humans,” $1,999,494

Dr. Shira Goldenberg
National Institute of Mental Health: “Adapting a Novel Mental Health Prevention Intervention for Migrant Mothers with Young Children in a Humanitarian Setting,” $615,668

Dr. Nicolas Lopez-Galvez
University of California at San Francisco: “Assessing Exposure to Thirdhand Smoke by Analyzing Cotinine in Handwipes,” $75,000

Dr. Corinne McDaniels-Davidson and Ms. Tanya Penn
San Diego County Health and Human Services Agency: “Community Health Worker Program Implementation, Community Coalition Management and Evaluation Services,” $592,281

Dr. Humberto Parada
National Cancer Institute: “Red Blood Cell Polyunsaturated Fatty Acids and Breast Cancer Mortality in the Women's Healthy Eating and Living (WHEL) Study,” $185,595
Social Work

Mr. Steven Hornberger

Dr. Eunjeong Ko

Dr. Eileen Pitpitan

Ms. Jennifer Tucker-Tatlow and Ms. Jennifer Baum
California Department of Social Services: “California Department of Social Services (CDSS) Adult Protective Services (APS) Interview for Decisional Abilities (IDA) 23/24,” $124,562


Speech, Language, and Hearing Sciences

Dr. Karen Emmorey
National Science Foundation: “Using a Novel fMRI Localizer to Characterize Functional Variability in the Sign Language Comprehension Network,” $49,000

Dr. Jill Preminger

Dr. Peter Torre
Harvard University: “Pediatric Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Syndrome (AIDS) Cohort Study (PHACS) 2021,” $17,457

SDSU | College of Professional Studies and Fine Arts

School of Public Affairs

Dr. Bruce Appleyard
University of New Mexico: “Center for Pedestrian Bicycle Safety,” $335,000
Dr. Stacy Ochoa Mikrut  
Stupski Foundation: “SDSU Stupski Advisor Support Collective,” $20,000

**Biology**

Dr. Kevin Burns  
National Science Foundation: “Migratory Genetics and Subspecies Intergradation in the Allen's Hummingbird (Selasphorus sasin) (Fellowship - S. Hood),” $49,000

Dr. Carrie House  
Burnham Institute for Medical Research: “Role of TWEAK in the Development of Ovarian Cancer Stem-like Cells - L. Santiago,” $54,240


Dr. Kevin Hovel  
National Science Foundation: “Indirect Effects of Climate Change on Blue Mussels via Changes to Mussel Parasitism - J. Griffin,” $49,000

Dr. Jeremy Long  
National Science Foundation: “Determining the Driving Factors of the Corynactis Associational Refuge - Fellowship X. Boone,” $49,000

Mr. Ty Roach  
Michigan State University: “The Role of Betaine Lipid Biochemistry in Coral Thermal Tolerance,” $91,179

Dr. Donatella Zona and Dr. Walter Oechel  
National Science Foundation: “Multi-decadal Year-round CO2 and CH4 Fluxes to Understand Long-term Impact of Climate Change on the Arctic Carbon Balance,” $149,457

**Chemistry and Biochemistry**

Dr. Tom Huxford  
Rees-Stealy Research Foundation: “2023-25 Rees-Stealy Research Foundation Fellowship,” $140,000

**Earth and Environmental Sciences**

Dr. David Kimbrough  
University of Wisconsin - Eau Claire: “IRES: Track 1: RUI: Collaborative Research: The Permo-Triassic Choiyoi Silicic Large Igneous Province: Regional Volcanic Framework and Potential Impact on Global Climate,” $15,000

Dr. Kim Olsen  
University of Southern California: “Validation of SDSU Module on Southern California Earthquake Center (SCEC) Broadband Platform (BBP) for Large-magnitude Earthquakes,” $10,000
Mathematics and Statistics

Dr. Mary Pilgrim
National Science Foundation: “Collaborative Research: Mathematics Graduate Teaching Assistant Professional Development Focused on Engaged Learning, Inclusive Teaching, and Equity (ELITE PD) – Supplement,” $265,096

Dr. William Zahner
University of Rochester Warner School of Business: “Creating a Model for Sustainable Ambitious Mathematics Programs in High-Need Settings: A Researcher-Practitioner Collaboration AWD00003651,” $143,240

Physics

Dr. Usha Sinha
University of California at San Diego: “Role of the Extracellular Matrix in Age-Associated Force Loss: Integrating Imaging, Biochemistry, and Multi-Scale Mesh-free Modeling,” $45,126

Psychology

Dr. Elva Arredondo
National, Heart, Lung, and Blood Institute: “Enhancing Capacity in Faith-based Organizations to Implement and Sustain Multilevel Innovations to Improve Physical Activity,” $66,303

Kaiser Permanente Medical Center: “Community Partnership for Telehealth Solutions to Counter Misinformation and Achieve Equity (MINT),” $122,296

Dr. Aaron Blashill
National Science Foundation: “Longitudinal Reporting of Children's Gender Identity and Sexual Orientation among Parent-Child Dyads,” $49,000

Dr. Ruth Carper
National Science Foundation: “Identifying Neurocognitive Subtypes of Executive Function across Autism Spectrum Disorders (ASD) and Attention-deficit Hyperactivity Disorder (ADHD) - M. Cordova,” $49,000

Dr. Ruth Keehn
National Institute of Mental Health: “Neurobiobehavioral Markers of Stress, Saliency, and Multisensory Dysfunction in Autism,” $743,341

Dr. Jessica McCurley
National, Heart, Lung, and Blood Institute, “Be Well at Work-Plus: Engaging Low-wage Workers in the Design and Implementation of a Depression and Physical Activity Intervention,” $191,850

Dr. Miguel Villodas
National Science Foundation, “In Search of Mechanisms Underlying Parental Maltreatment History and Parenting - K. Hong),” $49,000

Dr. Kristen Wells
University of Arizona: “Ethnicity and Lung Cancer Survival: A Test of the Hispanic Sociocultural Hypothesis,” $10,234
Dr. Jillian Wiggins  
National Institute of Mental Health: “Neural Mechanisms of Risk and Resilience in Early Childhood Irritability,” $679,530

Management Information Systems

Dr. Carlos Paternina-Arboleda  
Partners of the Americas: “Collaborative Online Learning for the Improvement of the Cacao Value Chain in Colombia,” $25,000

Mr. Trisha Richter  
Frieda Berlinski Foundation: “Berlinski One Book One San Diego,” $25,000

Division of Research and Innovation

Dr. John Crockett  
U.S. Department of Defense Naval Information Warfare Center (NIWC): “Analytical and Technical Support Services from Undergraduate and Graduate Students at Educational Institutions,” $103,291

Student Affairs and Campus Diversity

Dr. Mary Taylor  
San Diego Housing Commission: “Guardian Scholar Program,” $600,000

INTERDISCIPLINARY PROGRAMS

Dr. Daniel Sousa, Dr. Trent Biggs, and Dr. Natalie Mladenov  

Dr. Natalie Mladenov, Dr. Eunha Hoh, and Dr. Karilyn Sant  

Dr. Hassan Tavakol-Davani and Dr. Megan Welsh  
University of South Carolina: “SCC-PG: Intelligent Flood Detection and Warning System to Assist Homeless Communities and Emergency Management Entities,” $47,218
Dr. Karen Emmorey and Dr. Phillip Holcomb
National Institute on Deafness/Other Communication Disorders: “Assessing the Neural Dynamics of Reading in Deaf Adults,” $468,452

Dr. Karen Emmorey, Dr. Phillip Holcomb, Dr. Emily Kappenman, and Dr. Tracy Love-Geffen
National Science Foundation: “Identifying Neurocognitive Mechanisms of Reading through Co-registration of Electroencephalography (EEG) and Eye Movements,” $154,395

Dr. Megan Welsh, Dr. Jerel Calzo, Dr. Jennifer Felner, Dr. Natalie Mladenov, Dr. Madison Swayne, and Dr. Matthew Verbyla
California Department of Public Health: “SDSU Proposal to Develop Statewide Guidance for WaSH Services for People Living in Encampments and Shelters in California,” $279,840

Dr. Madison Swayne and Dr. Jessica Barlow
California EPA Toxic Substances Control Department: “Statewide Inventory of Brownfields in California,” $149,025

Dr. Gena Sbeglia, Mr. Lott Hill, and Dr. Stacy Ochoa Mikrut
National Science Foundation: “Enhancing Disciplinary Learning to Diversify Biology Degree Pathways and Career Pursuits at San Diego State University,” $499,997