September 2022
Awards Received
Total: $24,176,816

Anthropology

Dr. Todd Braje
Smithsonian Institution: “Historical Ecology in the Dangermond Preserve, California,” $14,995

Dr. Erin Riley
National Science Foundation: “The Human-primate Interface: Negotiating Risks and Rewards in Anthropogenic Landscapes,” $329,849

Geography

Dr. Thomas Herman
Esri Inc.: “Coordination of Statewide Student Geographic Information Systems (GIS) Mapping Competition,” $1,000

Dr. Sergio Rey
Association of American Geographers: “Collaborative Research: Encoding Geography - Scaling up an Researcher-Practitioner Partnership (RPP) to Achieve Inclusive Geocomputational Education,” $106,525

Dr. Daniel Sousa
National Science Foundation: “Collaborative Research: SitS: Improving Rice Cultivation by Observing Dynamic Soil Chemical Processes from Grain to Landscape Scales,” $172,466

Dr. Douglas Stow
USDA Forest Service: “Effects of Drought Stress and Forest Management on Fire Behavior and Post-Fire Forest Structure in a Western Coniferous Forest,” $32,004

Administration, Rehabilitation and Postsecondary Education

Dr. Charles Degeneffe and Dr. Mark Tucker
U.S. Department of Education: “Rehabilitation Counseling in the Pacific,” $199,999

Dr. Sonia Peterson
U.S. Department of Education: “Rehabilitation Services Administration,” $149,992
Dr. Caren Sax
U.S. Department of Education: “Rehabilitation Long-Term Training Program - Vocational Rehabilitation Counseling: Collaboration for Excellence,” **$326,275**; “Vocational Rehabilitation Technical Assistance Center for Quality Management (VRTAC-QM),” **$3,080,141**

San Diego County Superintendent of Schools: “Exceptional Family Resource Center (EFRC) Early Start (ES) Referrals HOPE 22/23,” **$25,671**

**Child and Family Development**

Dr. Kelsey Dickson
National Institute of Mental Health: “Redesigning an Autism Evidence-based Practice Implementation Toolkit for Middle and High Schools,” **$213,470**

**Counseling and School Psychology**

Dr. Tonika Green
U.S. Department of Education: “Highly-Qualified Education Advocacy Leaders (HEAL) Collective: Preparing Diverse Professionals to Enhance Mental Health and Educational Outcomes for Black, Indigenous, and People of Color (BIPOC) Youth in Foster Care,” **$249,920**; “Trauma Leaders Consortium (TLC): Fostering Positive Outcomes for Students with Disabilities in Foster Care,” **$249,998**

Dr. Laura Owen
Michigan College Access Network: “School Counselor Fellows and Professional Development,” **$45,000**

Dr. Carol Robinson-Zanartu and Dr. Jennica Paz
U.S. Department of Education: “Partnering to Unify Education Service for Dual Language and English Learners (PUEDE!),” **$250,000**

**Dual Language and English Learner Education**

Dr. Saul Maldonado and Dr. Cristina Alfaro
U.S. Department of Education: “Project LEAL - Leadership, Equity and Access for Languages,” **$598,021**

Dr. Saul Maldonado, Dr. Cristina Alfaro, and Dr. Sera Hernandez
U.S. Department of Education: “Developing Effective Bilingual Educators with Resources,” **$749,068**

**Educational Leadership**

Dr. Vicki Park
University of California at San Diego: “Education System Reform Journeys - Toward Holistic Outcomes,” **$23,000**

**Special Education**

Dr. Laura Hall
Teacher Education

Dr. Lynne Bercaw
Texas Tech University: “US Prep Partnership,” $100,000

Aerospace Engineering

Dr. Ping Lu
National Aeronautics and Space Administration: “Propellant-Optimal Integrated Entry and Powered Descent Guidance for Human-Scale Mars Mission/NNH21ZHA001NRA-MSTAR,” $250,000

Dr. Satchi Venkataraman
Materials Sciences Corporation: “Analysis Tool to Predict the Behavior of Bolted Composite/Metallic Joints with Many Fasteners,” $200,000

Civil, Construction and Environmental Engineering

Dr. Marta Miletic, Dr. Margherita Capriotti, Dr. Elisa Torresani, and Dr. Julio Valdes
New Mexico State University: “Minority University Research and Education Project (MUREP) Advancing Regolith-related Technologies and Education (MARTE),” $82,000

Dr. Natalie Mladenov

Electrical and Computer Engineering

Dr. Huu Nguyen

Mechanical Engineering

Dr. Subrata Bhattacharjee and Dr. Fletcher Miller
National Aeronautics and Space Administration: “Residence Time Driven Flame Spread: The Final Phase,” $72,132

Dr. Eugene Olevsky and Dr. Wenwu Xu
Dr. Shirin Hooshmand and Dr. Mark Kern
National Pork Board: “Personalized Pork: Dose-dependent Identifications of Unique Biomarkers,” $263,956

Public Health

Dr. Elva Arredondo
National Heart, Lung, and Blood Institute: “Administrative Supplement to Parent Grant: Enhancing Capacity in Faith-based Organizations to Implement and Sustain Multilevel Innovations to Improve Physical Activity,” $176,809

Dr. Noe Crespo

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

Dr. PJE Quintana
California Department of Transportation: “Monitoring Traffic-related Air Pollution in a U.S.-Mexico Border Transportation Corridor,” $88,068

Dr. Gregory Talavera
Albert Einstein College of Medicine: “Epidemiology of the Gut Microbiome, Prediabetes and Diabetes in Latinos,” $61,046

Social Work

Mr. Steven Hornberger
Community Initiatives: “Breaking Barriers Symposium,” $10,000

Health Net: “Wellness Club Initiative,” $3,500

Stepping Higher: “Faith-based Training Academy,” $5,000

Ms. Jennifer Tucker-Tatlow
San Diego County Health and Human Services Agency: “Workforce Education and Training: Training and Technical Assistance - Behavioral Health Training,” $244,722

Ms. Jennifer Tucker-Tatlow and Ms. Jennifer Baum
Imperial County Department of Social Services: “Imperial Coaching and Training 22/23,” $68,838

National Adult Protective Services Association (NAPSA): “National Adult Protective Services Association (NAPSA) National Adult Protective Services (APS) Training Center FY 21/22,” $530,346
Dr. Maria Zuniga and Dr. Eileen Pitpitan
National Institute on Drug Abuse: “Addiction Scientists Strengthened through Education and Training (ASSET),” $260,453

Dr. Maria Zuniga, Dr. Eileen Pitpitan, and Dr. Mark Reed
National Cancer Institute: “San Diego State University (SDSU) FUERTE: Faculty United towards Excellence in Research and Transformational Engagement,” $4,822,518

Speech, Language and Hearing Sciences

Dr. Stephanie Ries-Cornou
National Science Foundation: “CAREER: Uncovering the Neural Dynamics of Speech Monitoring Processes During Language Production,” $177,831

Dr. Peter Torre
Harvard University: “Pediatric Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Syndrome (AIDS) Cohort Study (PHACS) 2021,” $15,714

Art Design and History

Ms. Annie Buckley
California Arts Council: “Prison Arts Collective,” $560,000

Biology

Dr. Sanford Bernstein
National Institute of General Medical Sciences: “Administrative Diversity Supplement to Genetics and Molecular Biology of Striated Muscle Myosin,” $51,793

Dr. Maya Capelson
National Institute of General Medical Sciences: “Nuclear Pore Complexes as Scaffolds for Genome Architecture and Epigenetic Maintenance,” $325,532

Dr. Richard Cripps
National Institute of General Medical Sciences: “Genetic Regulation of Muscle Fiber Diversity,” $32,491

Dr. Rebecca Lewison and Dr. Megan Jennings
California Department of Fish and Wildlife: “Evaluating Predation Risk of Ungulates in a Southern California Desert Landscape Experiencing Drought,” $15,853

Dr. Jeremy Long
Dr. Anca Segall
Washington University in St. Louis: “Novel Experimental and Computational Resources for Virome Analysis in Inflammatory Bowel Disease,” $198,830

Dr. Arun Sethuraman


Dr. Ricardo Zayas
National Institute of General Medical Sciences: “Molecular Mechanisms Underlying Sensory Neuron Regeneration and Function,” $74,349

Mr. Thomas Zink
U.S. Department of Defense: “San Clemente Island Botany Program Implementation,” $506,547

Computer Science

Dr. Marie Roch

Geological Sciences

Dr. Shuo Ma
University of Southern California: “Generation of Broadband Ground Motion from Dynamic Rupture Simulations: A Group Modeling Approach Towards Better Characterizing Seismic Hazard for Engineering Applications,” $20,500

Mathematics and Statistics

Dr. Mary Pilgrim
National Science Foundation: “Collaborative Research: Implementing an Active and Inclusive Mathematics Professional Development Program for Graduate Teaching Assistants (The AIM-PD Program),” $137,292

Dr. Osvaldo Soto
California State University Office of the Chancellor: “Continuing Website Development for the Discrete Math Project Collaborative,” $25,000

Physics

Dr. Kenneth Nollett and Dr. Calvin Johnson
National Nuclear Security Administration: “Scattering and Reactions in a Shell Model Framework,” $150,000

Psychology

Dr. Linda Gallo
Children's Mercy Kansas City: “Characterization of Sedentary Patterns and Cardiovascular Disease Risk Markers in Hispanics/Latinos,” $86,842
University of California at San Diego: “Study of Latinos - Investigation of Neurocognitive Aging-Alzheimer's Disease,” $481,660

**Dr. Sarah Mattson**
National Institute on Alcohol Abuse and Alcoholism: “Assessment of Fetal Alcohol Spectrum Disorders (FASD) Using Novel Web-Based Tools,” **$444,625**

**Dr. Edward Riley**
National Institute on Alcohol Abuse and Alcoholism: “Smartphone-based Application to Assist in the Screening/Diagnosis of Fetal Alcohol Spectrum Disorders (FASD),” **$178,719**

**Dr. Gregory Talavera**
University of California at San Diego: “University California San Diego (UCSD) Alzheimer's Disease Research Centers P30,” **$30,100**

**Dr. Dustin Thoman and Dr. Allison Vaughn**
California State University Office of the Chancellor: “Developing Instructional Cultures that Support Student Motivation in Math,” **$175,000**

SDSU

**ACADEMIC AFFAIRS**

**Dr. Andrew Bohonak**
National Science Foundation: “Too Much Information: Neural Mechanisms of Efficient Filtering - L. Mash,” **$98,400**

**Ms. Margaret Henderson**
University of Washington: “Training Health Sciences Students to Find Data for Local and Global Research and Service Projects,” **$14,685**

SDSU | Division of Research and Innovation

**Dr. John Crockett**

**INTERDISCIPLINARY PROGRAMS**

**Dr. Trent Biggs and Dr. Natalie Mladenov**
Environmental Protection Agency: “Real-time Monitoring of Water Quality in the Tijuana River,” **$41,125**

**Dr. Yasemin Turan-Qian, Dr. Laura Hall, and Dr. Sonja Pruitt**
Dr. Madison Swayne and Dr. Jessica Barlow
California EPA Toxic Substances Control Department: “Statewide Inventory of Brownfields in California,” $169,256

Dr. Marina Kalyuzhnaya, Dr. Christine Dykstra, and Dr. John Love
U.S. Department of Defense: “Harnessing Methanotrophic Bacteria for REGAIN: Rare Earth Element Gleaning from Alkaline Tailings,” $1,458,625

Dr. Jessica Barlow and Dr. Madison Swayne
Environmental Protection Agency: “Community-Wide Assessment of Brownfield Sites in National City, CA,” $500,000

Dr. Emilio Ulloa and Dr. Stacy Ochoa Mikrut
U.S. Department of Education: “San Diego State University (SDSU) Hispanic Serving Institution (HSI) Science, Technology, Engineering, and Mathematics (STEM) and Articulation Program,” $770,977