

**October 2024**  
**Awards Received**  
**Total: \$9,769,334**

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**Office of the Dean**

**Dr. Mathias Schulze and Dr. Christopher Brown**

University of California Office of the President: "California Subject Matter Project (CSMP)," **\$17,000**

**Anthropology**

**Dr. Isaac Ullah and Dr. David Cline**

University of Central Florida: "Community Heritage Empowerment Toolkit (CHET): A Standards-Based Toolkit for Documenting a Structure's Life History for Grassroots Heritage Preservation Organizations," **\$22,974**

**Geography**

**Dr. Trent Biggs**

U.S. Department of the Interior United States Geological Survey: "Global Food Security--Support Analysis Data (GFSAD)," **\$62,040**

**Dr. Thomas Herman**

South Bay Community Services (SBCS) Corporation: "South Region Evaluation: First 5-Healthy Development Services for Children," **\$77,677**

**Dr. Dan Sousa**

National Aeronautics and Space Administration: "Southern California Fieldwork to Support 2024 FireSense Airborne Science Objectives: Post-fire Regrowth and Pre-fire Mapping of Vegetation Structure, Live Fuel Moisture, Soil Moisture, and Burn Temperature," **\$131,162**

**Dr. Douglas Stow**

USDA Agriculture Research Service Forest Service: "Remote Sensing of Forest Health and Fire Effects," **\$26,964**

**History**

**Dr. Gregory Daddis**

Florida State University: "Hub & Spoke Post-Doctorate Fellowship Program," **\$107,944**

**Administration, Rehabilitation, and Postsecondary Education**

**Dr. Charles Degeneffe**

San Diego State University: “Technical and Administrative Support Services for the Master's of Science (MS) Rehabilitation Counseling - Consortium for Distance Education in Rehabilitation (CDER) Degree Program,” **\$89,871**

**Dr. Maribel Guillermo**

Research Foundation for Mental Hygiene Inc.: “Equitable Transition Model (ETM),” **\$99,690**

**Dr. Felisha Herrera Villarreal**

Arizona State University: “National Science Foundation (NSF) INCLUDES ALRISE Alliance: Accelerate Latino Representation in Science, Technology, Engineering and Mathematics (STEM) Education - Establishing Hispanic-Serving Identity, Increasing Intentionality, and Delivering Experiential Learning,” **\$232,457**

**Dr. Mark Tucker**

George Washington University: “George Washington-Center for Rehabilitation Counseling Research and Education (GW-CRCRE) Center for Innovative Training in Vocational Rehabilitation (VR),” **\$187,037**

**Dual Language and English Learner Education**

**Dr. Saul Maldonado**

University of California at Santa Cruz: “Secondary English Learner Science, Technology, Engineering and Mathematics (STEM) Content Access,” **\$23,199**

**Educational Leadership**

**Dr. Jose Escobedo**

The Stuart Foundation: “A Plus for Alternative Schools,” **\$100,000**

**Teacher Education**

**Dr. Meredith Houle**

California State University (CSU) East Bay: “Aligning the Science Teacher Education Pathway. A Networked Improvement Community,” **\$44,135**

**Dr. Nicholas Johnson**

University of California Office of the President: “San Diego Math Project - California Subject Matter Project (CSMP),” **\$24,000**

**Dr. Donna Ross**

University of Oregon: “Western Regional Noyce Network,” **\$558,868**

**Mechanical Engineering**

**Dr. Samuel Kassegne**

University of Miami: “AccelNet-Implementation: Broadening Carbon Ring (A Holistic Approach to the Next Generation Carbons),” **\$100,790**

**Dr. Parag Katira**

Columbia University: “Identifying the Origin of the Universal Performance Characteristics of Motors,” **\$15,000**

**Dr. Karen May-Newman**

National Science Foundation: “Development of a Regulatory Science Tool for Virtual Design of Novel Ventricular Pump Strategies,” **\$195,291**

**Dr. Zahra Nili Ahmadabadi**

U.S. Department of Defense U.S. Army: “Long-Range Signal Detection in Cluttered Environments with Dynamic Non-Convex Signal Fields,” **\$99,645**

**Dr. Eugene Olevsky and Dr. Wenwu Xu**

U.S. Department of Energy Office of Science: “Electro-Nano-Pulsing (ENP) Processing of Advanced Materials,” **\$80,000**

**Exercise and Nutritional Science**

**Dr. Michelle Rawlin**

National Athletics Trainers Association Research and Education Foundation: “Factors Impacting Collegiate Athletic Trainer’s Job Satisfaction: A Qualitative Study,” **\$1,000**

**Dr. Jing Zhao**

Washington State University: “Value-added up Cycled Protein from Camelina Seed Oil Press Cake and Oat Base by-product through Innovative Processing for Food Applications,” **\$30,000**

**Dr. Jing Zhao and Dr. Changqi Liu**

California State University Los Angeles: “e-FARMS: Education Reform in Food and Agriculture Using Reactive Molecular Simulations and Science Pedagogy,” **\$126,795**

**Nursing**

**Dr. Young-Shin Lee and Dr. Hee-Jin Jun**

Centers for Medicare and Medicaid Services: “Determining Factors Associated with Loss of Independence Among Ethnic Minority Older Adults: A 10-year Longitudinal Study Using National Health and Aging Trends Study (NHATS) Study,” **\$237,500**

**Dr. Karen Macauley**

Health Resources and Services Administration: “Imperial County Acute Care Nursing Workforce Project,” **\$313,945**

## Public Health

**Ms. Lisa Asmus and Dr. Corinne McDaniels-Davidson**

San Diego Social Advocates for Youth: “Safeguard San Diego Partnership for Success - Evaluation Services,” **\$50,000**

**Dr. Guadalupe Ayala**

National Institute on Minority Health and Health Disparities: “Imperial County Clinical Research Network for Health Equity (Administrative Supplement),” **\$1,114,452**

**Dr. Jerel Calzo**

Boston College: “Building Empowerment Program for Individual and Collective (EPIC) Health: An Empowerment Program for Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ+) Students,” **\$98,031**

**Dr. John Elder**

University of Southern California: “Southern California Center for Chronic Health Disparities in Latino Children and Families,” **\$18,447**

**Dr. Elana Elkin**

Morehouse School of Medicine: “Placenta-specific Expression as Mediator and Moderator of Environmental Disparities in Pregnancy and Birth Outcomes in Asian and Admixed Populations,” **\$69,196**

**Dr. Susan Kiene**

Arizona State University: “Improving Human Immunodeficiency Virus (HIV) Care Engagement among Ugandan Adolescent Girls and Young Women through Reductions in Male Partner Alcohol Use and Intimate Partner Violence Risk: The KISOBOKA Mukwano Intervention,” **\$47,627**

**Dr. Nicolas Lopez-Galvez**

University of California at San Diego: “Assessing Pesticide Exposure in Relation to Kidney Function and Cognitive Deterioration among Farmworkers in Imperial Valley,” **\$41,143**

**Dr. Elizabeth Reed**

Tulane University: “Promoting Color Brave Conversations in Families: A Public Health Strategy to Advance Racial Equity,” **\$43,424**

**Dr. Erik Storholm**

National Institute of Mental Health: “Implementing an Evidence-Based Trauma Treatment with Community-led Pre-exposure Prophylaxis (PrEP) Navigation for Transgender and Gender Diverse Individuals Affected by Violence and Human Immunodeficiency Virus (HIV),” **\$402,231**

## Social Work

**Ms. Lori Clarke**

Ventura County: “Foundations for Ventura County's Wellness System: Integrated Core Practice Model (ICPM) Training Academy,” **\$260,000**

**Mr. Steve Hornberger and Dr. Michelle Matter**

City of Vista: “Vista Age Friendly Action Plan,” **\$21,771**

**Dr. Michelle Matter**

The Scan Foundation: “Virtual Watch Party - Health Equity and Aging Summit,” **\$5,000**

**Hospitality and Tourism Management**

**Mr. Carl Winston**

San Diego State University: "California State University Hospitality and Tourism Alliance," **\$46,452**

**Music and Dance**

**Dr. Kevin Delgado**

University of California Office of the President: "Southern Counties California Arts Project (SouthCAP) California Subject Matter Projects (CSMP) 2022-2025," **\$20,000**

**Public Affairs**

**Dr. AJ Kim**

Community Services Unlimited Inc.: "Seafood Equity: Addressing Barriers to Seafood in Low-income Food-insecure Communities using Domestic Production and Supply Chains," **\$44,808**

**Office of the Dean**

**Dr. Estralita Martin**

California State University Sacramento University Enterprises Inc.: "Louis Stokes Science, Technology, Engineering and Mathematics (STEM) Pathways and Research Alliance (CSU-LASMP)," **\$32,034**

**Dr. Patrick Shoemaker**

U.S. Department of Defense Air Force Office of Scientific Research: "Integrative Model of Dynamic Facilitation in Insect Vision," **\$75,823**

**Astronomy**

**Dr. Douglas Leonard**

Space Telescope Science Institute: "JWST-GO-05324: Do Pass  $z=2$ , Do Collect Type Ia Supernovae: Breaking Out of Redshift Jail with James Webb Space Telescope (JWST)," **\$28,735**

**Dr. Robert Quimby**

LSST Discovery Alliance: "LSST Discovery Alliance Expansion Partnership," **\$24,000**

**Biology**

**Dr. Kinsey Brock**

United States Israel Binational Science Foundation: "Urbanization Effects on Gecko Traits and Behaviors and their Convergence Across their Range," **\$75,000**

**Dr. Megan Jennings and Dr. Rebecca Lewison**

AECOM Technology Corporation: “On-Call Environmental Generalist Services for Caltrans District 11 Sub to Architecture, Engineering, Construction, Operations, and Management (AECOM),” **\$2,733**

**Dr. Luke Miller**

California Sea Grant College Program: “Using Novel Coastal Armoring Methods to Support Geater Intertidal Community Productivity and Resilience Against Climate Warming Impacts,” **\$41,448**

**Dr. Dwayne Roach**

CFD Research: “Portable Phage Preparation Technology for Field Application,” **\$187,500**

University at Buffalo: “Pharmacokinetics and Pharmacodynamics of Mechanistically Aware Phage Cocktails,” **\$187,028**

**Dr. Forest Rohwer**

The Gordon and Betty Moore Foundation: “Phage Symbiosis Gordon and Betty Moore Foundation,” **\$405,000**

**Mr. Thomas Zink**

U.S. Department of Defense: “San Clemente Island Botanical Program Implementation,” **\$600,788**

**Dr. Nancy Zuniga Pena**

The Great Lakes Bioenergy Research Center (GLBRC): “Emerging Opportunity Program (EOP) Proposal: Model-driven Discovery and Characterization of the Metabolism of Zymomonas Mobilis at Genome Scale,” **\$232,989**

**Chemistry and Biochemistry**

**Dr. Jeffrey Gustafson**

University of Utah: “National Science Foundation (NSF) Center for Synthetic Organic Electrochemistry,” **\$75,858**

**Dr. Yong Yan and Dr. Jing Gu**

Alliance for Sustainable Energy LLC: “Center for Hybrid Organic Inorganic Semiconductors for Energy (CHOISE),” **\$111,137**

**Computer Science**

**Dr. Miranda Parke**

National Science Foundation: “Collaborative Research: Development and Validation of a Versatile and Equitable CS1 Assessment,” **\$143,278**

**Dr. Salimeh Yasaei Sekeh**

National Science Foundation: “CAREER: Foundations of Deep Neural Network Robustness and Efficiency,” **\$201,337**

**Earth and Environmental Sciences**

**Dr. Jillian Maloney**

Oregon State University: “Archaeological Investigation of Washington Continental Shelf,” **\$37,851**

## Mathematics and Statistics

### **Dr. Ricardo Carretero**

National Science Foundation: “Collaborative Research: New Directions for Vortex Dynamics in Atomic BECs: From Theory and Computation to Physical Experiments,” **\$25,000**

### **Dr. Richard Levine, Dr. Kyle Hasenstab, and Dr. Henry Scharf**

University of California at Santa Barbara: “Southern California Consortium for Data Science,” **\$34,020**

### **Dr. Antonio Palacios**

University of Maryland: “Complex, Collective Dynamics of Oscillator Systems with Disordered Parameters,” **\$71,920**

### **Dr. Osvaldo Soto**

San Diego State University: “Supporting Discrete Math Project Collaborative Summer Institute for Teachers 2024,” **\$30,000**

## Psychology

### **Dr. Aaron Blashill**

Auburn University: “Targeting Minority Stressors to Improve Eating Disorder Symptoms in Sexual Minority Individuals with Eating Disorders,” **\$446,723**

### **Dr. Linda Gallo**

Albert Einstein College of Medicine: “New York Regional Center for Diabetes Translation Research,” **\$68,174**

### **Dr. Jonathan Helm**

University of California at San Diego: “BRain Aging and Cognition in Epilepsy (BRACE): A Longitudinal Investigation of Vascular, Genetic, and Biomarker Risk Profiles in Elderly Patients with Epilepsy,” **\$9,047**

### **Dr. Tristen Inagaki**

University of California at San Diego: “Measuring Social Isolation, Loneliness, and Intersectional Stigma among Older Adults with Opioid Use Disorder,” **\$45,150**

### **Dr. Edward Riley**

National Institute on Alcohol Abuse and Alcoholism: “International Conferences on Fetal Alcohol Spectrum Disorders,” **\$25,000**

### **Dr. Gregory Talavera**

Albert Einstein College of Medicine: “Vascular Determinants of Stage B HF among Hispanics: The Role of the Heart-Vascular Interaction (Heart-Vascular study),” **\$190,809**

University of California at San Diego: “Activity Levels, Myosteatosis and Insulin Resistance/Diabetes Mellitus View Text,” **\$36,435**

### **Dr. Miguel Villodas**

Temple University: “Shaping the Future of Neglect Science through Measurement Development,” **\$29,942**



## ACADEMIC AFFAIRS

### **Dr. Suzanna Fuentes-Ferreiro**

Imperial County Workforce Development Board: “Medical Administrative Assistant 2024,” **\$13,387**



### **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,” **\$134,110**; and “Benthic Microbial Fuel Cell and Hydrokinetic Switching Electronics Study,” **\$88,000**

## INTERDISCIPLINARY PROGRAMS

### **Dr. Natalie Santizo and Ms. Erika Esquivel**

Council on Library Resources: “Unearthing the Chicana/o Movement in San Diego: Digitizing the Education Movimiento,” **\$300,000**

### **Dr. Bruce Appleyard, Dr. Joshua Chanin, Dr. Katie Crist, Dr. Sahar Ghanipoor Machiani, Dr. Joseph Gibbons, Dr. Arash Jahangiri, and Dr. Madison Swayne**

University of New Mexico: “Center for Pedestrian Bicycle Safety,” **\$328,036**

### **Dr. Paul Gilbert and Dr. John Elder**

University of California at San Diego: “San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors - Admin Core (AC),” **\$124,727**; and “San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors - Community Liaison (CLRC),” **\$18,749**