

# Awards Received

September 2021

**Total: \$29,527,865**

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## COLLEGE OF ARTS & LETTERS

### Geography

#### **Dr. Thomas Herman**

South Bay Community Services: “*Evaluation of First 5 Targeted Home Visiting Program for South Bay Community Services,*” **\$57,000**; “*South Region Evaluation First 5-Healthy Development Services for Children,*” **\$65,860**

## COLLEGE OF EDUCATION

### Administration, Rehabilitation & Postsecondary Education

#### **Dr. Charles Degeneffe and Dr. Mark Tucker**

U.S. Department of Education Office of Special Education/Rehabilitation Services: “*Rehabilitation Counseling in the Pacific,*” **\$199,998**

#### **Dr. Frank Harris and Dr. Marissa Vasquez**

The Steve Fund: “*The Community College Equity Assessment Lab (CCEAL),*” **\$39,999**

#### **Dr. Sonia Peterson**

U.S. Department of Education Office of Special Education/Rehabilitation Services: “*Rehabilitation Services Administration,*” **\$149,995**

#### **Dr. Caren Sax**

U.S. Department of Education Office of Special Education/Rehabilitation Services: “*Rehabilitation Long-Term Training program--Vocational Rehabilitation Counseling: Collaboration for Excellence,*” **\$200,000**; “*Vocational Rehabilitation Technical Assistance Center for Quality Management (VRTAC-QM),*” **\$3,344,560**

Poway Unified School District: “*Exceptional Family Resource Center (EFRC) Poway Alternative Dispute Resolution 21/22,*” **\$13,000**

San Diego County Office of Education: “*Exceptional Family Resource Center (EFRC) Resolutions for Student Success 21/22,*” **\$70,000**

Utah State University: “*Targeting Special Education Vocational Rehabilitation Secondary Transition Collaboration Competencies for Improved Transition Outcomes,*” **\$83,145**

#### **Dr. Marissa Vasquez**

American Educational Research Association: “*Fostering Scholar Identities among Latina/o/x Community College Students Via Undergraduate Research,*” **\$5,000**

## **Child & Family Development**

### **Dr. Kelsey Dickson**

National Institute of Mental Health: “*Adapting an Autism Spectrum Disorder (ASD) Executive Functioning Intervention for Implementation in Children's Mental Health Services,*” **\$169,734**

## **Counseling & School Psychology**

### **Dr. Tonika Green**

U.S. Department of Education Office of Special Education/Rehabilitation Services: “*Trauma Leaders Consortium (TLC): Fostering Positive Outcomes for Students with Disabilities in Foster Care,*” **\$249,998**

### **Dr. Jennica Paz and Dr. Carol Robinson-Zanartu**

U.S. Department of Education Office of Special Education/Rehabilitation Services: “*Partnering to Unify Education Service for Dual Language and English Learners (PUEDE!),*” **\$250,000**

## **Educational Leadership**

### **Dr. Jose Escobedo**

San Diego County Office of Education: “*National Center for Urban School Transformation (NCUST): Strengthening Tier I Instruction to Eliminate Disproportionality- San Diego County Office of Education Special Education Local Plan Area (SELPA),*” **\$36,000**

Yolo County Office of Education: “*National Center for Urban School Transformation (NCUST): Equity and Excellence Audit for Cesar Chavez Community School Yolo County 2021,*” **\$26,000**

### **Dr. Joseph F. Johnson, Jr.**

San Francisco Unified School District: “*National Center for Urban School Transformation (NCUST): Professional Services San Francisco Unified School District 2021-22,*” **\$639,750**

## **Learning Design & Technology**

### **Dr. James Marshall**

California State University San Marcos: “*Sustaining and Expanding Mobile Making in Underserved Communities,*” **\$15,000**

## **Special Education**

### **Dr. Jessica Suhrheinrich**

Marin County Office of Education: “*Improving Outcomes for Students with Autism and Related Developmental Disabilities by Scaling up the use of Evidence Based Practice,*” **\$139,646**

## **COLLEGE OF ENGINEERING**

### **Aerospace Engineering**

### **Dr. Gustaaf Jacobs**

U.S. Department of Defense Air Force Office of Scientific Research: “*Birth and Control of Three-dimensional Lagrangian Separation: Optimal Control,*” **\$73,436**

U.S. Department of Energy: “*Development of Design Practices for Additively Manufactured Micro-Mix Hydrogen Fueled Turbine Combustors with High-Fidelity Simulation Analysis, Reduced Models and Testing,*” **\$600,000**

**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**

National Aeronautics and Space Administration: “*National Aeronautics and Space Administration (NASA) Fellowship,*” **\$14,467**

**Civil & Environmental Engineering**

**Dr. Robert Dowell and Dr. Julio Valdes**

General Dynamics NASSCO: “*Fatigue Testing of Full-Scale Swage Panels for Ships,*” **\$74,707**

**Dr. Alicia Kinoshita**

National Science Foundation: “*Coupling Post-fire Vegetation and Volumetric Sediment Regimes in Urban Mediterranean Systems,*” **\$115,728**

**Dr. Natalie Mladenov**

National Science Foundation: “*Investigating Antibiotics Removal from Wet Onsite Sanitation Systems Using Bench-scale Anaerobic Digesters (Fellowship - Astete-Vasquez),*” **\$46,000**

**Mr. Thomas Zink**

U.S. Department of the Defense Army Corps of Engineers: “*San Clemente Island Botany Program Implementation,*” **\$506,371**

**Mechanical Engineering**

**Dr. Fletcher Miller**

National Aeronautics and Space Administration: “*Developing the Narrow Channel Apparatus as a National Aeronautics and Space Administration (NASA) Standard Material Flammability Test – Flight Experiment,*” **\$31,000**

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

U.S. Department of Energy Office of Science: “*Tailoring Grain-boundaries by Electro-Nano-Pulsing (ENP),*” **\$267,000**

**Dr. Sungbum Kang, Dr. Eugene Olevsky, and Dr. Elisa Torresani**

National Science Foundation: “*Collaborative Research: Designing Materials to Revolutionize and Engineer our Future (DMREF): Accelerating the Adoption of Sintering-Assisted Additive Manufacturing Using Integrated Experiments, Theory, Simulation and Data Science,*” **\$1,000,000**

**COLLEGE OF HEALTH & HUMAN SERVICES**

**Office of the Dean**

**Dr. Corinne McDaniels-Davidson**

California Department of Health Services: “*Women, Infants and Children (WIC) Books for Kids,*” **\$141,939**

## Nursing

### **Dr. Beverly Carlson**

University of California at San Diego: “*UC San Diego Clinical and Translational Research Institute,*” **\$29,859**

### **Dr. Philip Greiner and Dr. Roopali Gupta**

Health Resources and Services Administration: “*San Diego/Imperial Geriatric Education Center (SDIGEC): Expanding Geriatric Education in Primary Care,*” **\$482,334**

## Public Health

### **Dr. Elva Arredondo**

RAND Corporation: “*Linking Churches with Parks to Increase Physical Activity Among Latinos,*” **\$24,452**

### **Dr. Hala Madanat and Dr. Corinne McDaniels-Davidson**

San Diego State University: “*Community Health Workers for COVID-19 Contact Tracing in San Diego County,*” **\$1,642,376**

### **Dr. Corinne McDaniels-Davidson**

California Department of Health Services: “*Women, Infants and Children (WIC),*” **\$7,025,669**

Indian Health Council: “*Native American Research Center for Health (NARCH) XII Evaluation,*” **\$12,500**

San Diego County Health and Human Services Agency: “*Tobacco Control Resource Program - Evaluation Services Yr 4,*” **\$14,800**

### **Dr. Corinne McDaniels-Davidson and Ms. Tanya Penn**

University of California at San Diego: “*San Diego Clinical Translational Research Institute (CTRI),*” **\$122,757**

### **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,*” **\$185,602**

### **Dr. Karilyn Sant**

University of Massachusetts: “*Toxicant Disruption of Receptor-Mediated Endocytosis in Oogenesis and Later Life Metabolic Dysfunction,*” **\$21,070**

## Social Work

### **Ms. Jennifer Baum and Ms. Jennifer Tucker-Tatlow**

California Department of Social Services: “*Administration for Community Living (ACL) Adult Protective Services Training,*” **\$24,044**

San Diego County Health and Human Services Agency: “*San Diego Child Welfare Coaching & Training 21/22,*” **\$12,929**

### **Dr. Eileen Pitpitan and Dr. Maria Zuniga**

National Institute on Drug Abuse: “*Addiction Scientists Strengthened through Education and Training (ASSET),*” **\$261,246**

## Speech, Language and Hearing Sciences

### **Dr. Ashley Adams**

University of California at Irvine: “*Developing A21 Spanish Adaptive Progress Monitoring Assessments for PK-3<sup>rd</sup> Grade,*” **\$170,351**; “*Optimizing Learning Opportunities for Students (OLOS) Observation System,*” **\$38,655**; “*Personalizing Literacy Instruction for English Learners,*” **\$22,357**

### **Dr. Crystle Alonzo**

American Speech Language Hearing Association: “*American Speech-Language-Hearing Association (ASHA) Mentoring Award,*” **\$5,000**

## COLLEGE OF PROFESSIONAL STUDIES & FINE ARTS

### Art Design & History

### **Ms. Annie Buckley**

California Arts Council: “*Prison Arts Collective,*” **\$500,000**

National Endowment for the Arts: “*National Endowment for the Arts (NEA) Grants for Arts: Prison Arts Collective,*” **\$35,000**

### Communication

### **Dr. Yea-Wen Chen**

Waterhouse Family Institute for the Study of Communication: “*Holding Space with Immigrant Women Faculty in Communication to Retreat, Relate, and Reflect: A Coauthored White Paper to Reimagine U.S. Academia,*” **\$9,425**

## COLLEGE OF SCIENCES

### Office of the Dean

### **Dr. Jose Castillo**

Predictive Science Inc.: “*High Performance Testing Algorithms,*” **\$48,913**

### **Dr. Stacy Ochoa Mikrut**

U.S. Department of Education Office of Postsecondary Education: “*SDSU Hispanic Serving Institution (HSI) Science, Technology, Engineering and Mathematics (STEM) and Articulation Program,*” **\$629,475**

### **Dr. Jeffrey Roberts**

Government of Georgia: “*Graduate Award for SDSU-Georgia Chemistry Program - Ani Chakhrakia,*” **\$15,000**

### Biology

### **Dr. Ted Cranford**

U.S. Department of Defense Office of Naval Research: “*Investigating Bone-conduction as a Pathway for Mysticete Hearing,*” **\$150,000**

**Dr. Matthew Edwards**

National Science Foundation: “*National Science Foundation Convergence Accelerator Track E: Developing Blue Economy from Micro to Macro-scale in Kelp Aquaculture,*” **\$557,577**

**Dr. Marina Kalyuzhnaya**

Ministry of Science/Higher Education – Russian Federation: “*Russian Federation (RF) Presidential Scholarship - Leonov Denis,*” **\$32,240**; “*Russian Federation (RF) Presidential Scholarship - Ustinov Egor,*” **\$32,240**

**Dr. Rebecca Lewison**

California Sea Grant College Program: “*Improving Predictions of Distribution Change Under Anomalous Conditions Using a Joint Fishery-Species Distribution Model,*” **\$117,109**

**Dr. Walter Oechel and Dr. Samuel Shen**

City College of New York: “*CREST,*” **\$62,813**

**Dr. Forest Rohwer**

National Science Foundation Division of Bioengineering and Environmental Systems: “*Collaborative Research: Environmental Convergence Opportunities in Chemical, Bioengineering, Environmental, and Transport Systems (ECO-CBET): From Molecules to Sustainable Reef Platforms: Engineering Ecosystems for Coral Recruitment and Survival,*” **\$162,146**

**Dr. Arun Sethuraman**

National Science Foundation: “*CAREER: Developing New Computational Methods to Address the Missing Data Problem in Population Genomics,*” **\$474,170**

**Dr. Ricardo Zayas**

National Institute of General Medical Sciences: “*Molecular Mechanisms Underlying Sensory Neuron Regeneration and Function,*” **\$73,298**

**Mr. Thomas Zink**

U.S. Department of Defense U.S. Navy: “*Dune Restoration at Naval Base Coronado (NBC) and Pollinator Study at Naval Auxiliary Landing Field (NALF) San Clemente Island (SCI),*” **\$82,989**

San Diego River Conservancy: “*Alvarado Creek Bed Fire Fuel Reduction,*” **\$500,000**

**Chemistry & Biochemistry**

**Dr. Rees Garmann**

National Institute of General Medical Sciences: “*Mapping the Assembly Pathways for Viral Capsids by Direct Single-particle Measurements,*” **\$19,688**

**Dr. Douglas Grotjahn**

U.S. Department of Energy Office of Science: “*Improving and Measuring Water Oxidation Catalyst Viability,*” **\$219,605**

**Dr. Christopher Harrison**

National Aeronautics and Space Administration: “*Identification and Detection of Chemical Traces of Past Life in Planetary Rocks,*” **\$55,000**

**Dr. Manal Swairjo**

National Institute of General Medical Sciences: “*RNA Modification: Mechanism and Links to Other Metabolic Pathways,*” **\$445,572**

**Dr. Yong Yan**

U.S. Department of Energy National Renewable Energy Laboratory: “*Center for Hybrid Organic-Inorganic Semiconductors for Energy*,” **\$75,000**

**Computer Science**

**Ms. Patricia Kraft, Dr. Shangping Ren, Dr. Marie Roch, and Dr. Roger Whitney**

Northeastern University: “*Innovations to Increase Women in Computing*,” **\$60,000**

**Dr. Xiaobai Liu**

National Science Foundation: “*Collaborative Research: Office of Advanced Cyberinfrastructure (OAC) Core: Stochastic Simulation Platform for Assessing Safety Performance of Autonomous Vehicles in Winter Seasons*,” **\$199,691**

**Mathematics & Statistics**

**Dr. William Zahner**

University of Rochester Warner School of Business: “*Exploring Demands from Perspectives of Multiple Stakeholders When Enacting Inquiry-based Mathematics in High-needs Settings*,” **\$253,051**

**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*,” **\$69,313**

**Dr. Milton Torikachvili**

U.S. Department of Defense Naval Information Warfare Center (NIWC): “*Quantum Illumination Radar Research*,” **\$39,286**

**Psychology**

**Dr. Linda Gallo**

Children's Mercy Kansas City: “*Characterization of Sedentary Patterns and Cardiovascular Disease Risk Markers in Hispanics/Latinos*,” **\$261,766**

**Dr. Vanessa Malcarne**

Rheumatology Research Foundation: “*Psychometric Evaluation and Measurement Invariance of the UCLA Loneliness Scale in English and French in SSc Patient Population*,” **\$1,000**

**Dr. Georg Matt**

Cincinnati Children's Hospital: “*Assessment, Detection, and Validation of Clinical Associations of Thirdhand Smoke Exposure*,” **\$234,623**

**Dr. Gregory Talavera**

University of California at San Diego: “*Mechanisms of Disparities in Adverse Neurocognitive Outcomes among Hispanics Aging with Human Immunodeficiency Virus (HIV)*,” **\$73,157**

University of California at San Diego: “*UCSD Alzheimer's Disease Research Centers P30*,” **\$30,100**

**Dr. Kristen Wells**

University of Virginia: “*Smart and Connected Health (SCH):INT: Collaborative Research: Multiscale Modeling and Intervention for Improving Long-Term Medication,*” **\$139,669**

**FOWLER COLLEGE OF BUSINESS**

**Dr. Martina Musteen**

U.S. Department of Education Office of Postsecondary Education: “*Center of International Business Education & Research (SDSU CIBER),*” **\$315,000**

**KPBS – EDUCATIONAL RADIO AND TELEVISION**

**Ms. Trisha Richter**

San Diego State University: “*MACP 2021 Combined,*” **\$932,000**

WUNC North Carolina Public Radio: “*American Homefront,*” **\$72,800**

**RESEARCH & INNOVATION**

**Dr. John Crockett**

U.S. Department of Defense Space and Naval Warfare Systems Command: “*Student Support Services,*” **\$61,562**

U.S. Department of the Interior United States Geological Survey: “*California Water Science Center and Ecological Research Center - 5 years,*” **\$832,960**

**STUDENT AFFAIRS & CAMPUS DIVERSITY**

**Dr. Erica Aros**

U.S. Department of Education Office of Postsecondary Education: “*Student Support Services Project for Students with Disabilities,*” **\$335,110**

**Dr. James Lange**

Ohio State University: “*Misuse Prevention and Recovery,*” **\$15,362**

**INTERDISCIPLINARY PROGRAMS**

**Dr. Trent Biggs, Dr. Alicia Kinoshita, Dr. Hilary McMillan, Dr. Natalie Mladenov, Dr. Hassan Tavakol-Davani, and Dr. Megan Welsh**

U.S. Department of Commerce National Oceanic and Atmospheric Administration: “*Missing the Main Load? Quantifying Marine Debris Loadings from Storm Drain and River Margin Sources in the San Diego River,*” **\$293,846**

**Dr. Frank Harris, Dr. Marissa Vasquez, and Dr. J. Luke Wood**

Bill and Melinda Gates Foundation: “*The Community College Equity Assessment Lab (CCEAL) Capacity Building,*” **\$149,998**



**Dr. Richard Cripps and Dr. Hala Madanat**

National Cancer Institute: “2/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” **\$750,000**

**Dr. Janet Bowers, Dr. Susan Nickerson, and Dr. Randolph Philipp**

National Science Foundation: “*UPTempo: Upgrading the Path to Mathematics Teaching by Adding Express and MultiPle On-ramps*,” **\$362,518**

**Dr. Erlinde Cornelis and Dr. Saeed Manshadi**

Cleantech San Diego: “*Southern California Energy Innovation Network 2.0*,” **\$776,459**