

Awards Received

August 2021

Total: \$14,885,042

COLLEGE OF ARTS & LETTERS

Office of the Dean

Dr. Christopher Brown and Dr. Mathias Schulze

U.S. Department of Defense National Security Agency: “*SDSU STARTALK Student Program*,” **\$169,964**

The Institute of International Education: “*Language Acquisition Resource Center at San Diego State University*,” **\$456,910**

Geography

Dr. Hilary McMillan

National Science Foundation: “*GP-UP: Collaborative Research: Quantifying Water Storage and Runoff Processes in Coastal California Watersheds Through an Undergraduate Hydrological Field Experience*,” **\$82,050**

Dr. Douglas Stow

National Science Foundation: “*Shrinking Coastlines: Using Historic Data, Site Surveys, and Geographic Information Systems (GIS) to Model Past and Predicted Climate Change Driven Habitat Loss in the Rocky Intertidal*,” **\$46,000**

Sociology

Dr. Sheldon Zhang

The City University of New York-John Jay College: “*San Diego Trafficking Prevention Collective*,” **\$14,989**

COLLEGE OF EDUCATION

Administration, Rehabilitation & Postsecondary Education

Dr. Felisha Herrera Villarreal

National Science Foundation: “*Building Capacity: Undergraduate Science, Technology, Engineering and Mathematics (STEM) Transitions, Experiences, and Mobility*,” **\$249,982**

Dr. Caren Sax

California Department of Developmental Services: “*Exceptional Family Resource Center Plan*,” **\$294,998**

Child & Family Development

Dr. Lisa Linder

San Diego Social Advocates for Youth: “*SAY-HEY Collaboration for Mental Health Services*,” **\$48,305**

Counseling & School Psychology

Dr. Brent Taylor

Price Philanthropies Foundation: *"Price Charities Counseling Program,"* **\$110,251**

Dual Language and English Learner Education

Dr. Cristina Alfaro, Dr. Sera Hernandez, and Dr. Saul Maldonado

U.S. Department of Education Office of Postsecondary Education: *"Developing Effective Bilingual Educators with Resources,"* **\$749,068**

Teacher Education

Dr. Marva Cappello

American Educational Research Association: *"Visual and Multimodal Research in Education Conference: Building Expansive Methodologies for Racial Justice in the Time of Crisis,"* **\$32,655**

Dr. Lisa Lamb

Cajon Valley Union School District: *"Fuerte Elementary,"* **\$5,450**; *"Leadership Cohort,"* **\$34,800**

Dr. Cynthia Park

U.S. Department of Education Office of Postsecondary Education: *"Educational Talent Search,"* **\$563,627**; *"Talent Search Mentoring,"* **\$277,375**; *"Upward Bound – Classic,"* **\$460,922**; *"Upward Bound – STAR,"* **\$366,430**

Dr. Katherine Scieurba

King-Chavez Neighborhood of Schools: *"Literacy on the Rise: San Diego State University (SDSU) Literacy Center Summer Program,"* **\$1,200**

COLLEGE OF ENGINEERING

Aerospace Engineering

Dr. Ping Lu

National Aeronautics and Space Administration: *"Integrated Advanced Entry and Powered Descent Guidance for Human Mars Missions,"* **\$80,000**

Dr. Satchi Venkataraman

California Space Grant Foundation: *"Undergraduate Engagement and Research Participation in Design of Novel Porous Materials and Structures for the ARTEMIS Mission,"* **\$15,000**

Civil & Environmental Engineering

Dr. Alicia Kinoshita

U.S. Department of the Interior Bureau of Land Management: *"Predicting Flooding and Sediment Transport for Urban Riverine Environments Affected by Fire and Vegetation Restoration,"* **\$25,000**

Dr. Matthew Verbyla

California State Water Resources Control Board: *"Alternative Indicators of Human Fecal Contamination,"* **\$103,024**

Electrical & Computer Engineering

Dr. Amirhossein Alimohammad, Dr. Chunting Mi, Dr. Santosh Nagaraj, Dr. Mahasweta Sarkar and Dr. Satish Sharma

National Science Foundation: *“Planning Grant: Engineering Research Center for Next Generations of Wireless Telecommunication (WiTeC),” \$99,712*

Dr. Subrata Bhattacharjee and Fletcher Miller

National Aeronautics and Space Administration: *“Residence Time Driven Flame Spread: The Final Phase,” \$79,174*

Dr. Christopher Paolini

Department of California Highway Patrol: *“Testing Services for Police Traffic Radar and Laser Speed Measuring Devices,” \$249,999*

Mechanical Engineering

Dr. Randall German and Dr. Eugene Olevsky

National Aeronautics and Space Administration: *“Multi-Scale Modeling and Experimentation on Liquid Phase Sintering in Gravity and Microgravity Environments,” \$150,000*

Dr. Yang Yang

National Science Foundation: *“3D Printing of Bioinspired Hierarchical Structures with Controllable Roughness for Stable and Long-term Air Retention,” \$179,402*

COLLEGE OF HEALTH & HUMAN SERVICES

Exercise & Nutritional Science

Dr. Michael Buono

Leidos Inc: *“Validity of Energy Expenditure on a Cycle Ergometer,” \$45,846*

Dr. Lori Tuttle

National Institute of Child Health and Human Development: *“An Innovative Rehabilitation Approach for Women with Anal Incontinence,” \$502,773*

Public Health

Ms. Lisa Asmus and Dr. Corinne McDaniels-Davidson

Multicultural Health Foundation: *“Evaluator for Community Health Worker (CHW) Communication and Outreach Services,” \$5,000*

Dr. Jerel Calzo

Boston College: *“High School Gay-Straight Alliances: Practices that Predict Academic Success,” \$148,828*

Dr. Brandy Lipton

National Institute of Dental and Craniofacial Research: *“Impact of Dental Care Access on Children's Oral Health and Academic Outcomes,” \$150,500*

Social Work

Dr. Silvia Barragan and Dr. Paul Brazzel

Price Philanthropies Foundation: “*Social-Emotional Learning Support Program,*” **\$989,613**

Dr. Adrienne Keeney

Colorado State University: “*High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) Evaluation,*” **\$26,155**

Dr. Eileen Pitpitan

University of California at San Diego: “*San Diego Center for Acquired Immunodeficiency Syndrome (AIDS) Research,*” **\$31,163**

Speech, Language and Hearing Sciences

Dr. Karen Emmorey

National Science Foundation: “*Collaborative Research: The Role of Perceptual and Word Identification Spans in Reading Efficiency: Evidence from Deaf and Hearing Adults,*” **\$462,670**; “*Using a Novel fMRI Localizer to Characterize Functional Variability in the Sign Language Comprehension Network,*” **\$46,000**

Dr. Alyson Mills

National Institute on Deafness/Other Communication Disorders: “*Semantic Learning Deficits in School Age Children with Developmental Language Disorder,*” **\$224,785**

Dr. Giang Pham

National Institute on Deafness/Other Communication Disorders: “*Telepractice with Vietnamese-speaking Children: A Mixed Methods Study of Caregiver Perspectives and Feasibility - Administrative Supplement for Childcare Costs,*” **\$2,500**

Dr. Stephanie Ries-Cornou

National Institute on Deafness/Other Communication Disorders: “*Brain Dynamics of Lexical Retrieval After Left Hemisphere Stroke,*” **\$149,599**

IMPERIAL VALLEY CAMPUS

Dr. Suzanna Fuentes-Ferreiro

Imperial County Department of Social Services: “*Computer and Employment Empowerment Program,*” **\$399,188**

COLLEGE OF SCIENCES

Office of the Dean

Dr. Jose Castillo and Dr. Bing Zhu

The Henry Ford: “*Web Archiving Service,*” **\$12,108**

Biology

Dr. Kevin Burns

National Science Foundation: “*Migratory Genetics and Subspecies Intergradation in the Allen’s Hummingbird (Selasphorus sasin) (Fellowship - S. Hood)*,” **\$46,000**

Dr. Ralph Feuer

California Institute for Regenerative Medicine: “*Bridges to Stem Cell Research Internship Program*,” **\$3,606,500**

Dr. Kevin Hovel

National Science Foundation: “*Indirect Effects of Climate Change on Blue Mussels via Changes to Mussel Parasitism - J. Griffin*,” **\$46,000**

Dr. Linda Kelly

National Science Foundation: “*Identification of Coral Exometabolites for Biomarkers of Stress – Quinlan*,” **\$46,000**

Dr. Rebecca Lewison

National Aeronautics and Space Administration: “*Supporting Climate-ready and Sustainable Fisheries: Using Satellite Data to Conserve and Manage Life in the Ocean and Support Sustainable Fisheries*,” **\$315,757**

Dr. Jeremy Long

National Science Foundation: “*Determining the Driving Factors of the Corynactis Associational Refuge - Fellowship X. Boone*,” **\$46,000**

Mathematics & Statistics

Dr. Joanne Lobato

National Science Foundation: “*Developing and Investigating Unscripted Dialogic Mathematics Videos*,” **\$392,226**

Dr. Osvaldo Soto

College Futures Foundation: “*Discrete Math Project Collaborative: Developing a Plan for Sustainability*,” **\$100,000**

Physics

Dr. Calvin Johnson

University of Wisconsin-Madison: “*Quantum Computing for Nuclear Matrix Elements for Tests of Fundamental Symmetries*,” **\$71,671**

Psychology

Dr. Aaron Blashill

National Science Foundation: “*Body Image Threat Responsivity in Gay and Heterosexual Men: The Role of Physiological Reactivity - Fellowship A. Convertino*,” **\$46,000**

Dr. Inna Fishman

Autism Speaks: “*Longitudinal Differentiation and Organization of Auditory Cortex in Young Children with Autism Spectrum Disorder (ASD) - B. Chen*,” **\$40,000**

Dr. Vanessa Malcarne

National Science Foundation: “*Emotion Regulation and Weight Stigma: An Experimental Test of the Effect of Reappraisal and Suppression on Negative Emotion and Cortisol Reactivity,*” **\$46,000**

Dr. Sarah Mattson

National Institute on Alcohol Abuse and Alcoholism: “*A Multisite Neurobehavioral Assessment of Fetal Alcohol Spectrum Disorders,*” **\$446,220**

Dr. Miguel Villodas

National Science Foundation: “*In Search of Mechanisms Underlying Parental Maltreatment History and Parenting (Fellowship - K. Hong),*” **\$46,000**; “*Neurocognitive and Physiological Mechanisms in the Intergenerational Impact of Maltreatment- N. Morelli,*” **\$46,000**

Dr. Jillian Wiggins

National Institute of Mental Health: “*Neural Mechanisms of Risk and Resilience in Early Childhood Irritability,*” **\$704,256**

FOWLER COLLEGE OF BUSINESS

Dr. David Goldberg

U.S. Department of Defense U.S. Navy: “*Predictive Maintenance of Naval Equipment Using Text Mining,*” **\$74,640**

Mr. John McMillan

U.S. Department of Energy National Renewable Energy Laboratory: “*Connector - American-Made Network,*” **\$5,000**

INTERDISCIPLINARY PROGRAMS

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**

Ms. Pamela Jackson and Dr. Elizabeth Pollard

Institute of Museum and Library Sciences: “*Building Capacity for Research and Teaching with Comics and Graphic Art,*” **\$149,305**