

AWARD TOTAL: \$45,646,615



Dr. Jeffrey T. Roberts, Dean

Office of the Dean



Dr. Catherine Atkins
Total: \$93,458

University of California at San Diego: "San Diego Institutional Research and Academic Career Development Award (IRACDA): Professors for the Future," **\$93,458**



Dr. Catherine Atkins and Dr. Stanley Maloy
Total: \$26

National Institute of General Medical Sciences: "Maximizing Access to Research Careers," **\$26**



Dr. Jose Castillo and Dr. Karen Campbell
Total: \$243,170

California Department of Conservation: "Surface Expression Risk Assessment Phase II," **\$243,170**



Dr. Eric Frost and Dr. Lance Larson
Total: \$70,000

University of Nebraska Omaha: "Augmented Reality with Real-Time Artificial Intelligence for Border Security & Department of Homeland Security (DHS) Education and Workforce Development," **\$70,000**



Dr. Estralita Martin
Total: \$45,250

California State University Sacramento University Enterprises Inc.: "California State University Louis Stokes Science, Technology, Engineering, and Mathematics (STEM) Pathways and Research Alliance (CSU-LSAMP) National Science Foundation (NSF)," **\$15,000**; and "California State University Louis Stokes Science, Technology, Engineering, and Mathematics (STEM) Pathways and Research Alliance (CSU-LSAMP) Senior Alliance," **\$30,250**



Dr. Jeffrey Roberts
Total: \$42,500

Government of Georgia: "Graduate Award for SDSU-Georgia Chemistry Program," **\$42,500**

Astronomy



Dr. Jerome Orosz
Total: \$34,797

Planetary Science Institute (PSI): "Detection and Characterization of Circumbinary Planets Around TESS Eclipsing Binaries," **\$34,797**



Dr. William Welsh and Dr. Jerome Orosz
Total: \$315,865

SETI Institute: "Comprehensive Analysis of Period Changes in Eclipsing Binaries as a Probe of Stellar Astrophysics," **\$291,866**; and "TESS' Royal Road to Stellar Astrophysics - Uniform Analysis of Hundreds of Thousands of Eclipsing Binaries," **\$23,999**

Biology



Dr. Nicholas Barber
Total: \$13,376

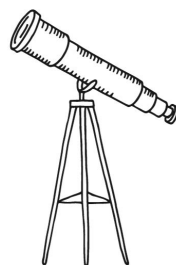
National Science Foundation: "Rules of Life: Impacts of Plants and Communities on Soil Microbial Composition and Function Across Phylogenetic Scales," **\$7,376**

The Nature Conservancy: "Ecological Confluences Suppressing Midwestern Oak Savanna Regeneration: Land Use History and Invasive Species (Fellowship - E. Becker)," **\$6,000**



Dr. Sanford Bernstein
Total: \$670,676

National Institute of General Medical Sciences: "Administrative Diversity Supplement to Genetics and Molecular Biology of Striated Muscle Myosin," **\$129,481**; and "Genetics and Molecular Biology of Striated Muscle Myosin (MERIT Extension Application)," **\$541,195**





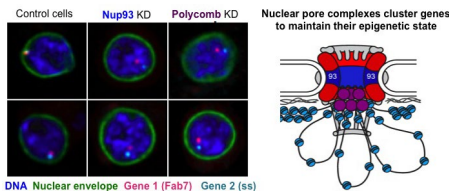
Dr. Kevin Burns
Total: \$27,600

National Science Foundation: "Migratory Genetics and Subspecies Intergradation in the Allen's Hummingbird (*Selasphorus Sasin*) (Fellowship - S. Hood)," **\$27,600**



Dr. Maya Capelson
Total: \$325,532

National Institute of General Medical Sciences: "Nuclear Pore Complexes as Scaffolds for Genome Architecture and Epigenetic Maintenance," **\$325,532**



The left panel is images of cells with marked DNA (blue), nuclear envelope (green), and 2 genes (cyan and pink). The right panel is a model of how nuclear pore complexes in the nuclear envelope help cluster genes together to keep them in a silent state as part of epigenetic silencing by Polycomb proteins. Photo courtesy of Maya Capelson.



Dr. Ted Cranford
Total: \$169,706

U.S. Department of Defense Office of Naval Research: "Investigating Bone-conduction as a Pathway for Mysticete Hearing," **\$169,706**



Dr. Richard Cripps
Total: \$32,491

National Institute of General Medical Sciences: "Genetic Regulation of Muscle Fiber Diversity," **\$32,491**



Dr. Marshal Hedin
Total: \$1,392

The Society of Systematic Biologists: "The Impact of Divergence and Reticulation on Male Courtship Traits Within the *Habronattus Tarsalis* Species Group," **\$1,392**



Habronattus americanus, from the mountains of southern California. Photo courtesy of Marshal Hedin.



Dr. Marshal Hedin and Dr. Jeet Sukumaran
Total: \$118,374

National Science Foundation: "Collaborative Research: Phylogenomics, Spatial Phylogenetics and Conservation Prioritization in Trapdoor Spiders (and kin) of the California Floristic Province," **\$118,374**



Dr. Brian Hentschel, Dr. Luke Miller, and Dr. Gena Sbeglia
Total: \$75,000

California Sea Grant College Program: "A Near-peer Mentoring Cascade to Promote Inclusive Research Training at the Coastal and Marine Institute Laboratory," **\$75,000**



Dr. Carrie House
Total: \$422,265

Burnham Institute for Medical Research: "Role of TWEAK in the Development of Ovarian Cancer Stem-like Cells - L. Santiago," **\$54,240**

Dr. Carrie House cont.
National Cancer Institute: "Alternative NF-kB Activation in Post-chemotherapy Setting to Elucidate Novel Mechanisms of Ovarian Cancer Relapse," **\$368,025**



Dr. Kevin Hovel
Total: \$521,796

National Science Foundation: "Collaborative Research: Modifiers of Ocean Acidification Effects on Top-down Control in Eelgrass Habitat," **\$521,796**



Dr. Megan Jennings and Dr. Rebecca Lewison
Total: \$242,588

U.S. Department of Commerce National Oceanic and Atmospheric Administration: "An Integrated Framework for Drought Response in Southern California's Natural Landscapes," **\$208,513**

California Department of Fish and Wildlife: "Evaluating Predation Risk of Ungulates in a Southern California Desert Landscape Experiencing Drought," **\$34,075**



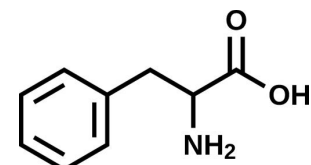
Dr. Marina Kalyuzhnaya
Total: \$14,000

Connectomix Bio: "Waste-to-lipids," **\$14,000**



Dr. Scott Kelley
Total: \$97,822

University of California at San Diego: "Investigating the Role of Puberty in the Sex-Specific Maturation of the Gut Microbiome- L. Sisk-Hackworth," **\$70,046**; and "Role of the Gut Microbiome in Polycystic Ovary Syndrome," **\$27,776**





Dr. Linda Kelly
Total: \$27,600

National Science Foundation: "Identification of Coral Exometabolites for Biomarkers of Stress – Quinlan," **\$27,600**



Dr. Rebecca Lewison
Total: \$15,000

Safari Club International: "How Do Intrinsic and Extrinsic Factors Affect Movement Patterns, Mortality Risk, and Connectivity of Translocated Sonoran Pronghorn?," **\$7,500**

The Living Desert: "How Do Intrinsic and Extrinsic Factors Affect Movement Patterns, Mortality Risk, and Connectivity of Translocated Sonoran Pronghorn?," **\$7,500**



Dr. Jeremy Long
Total: \$146,053

U.S. Department of Defense Naval Facilities Engineering Command: "Evaluation of Abalone Microhabitat Associations in Support of the Black Abalone on Naval Auxiliary Landing Field San Clemente, CA," **\$146,053**



Dr. Robert Luallen
Total: \$376,250

National Institute of General Medical Sciences: "Understanding the Mechanisms of Intracellular Filamentation by Bacteria," **\$376,250**



Dr. Kathleen McGuire
Total: \$50,000

Vaxiion: "Efficacy, Immune Mechanism(s), and Pharmacokinetic/Biodistribution Properties of Vaxiion's Investigational Minicell Product Intended for Use in Cancer," **\$50,000**



Dr. Luke Miller
Total: \$199,858

University of Michigan: "Habitat Heartbeats: Incorporating Bivalve Biosensors into Estuary Monitoring Infrastructure to Inform Water Quality Monitoring and Management Decisions," **\$199,858**



Dr. Teresa Monkkonen
Total: \$50,000

University of California at San Diego: "SDSU-UCSD MCC Recruitment via FUERTE Grant," **\$50,000**



Dr. Walter Oechel
Total: \$160,000

City College of New York: "National Oceanic and Atmospheric Administration (NOAA) Cooperative Science Center for Earth System Sciences and Remote Sensing Technologies-II," **\$160,000**



Dr. Dwayne Roach
Total: \$425,587

CFD Research: "A Microfluidic Impedance-Based Bacteriophage Capture and Antibiofilm Analyzer," **\$188,919**; and "Flexible Microfluidic Process Technology for Biopharmaceutical Purification of Bacteriophages," **\$173,318**

Cystic Fibrosis Foundation: "Immunological Safety Evaluation of Bacteriophage Drug Candidates - K. Champagne-Jorgensen," **\$63,350**



Dr. Forest Rohwer
Total: \$25,900

The Gordon and Betty Moore Foundation: "Virision Meeting Support," **\$25,900**



Dr. Anca Segall
Total: \$216,817

Rady Children's Hospital San Diego: "Phage Therapy of Multi-Drug Resistant Infections in Cystic Fibrosis (CF)," **\$17,987**

Washington University in St. Louis: "Novel Experimental and Computational Resources for Virome Analysis in Inflammatory Bowel Disease," **\$198,830**



Dr. Arun Sethuraman
Total: \$360,580

California State University San Marcos: "The Architecture of Missing and Archaic Variation in Human Population Genomic Data," **\$45,694**

National Science Foundation: "CAREER: Developing New Computational Methods to Address the Missing Data Problem in Population Genomics," **\$49,927**

U.S. Department of Agriculture: "The Farm Classroom - A Comprehensive Approach Incorporating Ecology, Virology, and Population Genomics in Hops (*Humulus Lupulus* L.) Biology," **\$264,959**



Dr. Nicholas Shikuma
Total: \$1,170,201

National Institute of General Medical Sciences: "Examining a Unique Contractile Injection System Mediating Host-Microbe Interactions," **\$737,148**

U.S. Department of Defense Office of Naval Research: "Gut Bacteria Injection Systems Mediating Human-Microbe Interactions," **\$206,724**

National Science Foundation: "CAREER: Determining How Bacteria Stimulate Animal Metamorphosis," **\$226,329**



Dr. Michael Simpson
Total: \$5,000

California Institute for Biodiversity: "Rescuing the Collections of Richard Swinney, Plants of the San Gabriel Mountains," **\$5,000**



Dr. Mark Sussman
Total: \$129,338

California Tobacco-Related Disease Research Program: "Gender Differences in Response to Nicotine - Role of Akt / Pim-1 Signaling Axis," **\$129,338**



Dr. Elizabeth Waters
Total: \$578,440

National Science Foundation: "Collaborative Proposal: Defining Functions of an Essential, Conserved Protein that Uniquely Links the Mitochondrial Matrix with the Cytoplasm," **\$578,440**



Dr. Xiaofeng Xu
Total: \$164,899

National Science Foundation: "Collaborative Research: Understanding Biophysical Drivers of the CH4 Source-sink Transition in Northern Forests," **\$74,898**

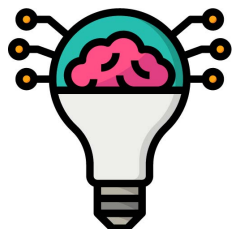
UT-Battelle LLC: "Data Model Integration for Methane (CH4) at the S1 Bog and CH4 Module Incorporation into the Energy Exascale Earth System Model," **\$90,001**



Dr. Ricardo Zayas
Total: \$599,316

Burnham Institute for Medical Research: "A BRN3/POU4 Homolog is Required for Mechanosensory Neuron Regeneration in Planarians - M. Auwal," **\$164,404**

National Institute of General Medical Sciences: "Molecular Mechanisms Underlying Sensory Neuron Regeneration and Function," **\$434,912**

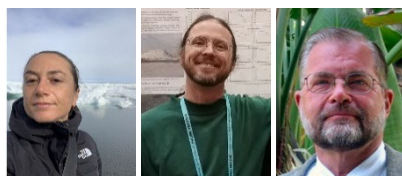


Mr. Thomas Zink
Total: \$591,559

U.S. Department of Defense Army Corps of Engineers: "San Clemente Island Botany Program Implementation," **\$506,547**

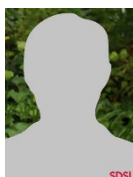
U.S. Department of Defense U.S. Navy: "Dune Restoration at Naval Base Coronado (NBC) and Pollinator Study at Naval Auxiliary Landing Field (NALF) San Clemente Island (SCI)," **\$27,280**; and "Naval Base Coronado Rare Plant Surveys," **\$53,732**

University of San Diego: "Chronolog at Alvarado Creek Restoration Site," **\$4,000**



Dr. Donatella Zona, Dr. David Lipson, Dr. Walter Oechel, and Dr. Xiaofeng Xu
Total: \$299,286

National Science Foundation: "Towards Filling a Major Gap in the Greenhouse Gas Balance from the Arctic: Defining the Importance of N2O Emission in the North Slope of Alaska," **\$299,286**



Dr. Nancy Zuniga Pena
Total: \$502,991

National Science Foundation: "Model-Driven Discovery and Characterization of the Metabolism of Pigment-Producing Microalgae at Genome Scale," **\$502,991**

Chemistry and Biochemistry



Dr. Rees Garmann
Total: \$248,389

National Institute of General Medical Sciences: "Mapping the Assembly Pathways for Viral Capsids by Direct Single-particle Measurements," **\$248,389**



Dr. Douglas Grotjahn
Total: \$191,734

U.S. Department of Energy Office of Science: "Improving and Measuring Water Oxidation Catalyst Viability," **\$191,734**



Dr. Jing Gu
Total: \$268,769

National Science Foundation: "Collaborative Research: Structure, Dynamics, and Reaction Mechanism of Supported Single Atom for Photocatalytic CO2 Reduction," **\$268,769**

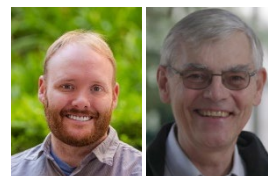


Chris conducts an X-ray photoelectron spectroscopy experiment, which tells us the chemical environments of single atom catalysts.
Photo courtesy of Jing Gu.



Dr. Jeffrey Gustafson
Total: \$556,583

National Science Foundation: "The Catalyst-controlled Regioselective Functionalization of Aromatics," **\$556,583**



Dr. Jeffrey Gustafson and Dr. Douglas Grotjahn
Total: \$125,810

University of Utah: "National Science Foundation (NSF) Center for Synthetic Organic Electrochemistry," **\$125,810**



Dr. Christopher Harrison
Total: \$55,000

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



Dr. Gregory Holland
Total: \$562,545

U.S. Department of Defense U.S. Army: "Developing Aciniform Spider Silk Biomaterials with Unique Structural Transitions and Properties," \$89,855

National Science Foundation: "Elucidating Bio-Nano Interface Atomic Structure and Peptide Directed Nanoparticle Formation," \$472,690



Dr. Tom Huxford
Total: \$90,791

California Metabolic Research Foundation: "Enzyme Regulation, Lipid, and Carbohydrate Metabolism," \$90,791



Dr. Christal Sohl
Total: \$440,488

National Institute of General Medical Sciences: "Isocitrate Dehydrogenase (IDH) Mutations as Drivers of Organelle Stress and Dysfunction," \$376,250; and "Maximizing Access to Research Careers (MARC) at San Diego State University," \$64,238



Dr. Manal Swairjo
Total: \$536,638

National Institute of General Medical Sciences: "RNA Modification: Mechanism and Links to Other Metabolic Pathways," \$410,638

Dr. Manal Swairjo cont.
Portland State University: "7-deazaguanines in DNA: Mechanism and Structure of Complex Genome Modification," \$126,000



Dr. William Tong
Total: \$200,000

G-ENONE Energy Company, Ltd.: "Development of Recovering/Producing Process for Lithium Resources from U.S.A. Brine," \$200,000



Dr. Yong Yan
Total: \$752,500

National Institute of General Medical Sciences: "Light-induced Atroposelective N-Heterocyclization via Chiral Perovskite Nanocrystals," \$752,500



Dr. Yong Yan and Dr. Jing Gu
Total: \$110,380

Alliance for Sustainable Energy LLC: "Center for Hybrid Organic-Inorganic Semiconductors for Energy (CHOISE)," \$110,380

Computer Science



Dr. Leland Beck
Total: \$20,000

National Science Foundation: "Assessing Student Learning in CSI: Predictors of Success in Subsequent Courses (Supplement)," \$20,000



Dr. Hyunjong Choi
Total: \$157,868

Hyundai Motor Company: "Development of Application Software (ASW) Architecture and Analysis Framework for Real-Time VCU Safety Functions," \$157,868



Dr. Marie Roch
Total: \$490,300

U.S. Department of Defense U.S. Navy: "Capability Enhancements for Tethys," \$107,320

U.S. Department of the Interior Bureau of Ocean Energy Management: "PAMGuard Integration with the Tethys Database Workbench," \$382,980

Earth and Environmental Sciences



Dr. Barry Hanan
Total: \$58,357

Pennsylvania State University: "Genesis of Harrat Basalts in Western Saudi Arabia," \$58,357



Dr. Shuo Ma
Total: \$375,858

National Science Foundation: "Fully Coupled Modeling of Dynamic Rupture, Wedge Plasticity, and Tsunami for Great (Mw>=8.0) Earthquakes in the Japan Trench," \$355,358

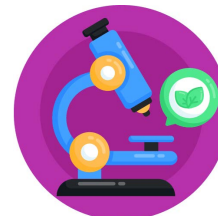
University of Southern California: "Generation of Broadband Ground Motion from Dynamic Rupture Simulations: A Group Modeling Approach towards Better Characterizing Seismic Hazard for Engineering Applications," \$20,500



Dr. Jillian Maloney
Total: \$89,280

Oregon State University: "Archaeological Investigation of Washington Continental Shelf," \$14,825

University of Nevada Desert Research Institute: "Archaeological Research in Willamette Valley," \$74,455





Dr. Kim Olsen
Total: \$100,866

California Department of Conservation: "Calibration of the Near-surface Seismic Structure in the Southern California Earthquake Center (SCEC) Community Velocity Model Version S," **\$37,259**

U.S. Department of the Interior United States Geological Survey: "3D Modeling of Topographic Effects in the Anchorage/Cook Inlet Area," **\$41,769**

University of Southern California: "Optimizing Simulation Parameters for Southern California Earthquake Center (SCEC) Broadband Platform (BBP) SDSU Module Based on SEAS GOF," **\$21,838**



Dr. Stephen Schellenberg
Total: \$9,364

California State University San Francisco: "Faculty-Led Curricular Design for Student Achievement in the California State University (CSU)," **\$9,364**

Mathematics and Statistics



Dr. Christopher Curtis
Total: \$33,853

U.S. Department of Defense Office of Naval Research: "Mathematical Data Science in the Lonosphere," **\$33,853**



Dr. Uduak George
Total: \$268,468

National Science Foundation: "CAREER: Connecting Biology and Mechanics through a Multiscale Modeling of Pubertal Mammary Gland Development," **\$268,468**



Dr. Jerome Gilles
Total: \$92,676

U.S. Department of Defense Air Force Office of Scientific Research: "Empirical Wavelets, Deep Learning for Image Restoration. Application to Atmospheric Turbulence Mitigation," **\$92,676**



Dr. Antonio Palacios
Total: \$132,362

U.S. Department of Defense Naval Information Warfare Center (NIWC): "Synchronization of Coupled Nonlinear Oscillators and Signal Reconstruction," **\$132,362**



Dr. Mary Pilgrim
Total: \$137,292

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. Daniel Reinholz
Total: \$386,492

National Science Foundation: "CAREER: Data Analytics for Equity: Supporting Science, Technology, Engineering and Mathematics (STEM) Faculty to Address Implicit Bias in the Classroom," **\$361,155**

University of California at Los Angeles: "Using EQUIP to Support CA Multi-tiered Systems of Support (MTSS) Pilot Coaches in Classroom-level Racial Equity Work," **\$25,337**



Dr. Henry Scharf and Dr. Kyle Hasenstab
Total: \$95,133

University of California at Santa Barbara: "PALiSaDS: Pacific Alliance for Low-Income Inclusion in Statistics & Data Science," **\$95,133**



Dr. Osvaldo Soto
Total: \$135,000

California State University Office of the Chancellor: "Continuing Website Development for the Discrete Math Project Collaborative," **\$25,000**; and "Discrete Math Project Collaborative 2023 Summer Institute for Teachers," **\$50,000**

Jewish Community Foundation San Diego: "Supporting Discrete Math Teacher Leadership and Professional Development," **\$60,000**



Dr. Xin Wang
Total: \$15,414

University of Virginia: "Spatial Heterogeneity Models in Analyzing Impacts of Rural Broadband and Broadband Programs," **\$15,414**



Dr. William Zahner
Total: \$207,556

Sweetwater Union High School District: "Mathematics Professional Development for SEI Teachers," **\$41,730**

University of Rochester Warner School of Business: "Creating a Model for Sustainable Ambitious Mathematics Programs in High-Need Settings: A Researcher-Practitioner Collaboration AWD00003651," **\$165,826**

Physics



Dr. Sanjay Behura
Total: \$672,076

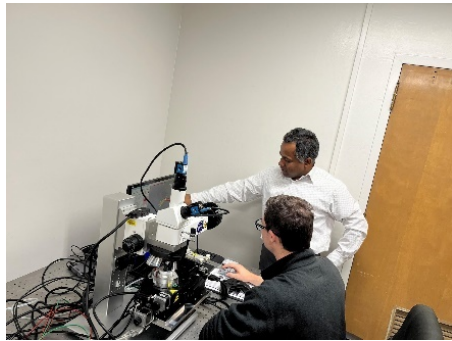
Montana State University: "2D Quantum Photonics Alliance - MonArk Quantum Foundry," **\$350,000**

National Science Foundation: "I-Corps submission: Developing a Face Mask Coated with Metal Oxide Nanostructures to Reduce the Spread of COVID and Other Airborne Diseases," **\$50,000**

The Ohio State University: "Direct Growth of h-BN on SiN for Waveguide Coupled Quantum Light Emission," **\$200,000**

Dr. Sanjay Behura cont.

University of Arkansas at Pine Bluff: "Temperature-Dependent Topological Moiré Excitons in Twisted Transition Metal Dichalcogenides for Quantum Photonics," **\$72,076**



Dr. Behura and graduate student Nicholas Schottle work on creating quantum moiré superlattices using a robotic heterostructure transfer system.
Photo credit: Behura Research Group.



Dr. Calvin Johnson
Total: \$231,497

U.S. Department of Energy Lawrence Livermore National Laboratory: "New Predictive Capability for Reaction and Decay Properties of Fission," **\$121,000**

University of Wisconsin-Madison: "Quantum Computing for Nuclear Matrix Elements for Tests of Fundamental Symmetries," **\$110,497**



Dr. Kenneth Nollett and Dr. Calvin Johnson
Total: \$150,000

National Nuclear Security Administration: "Scattering and Reactions in a Shell Model Framework," **\$150,000**



Dr. Usha Sinha
Total: \$59,185

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," **\$59,185**

Psychology



Dr. Elva Arredondo
Total: \$1,493,458

Baylor School of Medicine: "Efficacy Trial of a Program for Weight Loss for Hispanic Fathers and Increased Physical Activity for their Children: Healthy Dads, Healthy Kids," **\$17,669**

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**; "Capacity Development among Academic Trainees to Develop Sustainment Strategies in Community Settings," **\$340,574**; "Enhancing Capacity in Faith-based Organizations to Implement and Sustain Multilevel Innovations to Improve Physical Activity," **\$777,147**

Kaiser Permanente Medical Center: "Community Partnership for Telehealth Solutions to Counter Misinformation and Achieve Equity (MINT)," **\$127,160**

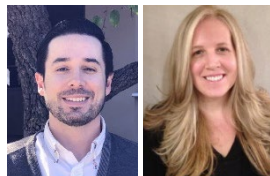
The San Diego Foundation: "An In-person Pilot of a Connigo: A Mother-daughter Health Program for Preadolescent Latinas," **\$22,967**

University of California at San Diego: "Improving Family Functioning in Obesity Treatment for Mexican American Women," **\$31,132**



Dr. Aaron Blashill
Total: \$27,600

National Science Foundation: "Body Image Threat Responsivity in Gay and Heterosexual Men: The Role of Physiological Reactivity - Fellowship A. Convertino," **\$27,600**



Dr. Aaron Blashill and Dr. Kristen Wells
Total: \$743,131

National Institute of Mental Health: "Suicide Prevention for Sexual and Gender Minority Youth - R33 Phase," **\$743,131**



Dr. Ruth Carper
Total: \$702,260

National Institute of Mental Health: "The Autistic Brain Over 45: The Anatomic, Functional, and Cognitive Phenotype," **\$674,660**

National Science Foundation: "Identifying Neurocognitive Subtypes of Executive Function Across Autism Spectrum Disorder (ASD) and Attention-deficit Hyperactivity Disorder (ADHD) - M. Cordova," **\$27,600**



Dr. Theresa Cronan
Total: \$405,000

National Institute on Aging: "SDSU Advancing Diversity in Aging Research (ADAR) Program," **\$405,000**



Dr. Linda Gallo
Total: \$2,579,586

Albert Einstein College of Medicine: "New York Regional Center for Diabetes Translation Research," **\$63,783**

Children's Mercy Kansas City: "Characterization of Sedentary Patterns and Cardiovascular Disease Risk Markers in Hispanics/Latinos," **\$86,842**

Scripps Research Institute: "Scripps Clinical and Translational Science Hub," **\$134,804**

University of California at San Diego: "Identifying Digital Phenotypes of Risk for Alzheimer's Disease and Related Dementias among Hispanics/Latinos," **\$82,501**; and "Study of Latinos - Investigation of Neurocognitive Aging-Alzheimer's Disease," **\$1,168,353**

University of Illinois at Chicago: "Hispanic Community Health Study/Study of Latinos (HCHS/SOL) Ancillary Study (AS) on Coronary Artery Calcium and its Association with Protective/Risk Factors and Epigenetic Patterns," **\$313,949**

University of Miami: "Neighborhood Greenness and Cardiometabolic Health among Hispanics in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) Study," **\$27,332**; and "Sleep in Neurocognitive Aging and Alzheimer's Research (SANAR)," **\$594,521**



Dr. Linda Gallo cont.

University of North Carolina-Chapel Hill: "Cardiovascular Health of Sexual and Gender Minorities in the Hispanic Community Health Study/Study of Latinos (SGM HCHS/SOL)," **\$24,103**

University of Washington: "SOLAir: Environmental Factors and Diabetes Development in Latinos," **\$83,398**



Dr. Janice Hau
Total: \$188,125

National Institute of Mental Health: "Mapping Lifespan Trajectories of White Matter in Autism and Improving Reproducibility through Shared Diffusion Magnetic Resonance Imaging (MRI) Data," **\$188,125**



Dr. Jonathan Helm
Total: \$12,544

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," **\$12,544**



Dr. Keith Horvath
Total: \$1,021,388

National Institute of Mental Health: "eSTEP: An Integrated mHealth Intervention to Engage High-risk Individuals Along the Full PrEP Care Continuum," **\$472,797**

Emory University: "Understanding Human Immunodeficiency Virus (HIV)/Sexually Transmitted Disease (STD) Risk & Enhancing PrEP Implementation Messaging in a Diverse Community-Based Sample of Gay, Bisexual, & Other Men Who Have Sex with Men in a Transformational Era," **\$279,325**

Florida State University: "Adolescent Medicine Trials Network for Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Syndrome (AIDS), Interventions (ATN) Scientific Leadership Center - SLG and LYPS," **\$48,344**

University of California at San Francisco: "Developing a U.S. National Cohort to Improve Virologic Suppression among Stimulant-using Men Living with Human Immunodeficiency Virus (HIV)," **\$12,442**

Dr. Keith Horvath cont.

University of Miami: "Supporting Treatment Adherence for Resilience and Thriving (START)," **\$208,480**



Dr. Tristen Inagaki
Total: \$1,229,107

National Institute on Drug Abuse: "Understanding How Opioids Affect the Experiential and Neural Signatures of Feelings of Social Connection with Close Others," **\$610,147**

National Science Foundation: "The Cognitive Mechanisms of Support-Giving," **\$573,810**

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



Dr. Vanessa Malcarne
Total: \$27,600

National Science Foundation: "Emotion Regulation and Weight Stigma: An Experimental Test of the Effect of Reappraisal and Suppression on Negative Emotion and Cortisol Reactivity," **\$27,600**



Dr. Georg Matt
Total: \$923,444

California Tobacco-Related Disease Research Program: "Engaging Communities in the Tobacco Endgame: Mapping Tobacco Product Litter in the Neighborhood," **\$375,173**

Cincinnati Children's Hospital: "Assessment, Detection, and Validation of Clinical Associations of Thirdhand Smoke Exposure," **\$166,582**

University of California at San Francisco: "Collaborative Consortium on Thirdhand Smoke Core: Dissemination, Outreach, and Resource Center," **\$381,689**



Dr. Sarah Mattson
Total: \$944,293

National Institute on Alcohol Abuse and Alcoholism: "Assessment of Fetal Alcohol Spectrum Disorders (FASD) Using Novel Web-Based Tools," **\$889,980**; and "Assessment of Fetal Alcohol Spectrum Disorders (FASD) Using Novel Web-Based Tools - Diversity Supplement C. Estrada," **\$54,313**



Dr. Jessica McCurley
Total: \$206,359

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," **\$191,344**

Massachusetts General Hospital: "Impact of Medicaid Accountable Care Organizations (ACO) Funding for Health-related Social Needs on Dietary Quality and Health," **\$15,015**



Dr. Ralph Axel Mueller
Total: \$566,685

National Institute of Mental Health: "Auditory Precursors of Language Delay in Toddlers with Autism Spectrum Disorders," **\$566,685**



Dr. Claire Murphy
Total: \$576,019

National Institute on Aging: "Olfactory and Visual Dysfunction as Potential Predictors of Preclinical Alzheimer's Disease," **\$576,019**



Dr. Edward Riley
Total: \$1,589,783

National Institute on Alcohol Abuse and Alcoholism: "Administrative Resource of the Collaborative Initiative on Fetal Alcohol Spectrum Disorders (CIFASD)," **\$1,054,107**

Dr. Edward Riley cont.

“Brain Maturation in Adults with Fetal Alcohol Spectrum Disorder (FASD),” **\$336,957**;
“Smartphone-based Application to Assist in the Screening/Diagnosis of Fetal Alcohol Spectrum Disorder (FASD),” **\$178,719**

University of California at San Diego:
“Administrative Support for National Institute on Alcohol Abuse and Alcoholism (NIAAA) T32 Alcohol Research Training Grant,” **\$20,000**



Dr. Scott Roesch
Total: \$68,180

University of California at San Diego: “CRC-HUB-SPOKE: A ColoRectal Cancer Screening Hub for Southern California Community Health Centers,” **\$68,180**



Dr. Scott Roesch and Dr. Jonathan Helm
Total: \$42,149

University of California at San Diego: “Center for Team Effectiveness to Accelerate Evidence Based Practice (EBP) Implementation in Children's Mental Health Services,” **\$42,149**



Dr. Ariana Stickel
Total: \$153,990

National Institute on Aging: “Risk Factors for Alzheimer's Disease among Latinos: Relationships Between Cardiovascular Disease Risk, Acculturation, Small Vessel Disease, and Alzheimer's Biomarkers,” **\$153,990**



Dr. Gregory Talavera
Total: \$4,084,473

Albert Einstein College of Medicine: “Epidemiology of the Gut Microbiome, Prediabetes, and Diabetes in Latinos,” **\$61,046**; “Peripheral Artery Disease Study of SOL (SOL PASOS). An Ancillary Study of the Hispanic Community Health Study/Study of Latinos (HCHS/SOL),” **\$276,201**; “Vascular Determinants of Stage B HF among Hispanics: The Role of the Heart-Vascular Interaction (Heart-Vascular Study),” **\$136,955**

Columbia University: “Collaborative Cohort of Cohorts for COVID Research (C4R),” **\$195,859**

Dr. Gregory Talavera cont.

National, Heart, Lung, and Blood Institute:
“Hispanic Community Health Study – Study of Latinos – Field Center – Visit 3 Basic Exam,” **\$1,304,794**; and “Hispanic Community Health Study/Study of Latinos (HCHS/SOL),” **\$1,229,024**

Northern California Institute for Research and Education: “Non-Alcoholic Fatty Liver Disease and Cardiovascular Disease in Hispanics/Latinos,” **\$277,495**

University of California at San Diego: “Activity Levels, Myosteatosis, and Insulin Resistance/Diabetes Mellitus View Text,” **\$102,695**; and “UCSD Alzheimer's Disease Research Centers P30,” **\$30,100**

University of Minnesota: “Cognitive Aging, Brain Morphology, and Arrhythmias in Hispanics/Latinos: Implications for Prevention and Management of Alzheimer's Disease-Related Dementias,” **\$137,625**

University of North Carolina-Chapel Hill: “Arterial Stiffness, Brain Morphology, Cognition, and Dementia in U.S. Hispanics/Latinos,” **\$48,837**; and “Preconceptional Health of Latinas and its Association with Child Adiposity,” **\$22,642**

University of Washington: “The Impact of Lifestyle and Genetic Factors on Mammographic Density in a Cohort of Hispanic Women,” **\$261,200**



Dr. Gregory Talavera and Dr. Linda Gallo
Total: \$611,528

National Center on Minority Health and Health Disparities: “Latinos Understanding the Need for Adherence in Diabetes Using Care Coordination, Integrated Medical and Behavioral Care and E-Health (LUNA-E),” **\$611,528**



Dr. Jennifer Thomas
Total: \$396,782

National Institute on Alcohol Abuse and Alcoholism: “Fetal Alcohol Effects and Choline Intervention,” **\$371,857**; and “Fetal Alcohol Spectrum Disorders Study Group Annual Meeting,” **\$24,925**



Dr. Dustin Thoman, Dr. Christal Sohl, and Dr. Miguel Villodas
Total: \$391,643

National Science Foundation: “Broadening Participation and the Culture of Undergraduate Research Experiences,” **\$391,643**



Dr. Dustin Thoman and Dr. Allison Vaughn
Total: \$175,000

California State University Office of the Chancellor: “Developing Instructional Cultures that Support Student Motivation in Math,” **\$175,000**



Dr. Arjan Van Der Star
Total: \$547,142

National Institute of Mental Health: “The Mental Health Consequences of Life Course-Varying Exposure to Structural Sexual Minority Stigma: Advancing Causal Inference Using Longitudinal Models Moderated by Sexual Orientation,” **\$75,250**; and “The Socioecology of Sexual Minority Stigma: Data Harmonization to Address Confounding Bias and Investigate Cross-Level Mental Health Effects,” **\$471,892**



Dr. Miguel Villodas
Total: \$362,820

American Psychological Foundation: “Examining Associations among Child Maltreatment Histories, Physiology Patterns to Parental Stress, and Parenting Behaviors,” **\$13,150**

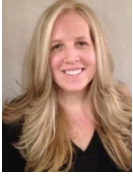
National Science Foundation: “In Search of Mechanisms Underlying Parental Maltreatment History and Parenting (Fellowship - K. Hong),” **\$27,600**; and “Neurocognitive and Physiological Mechanisms in the Intergenerational Impact of Maltreatment (Fellowship - N. Morelli),” **\$27,600**

University of California at San Diego: “Enhancing Team Effectiveness for a Collaborative School-based Intervention for Attention-deficit Hyperactivity Disorder (ADHD),” **\$294,470**



Dr. Vanessa Robin Weersing
Total: \$29,634

Children's Hospital Los Angeles: “A Sequential Multiple Assignment Randomized (SMAR) Trial Assessing Medication and Cognitive Behavioral Therapy (CBT) Sequencing Strategies in the Treatment of Predominantly Ethnic Minority, Underserved Youth with Anxiety Disorders,” **\$29,634**



Dr. Kristen Wells

Total: \$129,389

Moffitt Cancer Center: "A Stepped-Care Psychosocial Intervention for Brain Tumor Family Caregivers," **\$14,735**

University of Arizona: "Ethnicity and Lung Cancer Survival: A Test of the Hispanic Sociocultural Hypothesis," **\$6,684**

University of Virginia: "SCH:INT: Collaborative Research: Multiscale Modeling and Intervention for Improving Long-Term Medication," **\$107,970**



Dr. Jillian Wiggins

Total: \$1,064,106

National Institute of Mental Health:
"Neural Mechanisms of Risk and Resilience in Early Childhood Irritability," **\$1,064,106**