Awards Received
July 1, 2019 - June 30, 2020

COLLEGE OF ARTS & LETTERS
Dr. Glen McClish, Interim Dean

Office of the Dean

Dr. Atsushi Nara
Perspecta: “Developing Alert San Diego Response Tool (ART) for Facilitating Emergency Evacuation Decision-Making,” $18,000

Dr. Christopher Brown and Dr. Mathias Schulze
Department of Defense National Security Agency: “SDSU STARTALK Teacher Program,” $63,682
Institute of International Education: “Language Training Center Instructor Workshop at SDSU-LARC,” $73,384; “SDSU-LARC National Language Training Center,” $3,901,224; “Language Acquisition Resource Center at San Diego State University Project GO,” $428,466

Dr. Mathias Schulze
University of California Office of the President: “California Subject Matter Project – CSMP,” $17,000; “Every Student Succeeds Act – ESSA,” $35,000

Anthropology

Dr. Matthew Lauer

Dr. Erin Riley
American Society of Primatologists: “Expanding Local Capacity in Methods in Primate Behavior, Ecology, and Conservation in South Sulawesi, Indonesia,” $2,000
Dr. Erika Robb Larkins  
Consulate General of Brazil in Los Angeles: “Traditions of the Northeast of Brazil,” $2,000

Opening performance, Bandits and Heroes, Poets & Saints exhibit.  
PI: Erika Robb Larkins  
Photo: Joel Ortiz

National Endowment for the Humanities: “The Making of Modern Brazil,” $105,000

Economics

Dr. Joseph Sabia  

Troesh Family Foundation: “Center for Health Economics & Policy Studies: Labor and Health Projects I,” $250,000

European Studies

Dr. Clarissa Clo  
Institute of Italian Culture: “Online Elementary Italian II course (ITAL100B),” $3,329
Awards Received July 1, 2019 - June 30, 2020

Geography

Dr. Trent Biggs  
Total: $32,090
Salisbury University: “Estimating the Social Benefits of Satellite Imagery used to Enforce the Brazilian Forest Code and Reduce Deforestation,” $6,210

Geography Professor Trent Biggs measuring streamflow in a pasture in the Amazon with Brazilian collaborators Tatiane Checchia and Janielson Lima. PI: Trent Biggs  
Photo: Zack Werner


Dr. Trent Biggs and Dr. Fernando De Sales  
Total: $4,515

Dr. Thomas Herman  
Total: $233,344
Esri Inc: “Coordination of Statewide Student Geographical Information Systems (GIS) Mapping Competition,” $1,000
San Diego County Office of Education: “Contributions to San Diego County of Education History-Social Science Conference 2020,” $3,000
San Diego Unified School District: “Evaluation of School-Age Prevention and Early Intervention Program Central,” $38,000; “Evaluation of School-Age Prevention and Early Intervention Program in Central Southeastern Region,” $38,000
South Bay Community Services: “Evaluation of CalWORKs Home Visiting Program,” $12,000; “Evaluation of First 5 Targeted Home Visiting Program for South Bay Community Services,” $42,000; “Local Evaluation of the Proud Parenting Program for South Bay Community Services,” $20,000; “South Region Evaluation: First 5-Healthy Development Services for Children,” $79,344

Dr. Piotr Janowski  
Total: $37,962
Portland State University: “Convergence Accelerator Phase I (RAISE): Open Knowledge Network for Spatial Decision Support,” $37,962

Dr. Hilary McMillan  
Total: $95,607
Hilary McMillan at CSU Sacramento conducting field monitoring of groundwater responses in preparation for their COAST project.
PI: Hilary McMillan
Photo: David Dralle, Sacramento State and U.S. Forest Service.

Dr. Andre Skupin
Scripps Clinic Medical Group: “Stroke After Aspiration Thrombectomy: Using Machine Learning to Find Clinically Relevant Patterns in the Minneapolis Heart Institute Foundation STEMI Registry,” $15,000

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,” $47,952

Dr. Ming-Hsiang Tsou
University of California at San Diego: “Geographical Information Systems (GIS) and Data Visualization Enhancement with the Data Mart Infrastructure in the California Teachers Study (CTS),” $49,442

Latin American Studies

Dr. Ramona Perez
Tinker Foundation Inc: “SDSU/Tinker Foundation Field Research Grants for Latin America,” $20,000

Political Science

Dr. Lei Guang
University of California at San Diego: “Making Effective Policy Toward China by Understanding China’s Internal Political Dynamics,” $69,484
Awards Received July 1, 2019 - June 30, 2020

**Sociology**

**Dr. Sheldon Zhang**

The City University of New York-John Jay College: "San Diego Trafficking Prevention Collective," $93,276

**Spanish and Portuguese Languages and Literatures**

**Dr. Ricardo Vasconcelos**

Camos Institute: "Support for SDSU Portuguese Program — Teaching and Research," $27,778

Portuguese 110 students with guest author Portuguese novelist David Machado.

PI: Ricardo Vasconcelos
Awards Received July 1, 2019 - June 30, 2020

COLLEGE OF EDUCATION
Dr. Y. Barry Chung, Dean

**Office of the Dean**

<table>
<thead>
<tr>
<th>Dr. Y. Barry Chung</th>
<th>Total: $1,494,865</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price Philanthropies Foundation: “College Avenue Compact,” $998,106; “Programs at Monroe Clark Wilson Middle Schools,” $56,495</td>
<td></td>
</tr>
</tbody>
</table>


**Administration, Rehabilitation & Postsecondary Education**

<table>
<thead>
<tr>
<th>Dr. Charles Degeneffe and Dr. Mark Tucker</th>
<th>Total: $199,999</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Department of Education Rehabilitation Services Administration: “Rehabilitation Counseling in the Pacific,” $199,999</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Felisha Herrera Villarreal</th>
<th>Total: $147,714</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Science Foundation: “Building Capacity: Undergraduate STEM Transitions, Experiences, and Mobility,” $147,714</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Sonia Peterson</th>
<th>Total: $149,993</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Department of Education Office of Special Education/Rehabilitation Services: “Rehabilitation Services Administration,” $149,993</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Caren Sax</th>
<th>Total: $5,911,154</th>
</tr>
</thead>
<tbody>
<tr>
<td>Association for Learning Environments: “Association for Learning Environments (A4LE),” $23,460</td>
<td></td>
</tr>
</tbody>
</table>


California Department of Developmental Services: “Exceptional Family Resource Center (EFRC) DDS 20/21,” $294,998

CaPROMISE participant at a worksite developed through the Riverside County of Education. PI and photo: Caren Sax
California Department of Education: “Exceptional Family Resource Center (EFRC) Family Empowerment Center 19/20,” $255,914; “Collaboration to Utilize Existing Data-Based Evidence to guide CDOR Planning and Decision Making,” $129,149


Health Sciences High and Middle College: “Adult Transition Services,” $45,428

Nevada Department of Employment Training and Rehabilitation: “E/Rehab Website Upgrade, Hosting and Maintenance,” $16,485

Poway Unified School District: “Exceptional Family Resource Center (EFRC) Poway Alternative Dispute Resolution 19/20,” $7,000

San Diego County Office of Education: “Exceptional Family Resource Center (EFRC) Resolutions for Student Success 19/20,” $70,000

San Diego County Superintendent of Schools: “19/20 Exceptional Family Resource Center (EFRC) Early Start Referral Services,” $25,671

San Diego State University: “MA Degree in Education with a Concentration in Post-Secondary Education Leadership,” $70,283

San Diego/Imperial Counties Developmental Services Inc: “19/20 Exceptional Family Resource Center (EFRC) Spanish Phone Calls/Faxes and English Faxes,” $105,456

State of Hawaii: “2019-20 Technical Assistance and Training for Hawaii’s Division of Vocational Rehabilitation,” $79,975

Utah State University: “Targeting Special Education Vocational Rehabilitation Secondary Transition Collaboration Competencies for Improved Transition Outcomes,” $77,089

U.S. Department of Education Office of Special Education/Rehabilitation Services: “Workforce Innovation Technical Assistance Center (WITAC),” $3,498,393

Dr. Nan Hampton and Dr. Caren Sax Total: $400,000

U.S. Department of Education Office of Special Education/Rehabilitation Services: “Collaborative for Distance Education in Rehabilitation: Comprehensive System of Personal Development Rehabilitation Training,” $200,000; “Raising the Bar: Long Term Training in Rehabilitation Counseling,” $200,000

Dr. Mark Tucker Total: $1,630,349


George Washington University: “GW-CRCRE Center for Innovative Training in VR,” $187,037

Nevada Department of Employment Training and Rehabilitation: “Nevada Bureau of Vocational Rehabilitation - Comprehensive Statewide Needs Assessment,” $59,883
Awards Received July 1, 2019 - June 30, 2020

Dr. Felisha Herrera Villarreal and Dr. Melo-Jean Yap  
Total: $349,997
National Science Foundation: “Influential Networks for Women of Color in STEM Community College Pathways,” $349,997

Women of Color in STEM Community College Pathways photo collage.  
PIs: Dr. Felisha Herrera Villarreal and Dr. Melo-Jean Yap

Child & Family Development

Dr. Sarah Garrity and Dr. Sascha Longstreth  
Total: $174,320
Price Philanthropies Foundation: “Strengthening Family Childcare Providers Program,” $19,320
San Diego Grantmakers: “Family Child Care Curriculum,” $155,000

Dr. Kelsey Dickson  
Total: $168,779
National Institute of Mental Health: “Adapting an Autism Spectrum Disorder (ASD) Executive Functioning Intervention for Implementation in Children’s Mental Health Services,” $168,779

Dr. Sarah Garrity  
Total: $2,791
YMCA of San Diego County: “San Diego Comprehensive Approaches to Raising Education Standards (CARES) Program,” $2,791

Dr. Sarah Garrity, Dr. Lisa Linder, and Dr. Sascha Longstreth  
Total: $154,139
Escondido Community Child Development Center: “Early Childhood Mental Health Consultation Pilot - Escondido Community Child Development Center,” $52,247

Dr. Audrey Hokoda  
Total: $20,000
California Endowment: “Trauma-Informed Parent Leadership at Cherokee Point Elementary,” $20,000
Parents lead workshops on media and social norms. PI and photo: Audrey Hokoda

Dr. Lisa Linder

Dr. Sarah Rieth
San Diego Regional Center for the Developmentally Disabled: “PUENTE (Padres Unidos En Transformacion y Empoderamiento),” $16,894
University of California at San Diego: “Reducing Disparities in Early Identification and Intervention for Traditionally Underserved Children and Families,” $19,312

Dr. Rachel Schlagel
Palo Alto Veterans Institute for Research: “Improving and Sustaining Delivery of Cognitive Processing Therapy (CPT) for Post-traumatic Stress Disorder (PTSD) in Mental Health Systems,” $25,198
University of California at San Diego: “Clinic for Child and Youth Psychiatry (CCYP) Evaluation,” $22,308

Counseling & School Psychology

Dr. Jose Estrada and Dr. Laura Owen
Price Philanthropies Foundation: “College Avenue Compact,” $959,118

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,” $249,997

Dr. Bonnie Kraemer and Dr. Katina Lambros Ortega

Dr. Katheryne Leigh and Dr. Carol Robinson-Zanartu
U.S. Department of Education Office of Special Education/Rehabilitation Services: “Supporting High-Intensity Mental Health Needs of Native and Indigenous Youth: School Psychologist and Counselor Advanced Preparation (SHPA),” $225,486
Awards Received July 1, 2019 - June 30, 2020

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

Dr. Brent Taylor
Price Philanthropies Foundation: “Price Charities Counseling Program,” $102,772

Dual Language and English Learner Education

Dr. Alberto Esquinca
University of Texas El Paso: “Broadening Participation in Engineering: A Qualitative Study on Latina/o Persistence in and Beyond the Degree,” $21,976
Utah State University: “Enhancing Engineering Understanding in K-5 Bilingual Programs: Advocating for Latinx in Engineering Careers,” $25,000

Educational Leadership

Dr. Douglas Fisher
The Stuart Foundation: “Principal Preparation and Support 2017,” $200,000

Dr. Joseph F. Johnson, Jr.
Iftin Charter School: “National Center for Urban School Transformation (NCUST) High-Performing Schools Equity Audit Iftin Charter,” $26,000

Inspire Charter School working to define the model classrooms they want to create.
PI: Joseph F. Johnson, Jr.
Photo courtesy of NCUST

Inspire Charter Schools: “National Center for Urban School Transformation (NCUST) Inspire South Low Performing Student Block (LPBSG),” $325,000

Kansas Learning Network: “Professional Development for Kansas City Public Schools - National Center for Urban School Transformation (NCUST),” $360,000


Awards Received July 1, 2019 - June 30, 2020


Riverside County Office of Education: “Equity Audit - Riverside County Office of Education,” $528,520


San Diego County Office of Education: “National Center for Urban School Transformation (NCUST): SDCOE California Collaborative for Educational Excellence (CCEE),” $50,000


Shelby County Schools: “National Center for Urban School Transformation (NCUST): A-PLUS Shelby County Schools,” $72,000

Total: $109,827

San Diego Regional Center for the Developmentally Disabled: “Creative Support Alternatives - Supported Living,” $109,827

Regional Center of the East Bay: “Creative Support Alternatives - Independent Living Regional Center of the East Bay (RCEB),” $73

San Diego Regional Center for the Developmentally Disabled: “Creative Support Alternatives - Personal Assistance,” $32,383

San Diego/Imperial Counties Developmental Services Inc: “Creative Support Alternatives- Independent Living,” $41,884; “Creative Support Alternatives: Community Employment Services,” $64,635

Valley Mountain Regional Center: “Creative Support Alternatives: Independent Living Services Program 2020,” $133,903

Total: $272,878

Texas Tech University: “3D Ed Prep 4 All,” $100,000

Ohio Valley Educational Cooperative: “STOP School Violence,” $88,933

University of North Carolina-Chapel Hill: “US PREP Technical Assistance Model Evaluation,” $15,000

University of North Carolina-Chapel Hill: “Efficacy Follow up Study of Center on Secondary Education for Students with Autism Spectrum Disorder (CSESA) Intervention,” $150,500

Total: $150,500
Awards Received July 1, 2019 - June 30, 2020

Dr. Laura Hall and Dr. Yasemin Turan-Qian  
Total: $148,645  

Dr. Jessica Suhrheinrich  
Total: $689,710  
California Department of Developmental Services: “Collaborative Development of Culturally Appropriate Resources for Parents of Individuals with Disabilities,” $99,998  
Organization for Autism Research: “Systematic Adaptation of Evidence-based Resources to Support Adults with Autism Spectrum Disorder (ASD) in Community Settings,” $37,707  
University of California at Davis: “Exploring Multi-level System Factors Facilitating Teacher Training and Implementation of Evidence-Based Practices (EBP),” $111,031  
U.S. Department of Education Institute of Education Sciences: “The Development of an Empirically-based Adaptation and Training Model for Intervention Scale up of Classroom Pivotal Response Teaching (CPRT),” $337,041

Dr. Meredith Houle  
Total: $145,680  
CSU East Bay: “Aligning the Science Teacher Education Pathway: A Networked Improvement Community,” $145,680

Dr. Lisa Lamb  
Total: $53,021  

Dr. Lisa Lamb and Dr. Melissa Soto  
Total: $56,437  
University of California Office of the President: “San Diego Math Project - California Subject Matter Project (CSMP),” $24,000; “San Diego Math Project – ESSA,” $32,437

Dr. Cynthia Park  
Total: $1,064,373  
California Department of Education: “Upward Bound Summer Residential Program 2018,” $11,043  
University of California at San Diego: “Health Careers Opportunities Program / San Diego Regional Consortium,” $135,000; “Lincoln Title 1 9th Grade Academic Achievement Initiative,” $25,768  

PI: Jessica Suhrheinrich (second from right)

Teacher Education

Dr. Meredith Houle  
Total: $145,680  
CSU East Bay: “Aligning the Science Teacher Education Pathway: A Networked Improvement Community,” $145,680

Dr. Lisa Lamb  
Total: $53,021  

Dr. Lisa Lamb and Dr. Melissa Soto  
Total: $56,437  
University of California Office of the President: “San Diego Math Project - California Subject Matter Project (CSMP),” $24,000; “San Diego Math Project – ESSA,” $32,437

Dr. Cynthia Park  
Total: $1,064,373  
California Department of Education: “Upward Bound Summer Residential Program 2018,” $11,043  
University of California at San Diego: “Health Careers Opportunities Program / San Diego Regional Consortium,” $135,000; “Lincoln Title 1 9th Grade Academic Achievement Initiative,” $25,768  

PI: Jessica Suhrheinrich (second from right)
Neuroengineering Camp (YSP-REACH Camp) at San Diego State University.
PI: Cynthia Park
Photo courtesy of Pre-College Institute

Dr. Donna Ross  
California State University San Francisco: “Western Regional Noyce Alliance (WRNA),” $405,899

California State University Sonoma: “SDSU Teacher Education Maker Movement,” $10,000

Dr. Rafaela Santa Cruz  
San Diego State University: “CSET Math & Science Subtests,” $11,000

Dr. Emily Schell  
California State University Office of the Chancellor: “UC/CSU Sustainability Summit,” $3,500
Awards Received July 1, 2019 - June 30, 2020

COLLEGE OF ENGINEERING
Dr. Eugene Olevsky, Dean

Office of the Dean

Ms. Theresa Garcia
U.S. Department of Defense Office of Naval Research: “Advancing Navy STEM Workforce through Education and Research (ANSWER),” Total: $256,472

Dr. Eugene Olevsky
University of California Office of the President: “2019-2020 MESA Engineering Program (MEP),” Total: $190,000

University of California Office of the President: “MESA Oracle Summer Program,” Total: $180,000

Aerospace Engineering

Dr. Ahmad Bani Younes
Khalifa University: “Trajectory Design and Optimization for Space Applications,” Total: $10,884

Dr. Jun Chen
Massachusetts Institute of Technology: “Dynamic Aircraft Hazard Area Generation for Space Operations,” Total: $95,000

TuSimple LLC: “Dispatch and Scheduling System for Autonomous Truck Fleet Management,” Total: $50,000

Dr. Gustaaf Jacobs

Dr. Xiaofeng Liu

Tomographic-PIV experimental setup at SDSU.
PI: Xiaofeng Liu
Photo: Jose Roberto Moreto

National Aeronautics and Space Administration: “Prandtl-D Aerodynamic Load and Induced Thrust Validation using Time-Resolved Stereoscopic PIV Wind Tunnel Measurements (Fellow - Brad Zalenko),” Total: $58,000
## Awards Received July 1, 2019 - June 30, 2020

**Dr. Ping Lu**


**Total: $141,500**

---

**Civil & Environmental Engineering**

**Mr. Thomas Abram**


**Total: $1,500**

---

**Dr. Robert Dowell**

General Dynamics NASSCO: “Wood Block Testing for Ship Launch,” $6,192

**Total: $6,192**

---

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

General Dynamics NASSCO: “Fatigue Testing of Full-Scale Swage Panels for Ships,” $181,344

**Total: $473,745**

---

**Dr. Temesgen Garoma**

Metropolitan Water District of Southern California: “Solar Thermal Energy Concentrated with Fresnel Lens for Seawater Desalination,” $10,000

**Total: $10,000**

---

**Dr. Sahar Ghanipoor-Machiani**

Scripps Health: “Evaluation of Driving Ability After Mild Traumatic Brain Injury,” $12,500

**Total: $12,500**

---

**Dr. Sahar Ghanipoor-Machiani and Dr. Arash Jahangiri**

Virginia Polytechnic Institute and State University: “Safety through Disruption (Safe-D) University Transportation Center (UTC),” $473,745

**Total: $473,745**

---

**Dr. Alicia Kinoshita**

U.S. Department of Interior Bureau of Land Management: “Improving Post-wildfire Peak Streamflow Predictions for Small Watersheds and Communities,” $24,958

**Total: $24,958**

---

**Dr. Natalie Mladenov**

National Science Foundation: “INTERN: Modeling the Fate of Chemicals of Emerging Concern in Aerobic and Anaerobic Membrane Bioreactor Systems,” $54,993; “REU: Quantifying Chemical Loadings from Sludge Generated by MBR and AnMBR Treatment Systems for Water Reuse,” $7,000

**Total: $61,993**

---

**Dr. Natalie Mladenov and Dr. Matthew Verbyla**

San Diego River Conservancy: “Persistence of SARS Coronavirus-2 in Natural Waters,” $11,700

**Total: $11,700**

---

**Dr. Hassan Tavakol-Davani**

IEA Research and Education Foundation: “Statistical Analysis on Oil and Grease Monitoring Data to Evaluate the Effectiveness of Intermediate Devices,” $5,063

**Total: $5,063**

---

Erosion in Horsethief Creek after a storm following the 2018 Holy Fire in California.

PI: Alicia Kinoshita

Photo: Brian Swanson, Department of Conservation – California Geological Survey.
Awards Received July 1, 2019 - June 30, 2020

Mr. Thomas Zink
U.S. Department of Defense Army Corps of Engineers: “San Clemente Island Botany Program Implementation,” $506,841


Electrical & Computer Engineering

Dr. Baris Aksanli

National Science Foundation: “Collaborative Research: MLWiNS: Hyperdimensional Computing for Scalable IoT Intelligence Beyond the Edge,” $60,000

The mathematical properties of high-dimensional spaces can explain the key aspects of human memory, perception, and cognition, which is the basis of Hyper-dimensional computing.
PI: Baris Aksanli
Photo Credit: Pixaby

Dr. Amirhossein Alimohammad
National Science Foundation: “SHF: SMALL: Reconfigurable and Programmable Processors for Brain-Computer Interfacing,” $320,000

Dr. Sunil Kumar

Intelligent Automation Inc.: “RETAIL: Resilient and Self-Healing Protocol Stack for Directional Tactical Mesh Networks,” $17,000

Dr. Saeed Manshadi
**Awards Received July 1, 2019 - June 30, 2020**

**Dr. Chunting Mi**

Ford Motor Company: “Data Piece Based Parameter Identification and Prognostics of Lithium-ion Batteries,” $100,000

Dr. Wei Gao, postdoctoral researcher working on the battery project to enhance the safety and reliability of electric vehicles.

PI and photo: Chunting Mi

**Dr. Huu Nguyen**

LinQuest Corporation: “Measurement and Analysis of SATCOM Operational Resiliency,” $25,000

**Dr. Christopher Paolini**


**Dr. Reza Sabzehgar**

TransPower: “Control and Optimization of an Inverter Utilized in Electric Heavy-Duty Vehicle for Fast Transmission Shifting,” $105,000

Control board and transmission system for TransPower project.

PI: Reza Sabzehgar

Photo: Kash Olia, TransPower

**Dr. Satish Sharma**

Fuse Integration: “Resilient Directional Mesh Enhanced Tactical Airborne Networks,” $200,000

National Aeronautics and Space Administration: “Applicability of Hybrid-Beamforming based Massive MIMO Antenna Arrays Concepts for 5G Millimeter Wave Applications to SmallSats Platforms,” $150,000

U.S. Department of Defense Naval Information Warfare Center (NIWC): “Design and Test Support for Microwave Wide Circular Polarized Phased Array,” $30,000
Awards Received July 1, 2019 - June 30, 2020

Dr. Hakan Toreyin
National Science Foundation: “Leveraging Stochastic Resonance for High Spatial-Resolution Extracellular Monitoring.” $299,331

Dr. Junfei Xie
Awards Received July 1, 2019 - June 30, 2020

**Mechanical Engineering**

**Dr. Asfaw Beyene**

**Dr. Amneet Pal Bhalla**
National Science Foundation: “Collaborative Research: Frameworks: Multiphase Fluid-Structure Interaction Software Infrastructure to Enable Applications in Medicine, Biology, and Engineering,” $499,682

A team from San Diego State University and Northwestern University used the Comet and Bridges supercomputers to simulate inertial sea wave energy converter devices in collaboration with Politecnico di Torino.
PI: Amneet Pal Bhalla
Photo: Mattiazzo Group, Politecnico di Torino.

**Dr. Subrata Bhattacharjee**
National Aeronautics and Space Administration: “Residence Time Driven Flame Spread Over Solid Fuels,” $150,000

**Dr. Randall German**
National Aeronautics and Space Administration: “Multi-Scale Modeling and Experimentation on Liquid Phase Sintering in Gravity and Microgravity Environments,” $75,000

**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. Samuel Kassegne**
University of Washington: “National Science Foundation Engineering Research Center for Neurotechnology (CNT),” $297,679

**Dr. Parag Katira**
Department of Defense U.S. Army: “Biomathematics: Predicting Tissue Dynamics based on Stochastic Variations in Cell Stiffness and Spatial Clustering within the Tissue Environment,” $93,034

**Dr. Karen May-Newman**
Abbott Vascular: “Effect of a Programmed "Pulse" on Flow in the Native Cardiovascular System during LVAD Support with the HeartMate III LVAD, Studied in a Mock Circulatory Loop,” $40,000

Becton Dickinson and Company: “Design Project of Roller Clamps for Intravenous Administration Sets,” $9,600

**Dr. Fletcher Miller**
National Aeronautics and Space Administration: “Developing the Narrow Channel Apparatus as a NASA Standard Material Flammability Test – Flight Experiment,” $90,000

**Dr. Kee Moon**
Sejong University South Korea: “Winter Program at SDSU,” $63,000
### Awards Received July 1, 2019 - June 30, 2020

<table>
<thead>
<tr>
<th>Name</th>
<th>Total:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Eugene Olevsky</td>
<td>$422,119</td>
</tr>
<tr>
<td>General Electric:</td>
<td></td>
</tr>
<tr>
<td>“Sintering of 3D-Printed Complex Shape Porous Components,”</td>
<td>$130,000</td>
</tr>
<tr>
<td>Minority Serving Institutions STEM R&amp;D Consortium:</td>
<td></td>
</tr>
<tr>
<td>Dr. Kevin Wood</td>
<td>$231,137</td>
</tr>
<tr>
<td>Belenos Clean Power Holding Ltd:</td>
<td></td>
</tr>
<tr>
<td>“Fundamental Understanding of Li Metal Anodes for Improved Device Performance,”</td>
<td>$231,137</td>
</tr>
<tr>
<td>Dr. George Youssef</td>
<td>$369,593</td>
</tr>
<tr>
<td>National Science Foundation:</td>
<td></td>
</tr>
<tr>
<td>“In-situ Multimode Ultrahigh Strain Rate Loading and Characterization,”</td>
<td>$369,593</td>
</tr>
</tbody>
</table>
Awards Received July 1, 2019 - June 30, 2020

FOWLER COLLEGE OF BUSINESS
Dr. Bruce A. Reinig, Interim Dean

Finance

Dr. Ning Tang

Management Information Systems

Dr. Aaron Elkins and Dr. Bongsik Shin
Department of Defense Office of Naval Research: “Building the Foundation for Navy Augmented Reality Supported Maintenance,” $74,313

Dr. John Francis
City of San Diego: “Small Business Enhancement Program – 2020,” $22,000

Student winners of the end-of-semester presentations, Small Business Enhancement Program
PI: John Francis
Photo: Lara Snow

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

Dr. Bongsik Shin
Marc Perez Inc: “Eliminating Ransomware Attacks with Program Access Control (PAC),” $7,500; “Eliminating Ransomware Attacks with Program Access Control (PAC) - Phase 2,” $7,500

Marc Perez & Bongsik Shin
PI: Bongsik Shin
COLLEGE OF HEALTH & HUMAN SERVICES
Dr. Steven Hooker, Dean

Office of the Dean

Dr. Steven Hooker
California Department of Health Services, “Women, Infants and Children (WIC),” $6,989,018
California Women, Infants and Children (WIC) Association: “Census Mini Grant,” $38,000

Exercise & Nutritional Science

Dr. Michael Buono
Avacen Inc: “Effect of Combined Hand Warming and Negative Pressure on Blood Glucose and Blood Pressure,” $33,419
Leidos Inc: “Comparison of Different Heat Tolerance Tests,” $144,303

Dr. Daniel Cannon
National Science Foundation: “Collaborative Research: Role of Endogenous Carbon Monoxide (CO) in Hypoxia Tolerant Species,” $152,699

Dr. Shirin Hooshmand and Dr. Mark Kern
Almond Board of California: “Roles of Almonds for Physical Performance,” $179,300
California Dried Plum Board: “The Impact of Consuming California Dried Plums (Prunes) on Bone Health of Young Women Using Hormonal Contraceptives,” $333,910

Dr. Mee Young Hong, Dr. Shirin Hooshmand, Dr. Mark Kern, and Dr. Changqi Liu
California Strawberry Commission: “Impact of Strawberries on Cognitive and Motor Function and Vascular and Cardiometabolic Risk Markers in Older Healthy Adults: A Randomized, Cross-over, Double-blind, Placebo Controlled Clinical Trial,” $83,863

Dr. Changqi Liu
California State University Los Angeles: “Improving the Functionalities and Applications of Rice Protein Ingredients,” $17,279
Trex Company, Inc.: “Amandin Detection in Wood and Composite Decking,” $2,611
Awards Received July 1, 2019 - June 30, 2020

Dr. Matthew Mahar          Total: $5,000
National Academy of Kinesiology: “Kinesiology Doctoral Program Evaluation,” $5,000

Dr. Katrina Maluf          Total: $86,085
National Institute of Child Health and Human Development: “Role of Patient-provider Communication on Clinical Outcomes of Rehabilitation for Chronic Spine Pain,” $34,369
Veterans Medical Research Foundation: “Imaging Central and Peripheral Impairments in Chronic Post-traumatic Headache,” $51,716

Post-traumatic headache project
PI: Katrina Maluf

Dr. Amanda McClain          Total: $183,054
National Heart, Lung, and Blood Institute: “Capacity-oriented Approaches to Food Security, Diet Quality, and Cardiovascular Disease Risk Among Hispanics/Latinos.” $183,054

Dr. Lori Tuttle             Total: $1,030,218
National Institute of Child Health and Human Development: “An Innovative Rehabilitation Approach for Women with Anal Incontinence,” $1,030,218

Dr. Larry Verity            Total: $474,240
San Diego State University: “College Avenue Compact - Staff Support,” $436,191
San Diego Unified School District: “College Avenue Compact - Wilson Middle School Students Advocates (SDUSD),” $38,049
Awards Received July 1, 2019 - June 30, 2020

Nursing

Dr. Beverly Carlson
University of California at San Diego: “UC San Diego Clinical and Translational Research Institute,” $59,522

Dr. Philip Greiner
Health Resources and Services Administration: “Geriatrics Workforce Enhancement Program COVID - CARES Act Imperial County Telehealth,” $90,625; “Geriatrics Workforce Enhancement Project,” $754,999

The American Geriatrics Society: “GWEP Support 2020,” $1,000

Public Health

Dr. Elva Arredondo
National Institute of Child Health and Human Development: “Floreciendo Juntas (Growing Together): A Mother-daughter Physical Activity Program,” $225,750

San Diego State University: “Infrastructure Support for Elva Arredondo,” $29,168

Dr. Lisa Asmus

San Diego County Health and Human Services Agency: “Program Evaluation Services,” $30,000

Ms. Lisa Asmus and Dr. Corinne McDaniels

San Ysidro Health Center: “HIV Pre-exposure Prophylaxis (PrEP) Navigator Services Programs – Evaluation,” $30,000

Dr. Guadalupe X. Ayala
Seattle Children’s Hospital & Regional Medical Center: “Parents as Peer Interventionists in Treatment for Pediatric Weight Management,” $40,640

University of California at Los Angeles: “A Mobile Phone-based Pilot Intervention to Prevent Childhood Obesity in Latino Preschool Children,” $31,737
### Awards Received July 1, 2019 - June 30, 2020

<table>
<thead>
<tr>
<th><strong>Dr. Stephanie Brodine</strong></th>
<th>Total: $23,402</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indian Health Council: “Native American Research Centers for Health (NARCH) Core,” $8,402</td>
<td></td>
</tr>
<tr>
<td>University of California at San Diego: “Centers of Excellence,” $15,000</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Jerel Calzo</strong></th>
<th>Total: $165,443</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvard Medical School: “Eating Disorders Prevention for Transgender Young Adults: An Intervention Mapping Approach,” $4,224</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Sheila Castaneda</strong></th>
<th>Total: $54,141</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of California at San Diego: “CRC-HUB-SPOKE: A Colorectal Cancer Screening Hub for Southern California Community Health Centers,” $54,141</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Heather Corliss</strong></th>
<th>Total: $70,306</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Tobacco Related Disease Research Program: “At the Intersection of Social Inequity: Tobacco Use Disparities Among Diverse LGBTQ Adolescents,” $70,306</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Nathan Dodder</strong></th>
<th>Total: $25,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego Zoo Global: “Noninvasive Hormone Monitoring in Managed White Rhinoceroses,” $25,000</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Nathan Dodder and Dr. Eunha Hoh</strong></th>
<th>Total: $301,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Tobacco Related Disease Research Program: “Pilot Investigation of Tobacco, E-cigarette, and Cannabis Contaminants in an Urban Natural Reserve,” $301,000</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Tracy Finlayson</strong></th>
<th>Total: $23,844</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego County Employees' Charitable Organization: “Boca Sana - Oral Health Behavior Social Support,” $620</td>
<td></td>
</tr>
<tr>
<td>University of California at San Francisco: “BEhavioral EConomics for Oral Health iNnovation (BEECON),” $23,224</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Tracy Finlayson and Dr. Corinne McDaniels</strong></th>
<th>Total: $72,623</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego County Health and Human Services Agency: “Local Oral Health Program - CNA&amp;E - 20/21,” $72,623</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Eunha Hoh</strong></th>
<th>Total: $217,479</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cincinnati Children’s Hospital: “Reducing Secondhand Smoke Exposure Among Pediatric Patients in the Emergency Department Setting,” $21,829</td>
<td></td>
</tr>
<tr>
<td>University of California at Santa Barbara: “A Pilot Study of Tobacco &amp; Cannabis Contaminants in Protected Areas,” $195,650</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Eunha Hoh and Dr. PJE Quintana</strong></th>
<th>Total: $413,240</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Tobacco Related Disease Research Program: “Measuring and Reducing Exposure to Thirdhand Smoke,” $413,240</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Nada Kassem</strong></th>
<th>Total: $376,250</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Tobacco Related Disease Research Program: “Determining Risk of Transfer of Hookah Tobacco Thirdhand Smoke,” $376,250</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dr. Susan Kiene</strong></th>
<th>Total: $1,070,290</th>
</tr>
</thead>
</table>
Awards Received July 1, 2019 - June 30, 2020

National Institute on Alcohol Abuse and Alcoholism: “Development and Pilot Testing of a Combination Intervention to Reduce Heavy Drinking and Improve HIV Care Engagement Among Fisherfolk in Uganda,” $236,060

University of Texas San Antonio: “Development and Pilot Testing of a Multi-Level Intervention to Increase Family Planning in Rural Uganda,” $43,157

Dr. Brandy Lipton  
University of Maryland: “Do School-based Health Services Reduce Academic and Behavioral Inequalities Among Youth?,” $47,247  
Total: $47,247

Dr. Hala Madanat  
University of California at San Diego: “Cancer Center Support Grants (CCSG) for NCI Designated Cancer Center,” $71,373  
Total: $71,373

Dr. Hala Madanat and Dr. Corinne McDaniels  
San Diego State University: “Community Health Workers for COVID-19 Contact Tracing in San Diego County,” $2,943,543  
Total: $2,943,543

Dr. Corinne McDaniels  
Indian Health Council: “NARCH X Evaluation,” $9,963  
Total: $519,521

San Diego County Health and Human Services Agency: “Behavioral Health Services - Community Engagement Process,” $145,500; “Tobacco Control Resource Program - Evaluation Services Yr 3,” $70,000

The Children’s Initiative: “CI Data to Action – Reducing Child Injury and Death,” $16,229

The Clearity Foundation: “Ovarian Cancer Pilot Project Evaluation,” $15,000

University of California at San Diego: “Disparities in Cervical Cancer Brachytherapy Utilization in San Diego and Imperial County,” $25,000; “MCC CIAPM Community Outreach & Engagement (COE),” $50,443; “UC San Diego Clinical and Translational Research Institute (CTRI),” $122,856; “UCSD MCC: P30 CCSG Catchment Area Population Health Assessment,” $64,530

Dr. Corinne McDaniels and Ms. Tanya Penn  
Sharp Healthcare: “Sharp 2019: Community Health Needs Assessment (CHNA) Phase 2,” $12,500  
Total: $185,357

University of California at San Diego: “San Diego Clinical and Translational Research Institute (CTRI),” $122,857

University of California at San Diego: “UCSD Health - Community Health Needs Assessment (CHNA) Implementation Strategy 2019,” $50,000

Dr. Eyal Oren  
California Tobacco Related Disease Research Program: “A Randomized Cross-over Clinical Trial of Unfiltered Cigarettes- Student Supplement,” $20,000  
Total: $35,000

San Diego County Health and Human Services Agency: “COVID-19 Community Surveillance,” $15,000

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  
Total: $223,332

University of California at San Diego: “Serum Per- and Polyfluoroalkyl Substances (PFAS) and Cognitive Function in Older Adults from the Rancho Bernardo Study of Healthy Aging,” $37,730
Awards Received July 1, 2019 - June 30, 2020

Ms. Tanya Penn  
Total: $1,800  
Sharp Healthcare: “Sharp 2019 Community Health Needs Assessment (CHNA),” $1,800

Dr. Elizabeth Reed  
Total: $188,125  
National Institute of Child Health and Human Development: “An Intervention to Reduce Risk Factors for Adolescent Pregnancy,” $188,125

Dr. Karilyn Sant  
Total: $22,575  
University of Massachusetts: “Toxicant Disruption of Receptor-Mediated Endocytosis In Oogenesis and Later Life Metabolic Dysfunction,” $22,575

Dr. Caroline Thompson  
Total: $60,892  
California Tobacco Related Disease Research Program: “Spatial-, Neighborhood- and Healthcare System-related Drivers of Lung Cancer Treatment Disparities,” $40,316

Dr. Tianying Wu  
Total: $301,000  
California Tobacco Related Disease Research Program: “Past and Passive Smoking, Diet, Novel Biomarkers and Breast Cancer Metastasis,” $301,000

Acidic diets plus high past smoking intensity lead to worse prognoses in breast cancer survivors.  
PI: Tianying Wu

Social Work

Mr. Steven Hornberger  
Total: $1,159,211  
Aurrera Health Group LLC: “C Communications,” $75,000; “Network of Care,” $150,000

California Department of Social Services: “Strategies 2.0,” $574,263

Community Initiatives: “Breaking Barriers Symposium,” $37,500

County of Fresno: “Fresno County Transition Age Youth (TAY) Human-Centered Design Training (HCDT),” $92,001

Rhymes with Reason: “Juvenile Court Schools,” $3,465

The San Diego Foundation: “Age Friendly Communities - San Diego City,” $160,074

The Scan Foundation: “Social Policy Institute-San Diego Senior Alliance CA Master Plan for Aging 2020, 2021,” $15,000

Ventura County: “County Leadership Facilitation,” $40,068

YMCA of San Diego County: “Community Collaboration to Strengthen and Preserve Families,” $11,840
Awards Received July 1, 2019 - June 30, 2020

Dr. Adrianne Keeney  
Total: $8,767  
University of California at Davis: “Assessing Farm-Stress and Community Support in Imperial County Farmers,” $8,767

Dr. Eunjeong Ko  
Total: $35,000  
University of California at San Diego: “1/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” $35,000

Dr. Jong Won Min  
Total: $4,557,553  
San Diego County Alcohol and Drug Services: “Driving Under the Influence Program (DUIP),” $1,581,338  
University of California at Berkeley: “Mental Health Educational Stipend Program 2016-2021,” $1,500; “Title IV E Bachelors of Social Work Programs,” $287,277; “Title IV E Masters of Social Work Programs,” $2,639,482

Dr. Eileen Pitpitan  
Total: $1,011,567  

Ms. Jennifer Tucker-Tatlow  
Total: $3,345,071  

Ms. Jennifer Baum and Ms. Jennifer Tucker-Tatlow  
Total: $11,224,566  
California Department of Social Services: “Administration for Community Living (ACL) Adult Protective Services (APS) Training,” $215,000; “California Department of Social Services (CDSS) Child Welfare Training,” $6,520,345  
County of Riverside Department of Public Social Services: “Riverside County New Practice 18/19,” $213,230; “County New Practice 19/20,” $559,899

County of San Bernardino: “SB Children and Family Services,” $2,231,332

Imperial County Department of Social Services: “Imperial Training & Coaching 19/20,” $67,188

San Diego County Health and Human Services Agency: “Cultural Competency Academy FY 18/19,” $170,549

Ventura County: “Ventura CWT FY 20/21,” $1,247,023

Speech, Language and Hearing Sciences

Dr. Arthur Boothroyd  
Total: $72,252  
University of California at San Diego: “A Realtime, Open, Portable, Extensible Speech Lab,” $72,252

Dr. Karen Emmorey  
Total: $470,780  
National Institute on Deafness/Other Communication Disorders: “Assessing the Neural Dynamics of Reading in Deaf Adults - Diversity Supplement,” $6,418; “Language, Modality, and the Brain,” $433,518  
Stichting Katholieke Universiteit: “Domain-general Language Control: Evidence from the Switching Paradigm,” $28,164

University of Texas Dallas: “An Open Science Platform for the Neurobiology of Language Community,” $2,680
Awards Received July 1, 2019 - June 30, 2020

Dr. Karen Emmorey and Dr. Zdenka Sevcikova  Total: $552,162
National Science Foundation: “Collaborative Proposal: Quantifying Systematicy, Iconicity, and Arbitrariness in the American Sign Language Lexicon,” $552,162

Dr. Tracy Love-Geffen  Total: $207,300
National Institute on Deafness/Other Communication Disorders: “Neurocognitive Approaches to Communication Disorders,” $207,300

Dr. Carol Mackersie  Total: $530,501
National Institute on Deafness/Other Communication Disorders: “Self-fitting of Amplification: Methodology and Candidacy,” $530,501

Dr. Alyson Mills  Total: $150,500
National Institute on Deafness/Other Communication Disorders: “Semantic Learning Deficits in School Age Children with Developmental Language Disorder,” $150,500

Dr. Ignatius Nip  Total: $25,000
American Speech-Language-Hearing Foundation: “Quantifying Tongue Movement after Radiation Therapy in Patients with Oropharyngeal Cancer,” $25,000

Dr. Giang Pham  Total: $395,072
American Speech Language Hearing Association: “Online Resources for the Vietnamese Language: Assessment Tools, Learning Modules, and Databank,” $15,000


University of California at Irvine: “Test of English Language Learning (TELL), Postdoctoral Diversity Supplement: T.Ho” $95,888

University of California at Irvine: “Test of English Language Learners (TELL),” $146,829

Dr. Sonja Pruitt  Total: $15,000
Price Philanthropies Foundation: “College Avenue Compact - Pilot Project for Preschool Intervention at Rosa Parks Elementary School,” $15,000

Dr. Stephanie Ries-Cornou  Total: $149,599
National Institute on Deafness/Other Communication Disorders: “Brain Dynamics of Lexical Retrieval after left Hemisphere Stroke,” $149,599

Members of the Laboratory for the Brain Dynamics of Language
PI: Stephanie Ries-Cornou
Awards Received July 1, 2019 - June 30, 2020

**Dr. Peter Torre**

**National Institute on Deafness/Other Communication Disorders:** “The Association of Perinatal HIV Infection and Hearing Loss in Children of Cape Town, South Africa,” $319,235

**Johns Hopkins University:** “Multicenter AIDS Cohort Study - Part B (Baltimore Center),” $55,507

**President & Fellows of Harvard College:** “Pediatric HIV/AIDS Cohort Study (PHACS) Data and Operations Center (DOC),” $27,228

**Tulane University:** “Pediatric HIV/AIDS Cohort Study III (PHACS) Coordinating Center,” $20,319

**University of California at San Diego:** “Detect: A Novel Device to Assess how HIV Affects Neurocognitive Decline and Postural Instability in Older Adults at Risk for Alzheimer’s Disease,” $47,263

Total: $469,552
Awards Received July 1, 2019 - June 30, 2020

COLLEGE OF PROFESSIONAL STUDIES & FINE ARTS
Dr. Peggy Shannon, Dean

Art Design & History

Ms. Annie Buckley
California Arts Council: “Prison Arts Collective,” $1,146,416
Total: $1,146,416

Ms. Arzu Ozkal
California Humanities: “We the People: 50 Years of Women’s Studies and Activism Through Art,” $11,483
Total: $11,483

Communication

Dr. Heather Canary
Total: $15,285

University of Utah: “Utah Center of Excellence in ELSI Research: UCEER,” $10,535

Hospitality and Tourism Management

Mr. Gene Lamke
City of Coronado: “Camperships for Coronado Residents, Camp Able,” $9,500
Total: $9,500

Music & Dance

Dr. Scott Lipscomb
University of California Office of the President: “Southern California Arts Project (NCLB),” $90,000; “Southern Counties Arts Project (CSMP),” $50,000
Total: $140,000
Awards Received July 1, 2019 - June 30, 2020

**Public Affairs**

**Dr. Mounah Abdel-Samad**
Lucky Duck Foundation: “Does Utility Assistance for People Facing Housing Insecurity Keep People Housed?,” $12,500

**Dr. Shawn Flanigan and Dr. Megan Welsh**
California Tobacco Related Disease Research Program: “Service Utilization and Survival Strategies of Unsheltered Homeless During the COVID-19 Pandemic,” $16,050

**Dr. Alan Mobley**
Cal Poly Pomona Foundation Inc: “Project Rebound Mentorship Program,” $12,500

Dr. Renford Reese, Cal Poly Pomona, leading a training workshop for SDSU student interns
PI: Alan Mobley
Awards Received July 1, 2019 - June 30, 2020

COLLEGE OF SCIENCES
Dr. Jeffrey T. Roberts, Dean

Office of the Dean

Dr. Catherine Atkins
University of California at San Diego: “San Diego Institutional Research and Academic Career Development Award (IRACDA): Professors for the Future,” $13,104

Dr. Catherine Atkins and Dr. Stanley Maloy
National Institute of General Medical Sciences: “Maximizing Access to Research Careers,” $247,644

Dr. Lance Larson

Dr. Estralita Martin
CSU Sacramento University Enterprises Inc: “California State University Louis Stokes STEM Pathways and Research Alliance (CSU-LSAMP) National Science Foundation,” $15,000; “State University Louis Stokes STEM Pathways and Research Alliance (CSU-LSAMP) Senior Alliance,” $30,250

Dr. Faramarz Valafar
National Institute of Allergy and Infectious Diseases: “Evolutionary and Functional Significance of Novel Mutations in MDR-XDR TB,” $670,477

Astronomy

Dr. Douglas Leonard
National Science Foundation: “Collaborative Research: Mapping the Supernova Polarization Landscape,” $246,319

Dr. Robert Quimby
California Institute of Technology: “GROWTH: Global Relay of Observatories Watching Transients Happen,” $7,500

Dr. Kate Rubin
National Science Foundation: “Integral Field Spectroscopic Constraints on the Physics of Galactic Winds and Gas Accretion,” $351,382

Dr. Allen Shafter

Awards Received July 1, 2019 - June 30, 2020

**Biology**

**Dr. Aram Alimohammad Kalhori and Dr. Walter Oechel**
Total: $61,624
University of California at Irvine: “Innovation Center for Advancing Ecosystem Climate Solutions,” $61,624

**Dr. Todd Anderson and Dr. Brian Hentschel**
Total: $55,359
California Sea Grant College Program: “Land-based Echinoculture in California: Developing a Recirculating Aquaculture System (RAS) and Protocol for the Enhancement of Purple Urchin Roe,” $55,359

Purple urchin after 9 weeks of enhancement on artificial feed
PIs: Todd Anderson and Brian Hentschel
Photo: Renee Angwin

**Dr. Nicholas Barber**
Total: $274,088
National Science Foundation: “Rules of Life: Impacts of Plants and Communities on Soil Microbial Composition and Function Across Phylogenetic Scales,” $274,088

**Dr. Sanford Bernstein**
Total: $536,109
National Institute of General Medical Sciences: “Genetics and Molecular Biology of Striated Muscle Myosin,” $515,469
University of Nevada, Reno: “Mechanocchemistry of Myosin II Filaments,” $20,640

The Bernstein Lab
PI: Sanford Bernstein
Photo: Bernstein Lab

**Dr. Sanford Bernstein and Dr. Tom Huxford**
Total: $198,660

**Dr. Kevin Burns**
Total: $55,000
National Science Foundation: “Collaborative Research: Admixture Mapping of a Hybrid Zone to Test Tinbergen's Emancipation Hypothesis- B. Meyers,” $55,000
Awards Received July 1, 2019 - June 30, 2020

Dr. Rulon Clark and Dr. Jeremy Long  
California Sea Grant College Program: “Improving the Siting and Practices of Offshore Finfish Farms in the Southern California Bight by Incorporating Historical and Modern Data from Islands Near Existing Fish Pens,” $49,999

The research team traverses the crest of Islas Coronados Sur while sampling terrestrial species. From left to right: Ricardo DeSantiago, Ana Gomez Ramirez, Dr. Jeremy Long, Roman Nava-Landeros; not pictured: Dr. Rulon Clark. PIs: Rulon Clark and Jeremy Long

Dr. Rulon Clark and Dr. Jeet Sukumaran  
National Science Foundation: “Strike While the Snake is Hot: Will Increasing Nighttime Temperatures Make an Endothermic Keystone Species More Susceptible to Ectothermic Predators?,” $445,297

Dr. Ted Cranford  

Comparison between frozen gray whale head and a reconstruction of the same head from CT scan data. PI and image: Ted Cranford

Dr. Richard Cripps  
National Institute of General Medical Sciences: “Genetic Regulation of Muscle Fiber Diversity,” $339,061; “Genetic Regulation of Muscle Fiber Diversity Supplement (Trujillo),” $81,276; “Genetic, Molecular and Computational Analysis of MEF2 Function in Drosophila Myogenesis,” $239,675

Dr. Matthew Edwards  
Awards Received July 1, 2019 - June 30, 2020

Dr. Robert Edwards

Washington University in St. Louis: “Novel Experimental and Computational Resources for Virome Analysis in Inflammatory Bowel Disease,” $377,661

Total: $771,023

Dr. Christopher Glembotski
National Heart, Lung, and Blood Institute: “ATF6 is Required for ANP Secretion from the Heart,” $376,250;
“Harnessing the Adaptive ER Stress Response in Myocardial Ischemia,” $376,250;
“The Adaptive Cardiac Sensor, ATF6, Regulates ANP Secretion and Decreases Hypertensive Stress- E. Blackwood,” $33,049;
“The ER Stress-Induced Selenoprotein, SelenoS, Regulates Proteostasis and Cardiac Hypertrophy,” $426,657

Rees-Stealy Research Foundation: “Rees-Stealy Research Foundation Fellowship Program,” $100,000

Total: $1,312,206

Dr. Stephanie Grainger
National Heart, Lung, and Blood Institute: “The Role of Wnt Signaling in Normal and Abnormal Hematopoiesis,” $303,168

Total: $303,168

Dr. Natalie Gude and Dr. Mark Sussman
National Heart, Lung, and Blood Institute: “Resolving Myocardial Regeneration by Tracking Commitment of C-Kit+Cells,” $380,095

Total: $380,095

Dr. Marshal Hedin and Dr. Jeet Sukumaran
National Science Foundation: “COLLABORATIVE RESEARCH: Phylogenomics, Spatial Phylogenetics and Conservation Prioritization in Trapdoor Spiders (and kin) of the California Floristic Province,” $755,337

PIs: Marshal Hedin and Jeet Sukumaran

Adult male Habronattus jumping spider

Total: $755,337

Dr. Carrie House
National Cancer Institute: “Role of NF-κB Signaling in Supporting Ovarian Cancer Tumor-initiating Cells Responsible for Cancer Recurrence,” $249,000;
“Study the Interplay of NF-κB and MAPK/ERK Activity for Efficient Repopulation of Tumors Following Chemotherapy,” $51,029

Total: $303,168
Master's student, Jacqueline Lara, studying whether major signaling pathways coordinate their activities to alter ovarian cancer cell behavior to enable tumor relapse.
PI and photo: Carrie House

Dr. Marina Kalyuzhnaya
Auburn University: “Harnessing Methanotroph-Photoautotroph Interactions for Biogas Conversion to Fuels and Chemicals Using Binary Consortia,” $122,970

Johns Hopkins University: “Integrating Chemical Catalysis and Biological Conversion of Carbon Intermediates for Deriving Value Added Products from Carbon Dioxide,” $205,050

Lunar Mining Services PTY LTD: “LEAFs, Living Emission Abolish Filters for Coal-mine Methane Mitigation,” $75,000; “LEAFs, Living Emission Abolish Filters for Coal-mine Methane Mitigation. Phase 3 (Lunar PO3),” $160,050

San Diego State University: “Support of Marcus Bray for Johns Hopkins University Award,” $30,000

Dr. Linda Kelly
Kampachi Farms LLC: “KRUMBS – Kyphosid Ruminant Microbial Biodigestion of Seaweeds,” $157,406

National Science Foundation: “Diel Dynamics of Dissolved Organic Matter Production and Remineralization as a Driver of Coral Reef Nutrient Recycling,” $299,236


Dr. Scott Kelley
University of California at San Diego: “Role of the Gut Microbiome in Polycystic Ovary Syndrome,” $52,201

Dr. Chun-Ta Lai
Wood Group, PLC: “Application of Stable Isotope Ratios to Separate Water Sources During Low Flow Conditions in County of Orange,” $24,016

Dr. Rebecca Lewison
National Science Foundation: “National Science Foundation Graduate Research Internship Program (GRIP) - G.Schmidt,” $5,000; “Spatial Ecology of Wild Felids in the Context of a Fragmented and Rapidly Developing Landscape - G. Schmidt,” $46,000


Safari Club International: “California Sonoran Pronghorn Project,” $8,000
Awards Received July 1, 2019 - June 30, 2020

University of California at Santa Barbara: “Center for Excellence and Diversity in Team Science (CREDITS),” $16,454

Dr. David Lipson
The Nature Conservancy: “Monitoring, Assessment, Management, and Restoration of TNC's Applegate Property,” $22,575

Dr. David Lipson
Adrianna Mosier and Lauren Jonker – volunteers of the Field Stations Program conducting plant surveys and planting natives on the Nature Conservancy's Applegate Property
PI: David Lipson
Photo: Zach and Beth Principe

University of Exeter: “The Global Methane Supplementary Travel Funding,” $15,077

Dr. Jeremy Long

Department of Interior National Park Service: “Cooperative Research and Training Program Concerning the Resources of Cabrillo National Monument for Students at San Diego State University,” $14,188

National Science Foundation: “Herbivore Community Assemblage Response ... - R. DeSantiago),” $46,000; “The Effects of Climate Warming on the Invasive Rocky Intertidal Acorn Barnacle, Balanus Glandula, in its Native and Invaded Ranges of California and Argentina - C. Knight),” $46,000

SDSU PhD student Ric Desantiago uses marine epoxy to attach experimental foods to study herbivores along rocky shores.
PI: Jeremy Long
Photo: Wendi White

Dr. Stanley Maloy
National Science Foundation: “Type II: California State University Innovation Site,” $49,964

Dr. Kathleen McGuire
Vaxiion: “Efficacy, Immune Mechanism(s), and Pharmacokinetic/Biodistribution Properties of Vaxiion’s Investigational Minicell Product Intended for Use in Bladder Cancer,” $30,000

Dr. Girish Melkani
National Institute on Aging: “Molecular Basis of Circadian Rhythms Disruptions Linked Cardiometabolic Disorders and Their Mitigation Using Dietary Intervention,” $767,281

Dr. Walter Oechel
Fondazione Edmund Mach: “Investigating Manifold Strategies to Face Climate Changes in Viticulture,” $44,052

Total: $37,652

Total: $106,188

Total: $49,964

Total: $30,000

Total: $767,281

Total: $294,052
Awards Received July 1, 2019 - June 30, 2020

U.S. Department of State: “Supporting STEM Research and Graduate Education in Georgia; Building on Current Partnerships and Relationships in Georgia,” $250,000

**Dr. Walter Oechel and Dr. Samuel Shen**
City College of New York: “Financial Assistance to Establish Four NOAA Cooperative Science Centers at Minority Serving Institutions,” $112,580

**Dr. Walter Oechel and Dr. Donatella Zona**
Harvard University: “Multi-scale Data Assimilation and Model Comparison for ABoVE to Identify Processes Controlling CO2 and CH4 Exchange and Influencing Seasonal Transitions in Arctic Tundra Ecosystems,” $4,394

**Dr. Joy Phillips**
University of Nebraska Medical Center: “EP67 - Based Targeted Mucosal Vaccines to Prevent Primary Infection with CMV,” $30,100

**Dr. Forest Rohwer**
Cystic Fibrosis Research Inc: “New Horizons: Development of Tailocins Against Microbial Infections in Cystic Fibrosis Lungs,” $70,000


Prolacta Bioscience, Inc.: “Bacteriophages in Human Milk,” $201,000

The Gordon and Betty Moore Foundation: “Phage Symbiosis Gordon and Betty Moore Foundation,” $2,025,000

**Dr. Forest Rohwer and Dr. Naveen Vaidya**
National Science Foundation: “RAPID: Environmental Reservoirs of SARS-CoV-2,” $199,999

Dr. Mark Little sampling the urban environment for the COVID-19 sampling project
PIs: Forest Rohwer and Naveen Vaidya
Photo: Ph.D. student Marisa Rojas

**Dr. Anca Segall**
Virginia Polytechnic Institute and State University: “Integrative Genomics Approach to Computational Assessment of Threats (IGACAT),” $32,705

**Dr. Nicholas Shikuma**


Total: $199,999

Total: $32,705

Total: $426,551
Dr. Nicholas Shikuma and Dr. Robert Zeller  
**Total: $299,961**


Dr. Mark Sussman  
**Total: $480,310**


National Heart, Lung, and Blood Institute: “Regulation of Signal Transduction to Treat Heart Failure,” $376,250; “Resolving Myocardial Regeneration by Tracking Commitment of c-Kit+ cells-Echeagaray-Bredesen,” $73,044

A CardioCluster is composed of three cell types, c-Kit+ cardiac interstitial cells shown in green, endothelial progenitor cells shown in blue, and mesenchymal stem cells shown in red.

PI: Mark Sussman  
Photo: Megan Monsanto

Dr. Xiaofeng Xu  
**Total: $37,500**

UT-Battelle LLC: “Data Model Integration for Methane (CH4) at the S1 Bog and CH4 Module Incorporation into the Energy Exascale Earth System Model,” $37,500

Dr. Ricardo Zayas  
**Total: $457,023**

National Institute of General Medical Sciences: “Molecular Mechanisms Underlying Sensory Neuron Regeneration and Function,” $435,573

Expression of polycystic kidney disease 1-like 2 (white) in sensory neurons prominent in the head of the planarian Schmidtea mediterranea (cell nuclei were stained with DAPI in blue)

PI: Ricardo Zayas  
Photo: Dr. Kelly Ross, Zayas Lab

Medical Energetics USA, Inc.: “The Effect of Magnetic Fields on Stem Cell Based Tissue Regeneration in Planarians,” $21,450

Dr. Robert Zeller  
**Total: $654,780**

National Science Foundation: “Notch Mediated Lateral Induction and Inhibition the Ascidian Peripheral Nervous System,” $654,780
Awards Received July 1, 2019 - June 30, 2020

Mr. Thomas Zink
ACS Habitat Management: “San Clemente Island (SCI) IR Site 2 Out-Planting,” $16,634

**Chemistry & Biochemistry**

**Dr. Bernt Mikael Bergdahl, Dr. Regis Komperda, and Dr. Byron Purse**
National Science Foundation: “Mentored Pathways from Community College to Graduate School and Chemistry Careers,” $1,768,107

**Dr. Sanford Bernstein and Dr. William Tong**
National Institute of General Medical Sciences: “SDSU Initiative for Maximizing Student Development (SDSU IMSD),” $529,847

**Dr. Jeffrey Gustafson**
National Institute of General Medical Sciences: “MIRA: Atropisomerism as a Means to Increase Target Selectivity and as Inspiration for New Chemistry,” $376,250; “The Catalyst Controlled Regioselective C-H Functionalization of Arenes and Heterocycles,” $455,000

**Dr. Christopher Harrison**

**Dr. Gregory Holland**

**Dr. Tom Huxford**
California Metabolic Research Foundation: “Enzyme Regulation, Lipid and Carbohydrate Metabolism,” $60,000
University of Nebraska Medical Center: “Development of Quinoxaline-Based IKKbeta Inhibitors for Kras Driven Cancers,” $52,680

**Dr. Tom Huxford and Dr. William Stumph**
California Metabolic Research Foundation: “Arne N. Wick Predoctoral Research Fellowship Naduni Paranagama,” $45,000

**Dr. Byron Purse**
American Chemical Society: “Synthesis and Photophysics of the DEA-tCc Fluorescent Nucleoside Analogue - J. Cizmik,” $5,000

**Dr. Christal Sohl**
American Cancer Society: “Mechanisms of Isocitrate Dehydrogenase Variants in Cancer,” $792,000
Undergraduate students, Sati Alexander, Giovanni Quichocho, and Alexandra Strom at the SACNAS in Hawaii.
PI: Christal Sohl

Dr. Manal Swairjo  
University of Florida: “Study of Queuosine Salvage and Function in Eukaryotes; a Forgotten Micronutrient,” $121,000

Dr. William Tong  
American Chemical Society: “2019 Festival Grant,” $750; “Georgia: Travel Grant for National Meeting,” $1,250
Government of Georgia: “Graduate Stipend for SDSU-Georgia Chemistry Program,” $40,000

Dr. Yong Yan  
Department of Energy National Renewable Energy Laboratory: “Center for Hybrid Organic-Inorganic Semiconductors for Energy,” $125,000
National Science Foundation: “Hybrid Halide Perovskite Materials for Photocatalytic Carbon-Carbon Bond Formation,” $249,487

Total: $374,487

Computer Science

Dr. Jose Castillo and Dr. Bing Zhu  
The Henry Ford: “Web Archiving Service,” $12,284

Dr. Shangping Ren  
National Science Foundation: “Request for TTP Supplement,” $55,000

Total: $67,284

Dr. Marie Roch  
Human Frontier Science Program Organization: “Communication and the Coordination of Collective Behavior Across Spatial Scales in Animal Societism,” $145,975

Total: $716,935
Awards Received July 1, 2019 - June 30, 2020

Dr. Wei Wang


Total: $216,000

Geological Science

Dr. Allen Gontz and Dr. Thomas Rockwell

University of Southern California: “Collection of Very High-Resolution Aerial Imagery For Assessment of Creep on the Southernmost San Andreas Fault,” $20,000

Total: $20,000

Dr. Shuo Ma

University of Southern California: “Validation of Broadband Ground Motion from Dynamic Rupture Simulations,” $25,000; “Validation of Broadband Ground Motion from Dynamic Rupture Simulations: Towards Better Characterizing Seismic Hazard for Engineering Applications,” $27,999

Total: $52,999

Dr. Jillian Maloney

University of Southern California: “Evolution of the San Diego Bay Pull-Apart Basin,” $20,483

Total: $20,483

Dr. Kim Olsen


Willis Limited: “Enhanced Loss Calculation Based on 3D Ground Motion Calculations (Continuation),” $75,000

Total: $210,748

Dr. Kim Olsen and Dr. Daniel Roten

California Geological Survey: “Estimation of Site Amplification from California Strong Motion Instrumentation Program (CSMIP) Geotechnical Array Data using Neural Networks,” $49,999

University of Southern California: “Development and Optimization of Iwan Model in Discontinuous Mesh Finite Difference Code AWP-ODC-GPU,” $32,000

Total: $81,999

Dr. Thomas Rockwell

University of Southern California: “Testing Structural Model Predictions Against Geodetic Data in the Western Transverse Ranges, Southern California,” $15,000

Total: $15,000

Dr. Daniel Roten

University of Southern California: “Hero-run San Andreas Scenario Simulation with Iwan-type Nonlinearity (SCEC #20166),” $34,371

Total: $34,371

Dr. Stephen Schellenberg

California State University San Francisco: “Faculty-Led Curricular Design for Student Achievement in the CSU,” $157,750

Total: $151,750
Math & Statistics

Dr. Janet Bowers, Dr. Michael O'Sullivan, and Dr. Chris Rasmussen  Total: $57,112
National Science Foundation Resources: “Collaborative Research: Engagement in Mathematics through an Institutional Network for Active Learning,” $57,112

Dr. Jerome Gilles  Total: $41,553

Dr. Fred Goldberg  Total: $165,491
California State University San Marcos: “A Model of Educational Transformation: Developing A Community of Faculty Implementing Next Generation Physical Science and Everyday Thinking,” $165,491

Dr. Youngjoon Hong  Total: $8,400
Simons Foundation: “Numerical Studies of Nanoplasmonics and Solar Thermophotovoltaics in Layered Structures,” $8,400

Dr. Mary Pilgrim, Dr. Daniel Reinholz, and Dr. William Zahner  Total: $1,271,684
National Science Foundation: “Collaborative Research: Math Persistence through Inquiry and Equity (MPIE),” $1,271,684

Dr. Daniel Reinholz  Total: $239,313
National Science Foundation: “CAREER: Data Analytics for Equity: Supporting STEM Faculty to Address Implicit Bias in the Classroom,” $239,313

Dr. Antoni Luque Santolari  Total: $98,099
National Science Foundation: “Characterization and Prediction of Viral Capsid Architectures Geometries,” $98,099

Dr. Osvaldo Soto  Total: $59,488

Dr. Naveen Vaidya  Total: $179,990
National Science Foundation: “Mathematical Modeling of Antiretroviral Therapy in Pursuit of HIV Prevention and Cure,” $179,990

Dr. Naveen Vaidya compares prediction of mathematical and computational models
PI: Naveen Vaidya
Dr. William Zahner  
National Science Foundation: “CAREER: Fostering Productive and Powerful Discussions among Linguistically Diverse Students in Secondary Mathematics,” $200,229

Dr. Calvin Johnson  
University of North Carolina-Chapel Hill: “Nuclear Theory for Double-Beta Decay and Fundamental Symmetries,” $20,000
University of Wisconsin-Madison: “Quantum Computing for Nuclear Matrix Elements for Tests of Fundamental Symmetries,” $55,000

Dr. Kenneth Nollett  
U.S. Department of Energy: “Quantum Monte Carlo and Fewer-body Approaches to Scattering, Reactions, and Related Properties of Nuclei,” $51,000

Psychology

Dr. Nader Amir  
Florida State University: “Attention Training to Modify Error-related Negativity (ERN) and Risk for Anxiety in Adolescence,” $308,332
Rogers Behavioral Health: “Information Processing Bias in Obsessive-Compulsive Disorder (OCD),” $100,000

Dr. Aaron Blashill  
National Center on Minority Health and Health Disparities: “A Brief, Peer Co-Led, Group-Based Eating Disorder Prevention Program for Sexual Minority Young Adult Men,” $558,239

Dr. Aaron Blashill and Dr. Kristen Wells  
National Institute of Mental Health: “Suicide Prevention for Sexual and Gender Minority Youth,” $714,957

Dr. Ruth Carper  
Autism Speaks: “Age-related Changes in Myeloarchitectonics Across Adulthood in Autism Spectrum Disorder – J. Kohli,” $70,000
Simons Foundation: “Characterizing Topographically Variable Dysplasias in Individuals with Autism Spectrum Disorders (ASDs),” $162,728

Dr. Sheila Castaneda  
University of California at San Diego: “1/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” $53,363

Dr. Thereasa Cronan  

Dr. Inna Fishman  
Autism Speaks: “Neural Correlates of Socioeconomic Status, Language Ability, and Autism Symptoms in Early Childhood - L. Olson,” $70,000; “Organization of Auditory Cortex and its Links to Language Outcomes in Young Children with Autism Spectrum Disorder (ASD) - B. Chen,” $40,000
National Institute of Mental Health: “Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder,” $454,474
Dr. Linda Gallo

Children's Mercy Kansas City: “Characterization of Sedentary Patterns and Cardiovascular Disease Risk Markers in Hispanics/Latinos,” $268,787

Scripps Research Institute: “Dulce Digital-ME: An Adaptive mHealth Intervention for Underserved Hispanics with Diabetes,” $185,186

Scripps Research Institute: “Scripps Research Translational Institute,” $52,664


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),” $112,889

Dr. Linda Gallo and Dr. Scott Roesch

Scripps/Whittier Institute for Diabetes: “Medical Assistant Health Coaching for Diabetes in Diverse Primary Care Settings,” $291,848

Dr. Linda Gallo, Dr. Scott Roesch, and Dr. Gregory Talavera

Scripps/Whittier Institute for Diabetes: “Mi Puente: My Bridge to Better Cardio-Metabolic Health and Well-Being,” $231,603

Dr. Phillip Holcomb

National Science Foundation: “Effect of Learning Mode on Mechanisms Underlying Second Language Vocabulary Acquisition in Adults - G. Meade,” $46,000

Phillip Holcomb and Dr. Katherine Midgley


Dr. Keith Horvath

National Institute of Mental Health: “PrEP iT! A Pilot Test of a Mobile Peer Support Intervention to Optimize PrEP Adherence and Retention in PrEP Care,” $379,097

National Institute on Drug Abuse: “A Technology-Delivered Peer-to-Peer Support ART Adherence Intervention for HIV+ Adults,” $732,057

University of California at San Diego: “LinkPositively: A Technology-Delivered Peer Navigation and Social Networking Intervention to Improve HIV Care Across the Continuum for Black Women Affected by Interpersonal Violence,” $74,093
Awards Received July 1, 2019 - June 30, 2020

University of Miami: “Supporting Treatment Adherence for Resilience and Thriving (START),” $334,801

University of Michigan: “Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Coordinating Center (TERA Project),” $29,196


University of Pennsylvania: “Reducing HIV Vulnerability Through a Multilevel Life Skills Intervention for Adolescent Men,” $20,502

Dr. Emily Kappenman Total: $15,390
University of California at Davis: “Yearly Workshop in the Event-Related Potential Technique,” $15,390

Dr. Ruth Keehn Total: $195,916
National Institute of Mental Health: “Impact of Multisensory Function on Symptomatology in Young Children with Autism Spectrum Disorders (ASD),” $195,916

Dr. Vanessa Malcarne Total: $77,157
American Psychological Association: “Recruitment, Retention, and Leadership Initiatives for Diverse Doctoral Trainees,” $3,000

Regents of the University of California: “Creating Scientists to Address Cancer Disparities,” $70,157

Rheumatology Research Foundation: “Measurement Equivalence of the English and French Versions of the Self-Efficacy to Manage Chronic Disease (SEMCD) Scale: A Scleroderma Patient-Centered Intervention Network Study,” $4,000

Dr. Ksenija Marinkovic Total: $216,334
National Institute on Alcohol Abuse and Alcoholism: “Neurocognitive Deficits and Compensation in Binge Drinkers,” $216,344

Dr. Georg Matt Total: $5,862
Cincinnati Children’s Hospital: “An Intervention to Reduce Second Hand Smoke Exposure among Pediatric Emergency Patients,” $5,862

Dr. Sarah Mattson Total: $484,566
National Institute on Alcohol Abuse and Alcoholism: “A Multisite Neurobehavioral Assessment of Fetal Alcohol Spectrum Disorders - Diversity Supplement,” $484,566

Colorful brain shows the inflated cortical surface of one of our participants obtained with FreeSurfer, a software package that has been developed for the purpose of analyzing and visualizing brain scans. PI: Ksenija Marinkovic
Awards Received July 1, 2019 - June 30, 2020

**Dr. Eileen Moore**
National Institute on Alcohol Abuse and Alcoholism: “Brain Maturation in Adults with Fetal Alcohol Spectrum Disorders (FASD),” $653,608; “Brain Structure in Adults with Fetal Alcohol Spectrum Disorders (FASD) - Diversity Supplement,” $65,151
Total: $718,759

**Dr. Ralph Axel Mueller**
National Science Foundation: “Too Much Information: Neural Mechanisms of Efficient Filtering - L. Mash,” $46,000
Total: $1,307,381

**Dr. Claire Murphy**
National Institute on Aging: “Olfactory and Visual Dysfunction as Potential Predictors of Preclinical Alzheimer's Disease,” $589,615
Total: $589,615

**Dr. Edward Riley**
Blue Resonance LLC: “Development of a Novel Mobile Application to Assist in the Diagnosis of Fetal Alcohol Syndrome (FAS),” $107,862
National Institute on Alcohol Abuse and Alcoholism: “Administrative Core of the Collaborative Initiative on Fetal Alcohol Spectrum Disorders (CIFASD),” $428,830; “International Conferences on Fetal Alcohol Spectrum Disorder,” $35,000
Total: $571,692

**Dr. Edward Riley and Dr. Susan Tapert**
National Institute on Alcohol Abuse and Alcoholism: “Alcohol Research in the Science/Practitioner Model,” $337,194; “Congresses of the International Society for Biomedical Research on Alcoholism,” $74,502
Total: $411,696

**Dr. Scott Roesch**
University of California at Davis: “2/2 Effectiveness of a Multi-Level Implementation Strategy for Autism Spectrum Disorders (ASD) Interventions,” $23,315
Total: $23,315

**Dr. Gregory Talavera**
National Heart, Lung, and Blood Institute: “Hispanic Community Health Study/Study of Latinos (HCHS/SOL),” $2,613,195
Northern California Institute for Research and Education: “Non-Alcoholic Fatty Liver Disease and Cardiovascular Disease in Hispanics/Latinos,” $218,698
Regents of the University of California: “Randomized Control Trial to Reduce Sitting Time in Postmenopausal Latina Women at Increased Risk for Heart Disease,” $65,718
University of California at San Diego: “Mechanisms of Disparities in Adverse Neurocognitive Outcomes among Hispanics Aging with HIV,” $183,555
University of Illinois: “Persistent Organic Pollutants, Endogenous Hormones and Diabetes in Latinos,” $3,443
Total: $3,458,505

48

**Dr. Dustin Thoman**

Total: $259,117

National University: “Motivate Lab - Precision Institute Collaboration,” $185,000

University of Wisconsin-Madison: “Promoting Motivation in Undergraduate Biology and Chemistry Courses,” $74,117

**Dr. Jennifer Thomas**

Total: $549,314


**Dr. Kristen Wells**

Total: $134,371

Moffitt Cancer Center: “A Stepped-Care Psychosocial Intervention for Brain Tumor Family Caregivers,” $27,776

University of Texas Health Science Center at San Antonio: “Translation and Refinement of Colorectal Cancer Screening Measures in English and Spanish,” $750

University of Virginia: “Diversity Supplement - SCH:INT: Collaborative Research: Multiscale Modeling and Intervention for Improving Long-Term Medication,” $23,144; “Smart and Connected Health (SCH):INT: Collaborative Research: Multiscale Modeling and Intervention for Improving Long-Term Medication,” $82,701
Awards Received July 1, 2019 - June 30, 2020

ACADEMIC AFFAIRS
Dr. Salvador Hector Ochoa, Provost

Division of Academic Engagement & Student Achievement

Dr. Jessica Barlow
City of La Mesa: “Sage Project: City of La Mesa Climate Action Plan,” $15,000

Total: $74,873

Students visited La Mesa as part of their work on a housing design project; Allyson Kinnard, Senior Planner for the City of La Mesa, right, led the visit.

PI: Jessica Barlow
Photo: Kristofer Patrón-Soberano, SDSU Sage Project Program Administrator

National Institute on Deafness/Other Communication Disorders: “Speech Sound Disorder in Young Bilingual Children- P. Combiths,” $34,873

San Diego State University: “The Sage Project and SDSU Mission Valley,” $25,000

Instructional Technology Services

Dr. Sean Hauze
Sinclair Community College: “The STEM Guitar Project,” $42,942

Total: $42,942
Awards Received July 1, 2019 - June 30, 2020

BUSINESS & FINANCIAL AFFAIRS

Ms. Jessica C. Rentto

California Office of Emergency Services: “SDSU Campus Sexual Assault Response Program,” $200,000

Total: $200,000
GEORGIA CAMPUS
Dr. Halil Guven, Dean

Office of the Dean

Dr. Halil Guven
Millennium Challenge Account – Georgia: “Georgia Regional Development Fund (GRDF), Cohort 2 and 3, 3rd and 4th years,” $2,693,000

Total: $2,693,000
Awards Received July 1, 2019 - June 30, 2020

GRADUATE AND RESEARCH AFFAIRS
Dr. Stephen Welter, Vice President

Dr. John Crockett

Dr. Stephen Welter
Department of Interior United States Geological Survey: “California Water Science Center and Ecological Research Center,” $153,365

San Diego State University: “Grant and Research Enterprise Writing Institute,” $101,215

Total: $1,073,989

Total: $254,580
Awards Received July 1, 2019 - June 30, 2020

IMPERIAL VALLEY CAMPUS
Dr. Gregorio Ponce, Dean

Dr. Suzanna Fuentes-Ferreiro

AMCO International Education Services, LLC: “English Language Skills (ELS) Certification,” $910,035

Imperial County Department of Social Services: “Basic Computer & Interpersonal Skills & Employment Empowerment Training,” $615,213; “Medical Administrative Assistant 2019,” $118,800; “Migrant Summer Institute,” $147,537

Total: $1,791,585
Awards Received July 1, 2019 - June 30, 2020

KPBS – EDUCATIONAL RADIO AND TELEVISION

Mr. Thomas Karlo, General Manager

Ms. Monica Medina
California HealthCare Foundation: “Health Care Policy Reporting 20-21,” $124,000
City of San Diego Commission for Arts & Culture: “One Book One San Diego,” $42,484
James Irvine Foundation: “KPBS Social Equity Beat,” $110,000
Public Radio Exchange (PRX): “PRX Catapult,” $60,000
San Diego State University: “KPBS eXPLORE,” $325,000; “MACP: Community Heroes 2019,” $80,000; “MACP: Non-PBS, Content Desk, On the Line, Quality of Life,” $495,000

Ms. Monica Medina and Mr. Vince Petronzio
WGBH: “WGBH - American Experience "The Vote"," $10,000

Mr. Vince Petronzio

Total: $1,236,484

Total: $10,000

Total: $3,550,889
Awards Received July 1, 2019 - June 30, 2020

OFFICE OF THE PRESIDENT

Ms. Rachel Gregg

Total: $15,782
Awards Received July 1, 2019 - June 30, 2020

SDSU WORLD CAMPUSS

Dr. Radhika Seshan, Dean

Office of the Dean

Dr. Radhika Seshan

Aichi University: “2019 Fall,”; “2019 Summer,”

Asia University – Japan: “2019 Fall, 2020 Spring.”; “Spring, 2020 Summer,”

BELA Education Group: “2019 Fall, 2020 Spring.”

Beijing Hecate Center of Cultural Communication: “2019 Summer,”; “2020 Spring,”

DWGHEUC LLC: “2019 Fall,”

Gunma University: “2020 Spring.”

Gyeongbuk Provincial College: “2019 Summer,”

Hosei University: “2019 Fall,”

K-Tube Technologies: “Lean Enterprise,”

Kyung Hee University: “2020 Spring,”

Meiji Gakuin University: “2019 Fall,”

Miyazaki International College: “2018 Fall,”; “2019 Fall,”

Ritsumeikan Asia Pacific University: “2019 Fall,”

St Petersburg State University: “2019 Summer,”; “2019 Summer,”

Taylor Guitars: “Lean Enterprise,”

Tokai University: “2019 Fall,”

UCC Center South Korea: “2019 Summer,”

UNIVentures, Inc: “Digital Marketing,”

University of Tsukuba: “2019 Fall,”; “2020 Spring,”

Total: $762,814
Awards Received July 1, 2019 - June 30, 2020

STUDENT AFFAIRS
Ms. Christy Samarkos, Interim Vice President

Dr. Jennifer Rikard
International Town & Gown Association: “Great Plays Grant,” $10,000
Total: $10,000

Dr. Antionette Marbray
San Diego Housing Commission: “Guardian Scholars Program,” $200,000
Total: $200,000

Ms. Erica Aros
California Department of Rehabilitation: “Workability IV,” $96,000
Total: $96,000

Dr. James Lange
The Ohio State University: “Directorship: Higher Education Center for Alcohol and Drug Misuse Prevention and Recovery,” $52,506; “Engaging Community Partners to Reduce Collegiate Alcohol Impaired Driving FY 2020,” $109,774
Total: $162,280
Awards Received July 1, 2019 - June 30, 2020

INTERDISCIPLINARY PROGRAMS

Dr. Mounah Abdel-Samad and Dr. Brian Adams
Lucky Duck Foundation: “Affordable Housing and NIMBYism,” $25,000

Dr. Guadalupe X. Ayala, Dr. Jose Castillo, Dr. Kee Moon, and Dr. Adela de la Torre
National Center on Minority Health and Health Disparities: “Building Capacity and Infrastructure for Population Health and Health Disparities Research at San Diego State University,” $2,000,000

Dr. Guadalupe X. Ayala and Dr. Kristen Wells
National Center on Minority Health and Health Disparities: “SDSU HealthLINK Center for Transdisciplinary Health Disparities Research,” $3,866,740

Dr. Jessica Barlow and Dr. Sonja Pruitt
National Institute on Deafness/Other Communication Disorders: “Manipulating Linguistic Complexity to Improve Child Language Treatment Outcomes,” $183,499

Dr. Jose Castillo, Dr. Dustin Thoman, and Dr. Satchi Venkataraman
National Science Foundation: “Academic Support, Career Training, and Professional Development to Improve Interdisciplinary Graduate Education for the Next Generation of Computational Scientists and Engineers,” $1,000,000

Dr. Richard Cripps and Dr. Hala Madanat
National Cancer Institute: “2/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” $1,129,165

Dr. John Elder and Dr. Paul Gilbert
University of California at San Diego: “San Diego Resource Center for Advancing Alzheimer's Research in Minority Seniors,” $152,404

Dr. Aaron Elkins, Dr. Lance Larson, and Dr. Bongsik Shin

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

Dr. Laura Hall, Dr. Sonja Pruitt, and Dr. Yasemin Turan-Qian
U.S. Department of Education Office of Special Education Programs: “Project Mainsail - M.A. Degree Interdisciplinary Preparation for Speech-language and Early Intervention Leaders in Autism Spectrum Disorders (ASD),” $249,698

Dr. Felisha Herrera Villarreal and Dr. Dustin Thoman
National Science Foundation: “Understanding and Removing Faculty Barriers for the Adoption and Implementation of Proven Interventions: Supplement,” $146,185

Dr. Eunha Hoh and Dr. Georg Matt
Cincinnati Children’s Hospital: “Assessment, Detection, and Validation of Clinical Associations of Thirdhand Smoke Exposure,” $135,555

Dr. Eunha Hoh, Dr. Georg Matt, and Dr. PJE Quintana
Cincinnati Children’s Hospital: “Contribution of Thirdhand Smoke to Overall Tobacco Smoke Exposure in Pediatric Patients,” $266,276
Dr. Meredith Houle, Dr. Lisa Lamb, Dr. Susan Nickerson, Dr. Randolph Philipp, Dr. David Pullman, and Dr. Donna Ross
National Science Foundation: “Advancing Teacher Leadership in Urban Schools (ATLUS): The SDSU Noyce Mathematics and Science Master Teaching Fellowship Program,” $2,999,825

Dr. David Kamper, Dr. Neil Klepeis, Dr. James Lange, and Dr. Katherine Spilde
California Department of Public Health: “Impact of Nonsmoking Constraints on Tribal Casino Operations,” $249,999

Dr. Atsushi Nara and Dr. Tianying Wu
University of California at San Diego: “Integrating Novel GIS and GPS Data to Assess the Impact of Built Environments on Changes in BMI, Physical Activity and Cancer-related Biomarkers in two Successful Weight Loss Interventions in Women at Risk for Breast Cancer,” $4,000