Awards Received
July 1, 2018 - June 30, 2019

COLLEGE OF ARTS & LETTERS
Dr. Norma Bouchard, Dean

Office of the Dean

Dr. Norma Bouchard
Total: $36,482
County of San Diego Office of Financial Planning: “Confucius Institute,” $10,000

University of California Office of the President: “International Studies Education Project of San Diego (ISTEP) - CSMP State,” $26,482

Dr. Christopher Brown and Dr. Mathias Schulze
Total: $2,541,734

The Institute of International Education: “Language Acquisition Resource Center at San Diego State University Project GO,” $350,000; “Language Training Center,” $1,273,246


University of California Office of the President: “California Subject Matter Project – CSMP,” $17,500; “Every Student Succeeds Act – ESSA,” $34,200

Dr. Glen McClish
Total: $56,000
County of San Diego Office of Financial Planning: “Interactive Chinese Calligraphy Machine and Chinese Bell Set,” $56,000

Dr. Atsushi Nara
Total: $99,991

Anthropology

Dr. Matthew Lauer
Total: $165,583
University of California at Santa Barbara: “Multi-Scale Dynamics of Coral Reef Fisheries: Feedbacks Between Fishing Practices, Livelihood Strategies, and Shifting Dominance of Coral and Algae,” $165,583

Dr. Seth Mallios
Total: $30,664
California Environmental Protection Agency: “South Coastal Information Center,” $9,999

California Office of Historic Preservation: “2018-2019 South Coastal Information Center Historic Resources (SCIC),” $1,000

Pauma Band of Luiseno Indians: “GIS Data Maintenance Pauma,” $19,665
SDSU undergraduates Shannon Farnsworth (left) and Caeli Gibbs (right) uncover numerous artifacts in the primary trash dump area of the Nathan Harrison site on Palomar Mountain.

Photo: Robb Hirsch
PI: Seth Mallios

### Economics

**Dr. Jennifer Imazeki**
University of California at Berkeley: “Transforming College Teaching: Statewide Implementation of the Faculty Learning Program,” $49,077

**Dr. Joseph Sabia**

Troesh Family Foundation: “Center for Health Economics & Policy Studies Health & Public Policy Projects,” $245,000

### European Studies

**Dr. Clarissa Clo**
Institute of Italian Culture: “Online Elementary Italian Courses,” $3,316

### Geography

**Dr. Li An**

SDSU undergraduate spring scholar Inka Cresswell conducting fieldwork at Fanjingshan National Nature Reserve, China.

Photo: Michael Cassidy
PI: Li An
### 2018-2019 SDSU Awards Listing

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Project Title</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Trent Biggs</td>
<td>Southern California Coastal Water Research Project</td>
<td>“Application of Stable Isotope Techniques to Identify Inputs from Local and Imported Water Sources in Non-Stormwater Flows from the MS4,”</td>
<td>$7,073</td>
</tr>
<tr>
<td>Dr. Trent Biggs and Dr. Fernando De Sales</td>
<td>University of Montana</td>
<td>“CNH-L: The Sociohydrological System of a Tropical Forest Frontier: Land-Climate-Water Feedbacks and Farmer Adaptation,”</td>
<td>$369,057</td>
</tr>
</tbody>
</table>

![Project team at the 2019 SDSU inception workshop. PIs: Trent Biggs, Fernando De Sales](image)

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Project Title</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Thomas Herman</td>
<td>Esri Inc</td>
<td>“Coordination of Statewide Student GIS Mapping Competition,”</td>
<td>$1,000</td>
</tr>
<tr>
<td></td>
<td>San Diego Unified School District</td>
<td>“Evaluation of School-Age Prevention and Early Intervention Program Central”</td>
<td>$44,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Evaluation of School-Age Prevention and Early Intervention Program in Central Southeastern Region,”</td>
<td>$44,000</td>
</tr>
<tr>
<td></td>
<td>South Bay Community Services</td>
<td>“Creating a Culture of Hope and Healing for Traumatized Latino Children,”</td>
<td>$21,750</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Evaluation of CalWORKs Home Visiting Program,”</td>
<td>$5,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Evaluation of First 5 Targeted Home Visiting Program for South Bay Community Services,”</td>
<td>$42,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“Evaluation of School-Age Prevention and Early Intervention Program in South Region of San Diego County,”</td>
<td>$100,123</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“South Region Evaluation: First 5-Healthy Development Services for Children,”</td>
<td>$83,344</td>
</tr>
<tr>
<td>Dr. Pascale Marcelli</td>
<td>U.S. Department of Agriculture</td>
<td>“Systems Analysis of Hydroponic, Aquaponic, and Aeroponic Food Production (HAAFP) in Six U.S. Cities,”</td>
<td>$164,837</td>
</tr>
<tr>
<td>Dr. Douglas Stow</td>
<td>U.S. Department of Defense Army Corps of Engineers</td>
<td>“Follow-on Study: Shrub Cover Monitoring and Sensitivity Analyses of Vegetation Community Maps for San Clemente Island,”</td>
<td>$226,861</td>
</tr>
<tr>
<td></td>
<td>National Science Foundation</td>
<td>“Landscape-Level Measurements of and Controls on Wildfire Spread Rates,”</td>
<td>$48,160</td>
</tr>
<tr>
<td></td>
<td>National Aeronautics and Space Administration</td>
<td>“Uncoupling Fire and Drought Impacts on Chaparral - E. Storey,”</td>
<td>$40,390</td>
</tr>
<tr>
<td>Dr. Ming-Hsiang Tsou</td>
<td>University of California at San Diego</td>
<td>“GIS and Data Visualization Enhancement with the Data Mart Infrastructure in the California Teachers Study (CTS),”</td>
<td>$78,951</td>
</tr>
</tbody>
</table>
Awards Received July 1, 2018 - June 30, 2019

**Latin American Studies**

**Dr. Ramona Perez**

Tinker Foundation Inc: “SDSU/Tinker Foundation Field Research Grants for Latin America,” $10,000

**Political Science**

**Dr. Lei Guang**

University of California at San Diego: “China Data Lab: Understanding China’s Changing Politics, Society and Economics in the Information Age,” $68,968; “Making Effective Policy Toward China by Understanding China’s Internal Political Dynamics,” $67,469

**Religious Studies**

**Dr. Risa Levitt**

Israel Institute: “Visiting Israeli Professor” $63,468

Peace conference simulation in Luba Levin-Banchik's Arab-Israel Relations: Past and Present class.

PI and photo: Risa Levitt

**Spanish and Portuguese Languages and Literatures**

**Dr. Ricardo Vasconcelos**

Camoes Institute: “Support for SDSU Portuguese Program — Teaching and Research,” $11,268
Awards Received July 1, 2018 - June 30, 2019

**COLLEGE OF BUSINESS ADMINISTRATION**  
Dr. Lance Nail, Dean  
Management Information Systems

<table>
<thead>
<tr>
<th>Name</th>
<th>Total Amount</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Aaron Elkins</td>
<td>$21,166</td>
<td>U.S. Department of Defense Office of Naval Research: “Building the Foundation for Navy Augmented Reality Supported Maintenance,” $21,166</td>
</tr>
<tr>
<td>Dr. Alex DeNoble</td>
<td>$13,216</td>
<td>Ilia State University: “Entrepreneurship Training Program,” $13,216</td>
</tr>
<tr>
<td>Dr. John Francis</td>
<td>$15,000</td>
<td>City of San Diego: “Small Business Enhancement Program FY 2019 Grant Application,” $15,000</td>
</tr>
<tr>
<td>Dr. Martina Musteen</td>
<td>$630,000</td>
<td>U.S. Department of Education Office of Postsecondary Education: “Center for International Business Education &amp; Research (SDSU CIBER),” $630,000</td>
</tr>
</tbody>
</table>
Awards Received July 1, 2018 - June 30, 2019

COLLEGE OF EDUCATION
Dr. Y. Barry Chung, Dean
Office of the Dean

Dr. Y. Barry Chung  Total: $4,086,364
Price Philanthropies Foundation: “College Avenue Compact,” $1,576,269; “College Avenue Compact - Parent Center at Rosa Parks,” $323,266; “College Avenue Compact - Rosa Parks & Monroe Clark Social Work Programs,” $418,827; “College Avenue Compact - Wilson Middle School Students Advocates,” $78,000; “School in the Park Aide,” $983,180
San Diego State University: “College Avenue Compact - Staff Support,” $378,040
University of California Office of the President: “California Global Education Project Statewide Office California Subject Matter Project,” $172,895; “California Global Education Project Statewide Office Every Student Succeeds Act,” $135,887; “International Studies Education Project of San Diego (ISTEP) – No Child Left Behind,” $20,000

Administration, Rehabilitation, and Postsecondary Education

Dr. Charles Degeneffe  Total: $378,976
U.S. Department of Education Office of Special Education/Rehabilitation Services: “Rehabilitation Long-Term Training Program-Vocational Rehabilitation Counseling,” $200,000
San Diego State University: “Master of Science in Rehabilitation Counseling (CDER),” $178,976

Dr. Felisha Herrera Villarreal  Total: $1,483,589
National Science Foundation: “Building Capacity: Undergraduate STEM Transitions, Experiences, and Mobility,” $1,483,589

Dr. Marjorie Olney  Total: $149,999

Dr. Caren Sax  Total: $6,126,609
American Samoa Government Department of Education: “Comprehensive Statewide Needs Assessment (CSNA),” $7,913
Association for Learning Environments: “A4LE,” $23,460
California Department of Developmental Services: “Exceptional Family Resource Center Department of Developmental Services,” $589,996

Dr. Felisha Herrera Villarreal (right) with HSI-STEM research team members
Photo: Felisha Herrera Villareal
Awards Received July 1, 2018 - June 30, 2019

California Department of Education: “Exceptional Family Resource Center Family Empowerment Center 18/19,” $255,481

California Department of Rehabilitation: “Cal Promise Initiative: California’s Proposal for Promoting the Readiness of Minors in Supplement Security Income,” $602,492

California Employment Development Department “RETAIN Demonstration Project,” $1,440,556

Colorado Department of Labor and Employment: “Customized Employment and Discovery Training, and CE Certification for Selected Agencies in Colorado,” $23,030

U.S. Department of Education Office of Special Education/Rehabilitation Services: “Workforce Innovation Technical Assistance Center (WITAC),” $2,169,116

Down Syndrome Association: “Exceptional Family Resource Center: Down Syndrome Association of San Diego Family Support Services 18/19,” $15,000

Idaho Division of Vocational Rehabilitation: “Customized Employment Training - Idaho VR's Portion,” $11,484; “Idaho Division of Vocational Rehabilitation - Comprehensive Statewide Needs Assessment,” $45,010

Iowa Department of Administrative Services: “Iowa Department for the Blind Comprehensive Statewide Needs Assessment,” $49,147

Nevada Department of Employment Training and Rehabilitation: “E/Rehab Website Upgrade, Hosting and Maintenance,” $17,404

Poway Unified School District: “Exceptional Family Resource Center Poway Alternative Dispute Resolution 18/19,” $10,000

Rady Children’s Hospital San Diego: “High School SUCCESS: Vocational Soft Skills Program for Transition-Age ASD Youth,” $22,763

San Diego County Office of Education: “Exceptional Family Resource Center Resolutions for Student Success 18/19,” $70,000

San Diego County Superintendent of Schools: “18/19 Exceptional Family Resource Center Early Start Referral Services,” $25,671

San Diego State University: “Bachelors of Arts Degree in Liberal Arts and Sciences with a Major in Interdisciplinary Studies in Three Departments,” $99,001

San Diego/Imperial Counties Developmental Services Inc: “17/18 EFRC Spanish Phone Calls/Faxes & English Faxes,” $20,379; “2019 Exceptional Family Resource Center Spanish Phone Calls/Faxes & English Faxes,” $79,092


Wyoming Department of Workforce Services: “Wyoming Comprehensive Statewide Needs Assessment,” $39,992

Yosemite Community College District: “Disabled Student Programs Services Technical Assistance 18/19,” $425,009
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. Frank Harris and Dr. Marissa Vasquez Urias  
Total: $18,000  
Napa Valley College: “Community College Equity Assessment Lab - Napa Valley College,” $18,000

Dr. Frank Harris, Dr. Marissa Vasquez Urias, and Dr. J. Luke Wood  
Total: $225,000  
Cabrillo College: “Community College Equity Assessment Lab - Cabrillo Community College,” $75,000  
College Futures Foundation: “Advancing Educational Equity for Community College Men of Color,” $150,000

Dr. Kelsey Dickson  
Total: $168,472  
National Institute of Mental Health: “Adapting an ASD Executive Functioning Intervention for Implementation in Children’s Mental Health Services,” $168,472

Dr. Sarah Garrity  
Total: $10,688  
Price Philanthropies Foundation: “Family Child Care Provider Focus Groups,” $9,173  
YMCA of San Diego County: “San Diego CARES Program,” $1,515

Dr. Lisa Linder  
Total: $10,000  
Price Philanthropies Foundation: “Center for Excellence in Early Development (CEED) - Healthy Early Years Clinic,” $10,000

Dr. Karen Myers-Bowman  
Total: $1,065  
YMCA of San Diego County: “San Diego CARES Program,” $1,065

Dr. Sarah Rieth  
Total: $905,164  
U.S. Department of Education Institute of Education Sciences: “Examining the Efficacy of Project ImPACT for Toddlers,” $754,360  
University of California at San Diego: “Reducing Disparities in Early Identification and Intervention for Traditionally Underserved Children and Families,” $150,804

Dr. Rachel Schlagel  
Total: $60,727  
Palo Alto Veterans Institute for Research: “Improving and Sustaining Delivery of Cognitive Processing Therapy for PTSD in Mental Health Systems,” $22,352

Child & Family Development

Dr. Sarah Rieth  
Total: $754,360  
U.S. Department of Education Institute of Education Sciences: “Examining the Efficacy of Project ImPACT for Toddlers,” $754,360

University of California at San Diego: “Reducing Disparities in Early Identification and Intervention for Traditionally Underserved Children and Families,” $150,804

Dr. Rachel Schlagel  
Total: $22,352  
Palo Alto Veterans Institute for Research: “Improving and Sustaining Delivery of Cognitive Processing Therapy for PTSD in Mental Health Systems,” $22,352
Awards Received July 1, 2018 - June 30, 2019

University of California at San Diego: “Clinic for Child and Youth Psychiatry (CCYP) Evaluation,” $38,375

Counseling & School Psychology

Dr. Tonika Green
U.S. Department of Education Office of Special Education/Rehabilitation Services: “Trauma Leaders Consortium (TLC): Fostering Positive Outcomes for Students with Disabilities in Foster Care,” $249,996

TLC Scholars participate in a workshop on supporting high school foster youth at Mission Hills High School facilitated by Susan Martinez, School Counselor and Former Grant Scholar.

Dr. Jennica Paz and Dr. Carol Robinson-Zanartu
U.S. Department of Education Office of Special Education/Rehabilitation Services: “Partnering to Unify Education Services for Dual Language and English Learners (PUEDE!),” $250,000

Dr. Carol Robinson-Zanartu
U.S. Department of Education Office of Special Education/Rehabilitation Services: “The Native American and Indigenous Scholars Collaborative (NAISC),” $250,000

Dual Language and English Learner Education

Dr. Cristina Alfaro
California Department of Education: “Binational Teacher Preparation,” $49,999

Dr. Alberto Esquinca

University of Texas El Paso: “Broadening Participation in Engineering: A Qualitative Study on Latina/o Persistence in and Beyond the Degree,” $21,380

Dr. Margarita Machado-Casas
Butte County Office of Education: “Development and Implementation: Online Credential Program,” $60,000

Dr. Saul Maldonado
California Association for Bilingual Education: “Evaluation of California Association for Bilingual Education Binational Project GLAD,” $1,386
Awards Received July 1, 2018 - June 30, 2019

U.S. Department of Education Office of Postsecondary Education: “Developing Effective Bilingual Educators with Resources,” $749,068

**Educational Leadership**

<table>
<thead>
<tr>
<th>Dr. Douglas Fisher</th>
<th>Total: $1,590,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Stuart Foundation: “Principal Preparation and Support 2017,” $200,000</td>
<td></td>
</tr>
<tr>
<td>The Wallace Foundation: “University Principal Preparation Initiative 2018 – 2020,” $1,390,000</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Joseph F. Johnson, Jr</th>
<th>Total: $1,592,954</th>
</tr>
</thead>
<tbody>
<tr>
<td>America’s Finest Charter School: “School Leadership Support - America’s Finest Charter School,” $10,000</td>
<td></td>
</tr>
<tr>
<td>Fallbrook Union High School District: “School Leadership Support,” $5,000</td>
<td></td>
</tr>
<tr>
<td>Iftin Charter School: “High-Performing Schools Equity Audit,” $26,000</td>
<td></td>
</tr>
</tbody>
</table>


Integrity Charter School: “Professional Services Integrity Charter School,” $25,000


Kern County Superintendent of Schools: “Kern County Superintendent of Schools School & District Leadership Support,” $8,750


San Diego County Office of Education: “Improving Educational Equity for African American and English Learners,” $57,000

San Diego State University: “College of Extended Studies Course Development,” $20,000

South Bay Union School District: “South Bay Unified School District School & District Professional Learning Networks, South Bay Union School District,” $100,000

<table>
<thead>
<tr>
<th>Dr. Vicki Park</th>
<th>Total: $31,088</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spencer Foundation: “Co-constructing Continuous Improvement for Equity and Excellence: The Role of Adaptive Assistance Partners for Organizational Learning in Low-Performing Schools,” $31,088</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Ian Pumpian</th>
<th>Total: $1,175,697</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Diego Regional Center for the Developmentally Disabled: “Creative Support Alternatives - Supported Living,” $1,175,697</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Ian Pumpian and Dr. Caren Sax</th>
<th>Total: $1,312,552</th>
</tr>
</thead>
</table>
Valley Mountain Regional Center: “Creative Support Alternatives: Independent Living Services Program 2019,” $140,661

Special Education

Dr. Regina Brandon and Dr. Estella Chizhik
California State University Office of the Chancellor: “The Garden PLOT: General and Special Education Teacher Co Planning, Co-Learning, Co-Operating and Co-Teaching in Classrooms to Grow All Students,” $12,000

Dr. Laura Hall
Texas Tech University: “U.S. PREP Tier II Membership Silver Giving,” $75,000

Dr. Laura Hall and Dr. Bonnie Kraemer
University of North Carolina-Chapel Hill: “Efficacy Follow up Study of Center on Secondary Education for Students with ASD Intervention,” $150,492

Dr. Laura Hall and Dr. Yasemin Turan-Qian
U.S. Department of Education Office of Special Education/Rehabilitation Services: “Project PIPELINES - Preparing Intervention Personnel as Early Learning Navigators using Evidence-based Strategies,” $149,879

Dr. Bonnie Kraemer and Dr. Katina Lambros Ortega

Dr. Jessica Suhrheinrich
National Institute of Mental Health: “Evaluation of Implementation Factors for ASD Services in School Settings,” $181,368

Marin County Office of Education: “Improving Outcomes for Students with Autism and Related Developmental Disabilities by Scaling the Use of Evidence Based Practice,” $66,774

University of California at Davis: “Exploring Multi-level System Factors Facilitating Teacher Training and Implementation of Evidence Based Practice,” $107,347

Teacher Education

Dr. Estella Chizhik and Dr. Laura Hall
Texas Tech University: “3D Ed Prep 4 All,” $25,000

Dr. Lisa Lamb
University of California Office of the President: “Mathematics Professional Development for Statewide Gear Up Project,” $41,429

Dr. Lisa Lamb and Dr. Melissa Soto

Dr. Cynthia Park
California Department of Education: “Upward Bound Summer Residential Program 2018,” $2,662,152

Awards Received July 1, 2018 - June 30, 2019

San Diego Unified School District: “SDUSD Pathways Tutoring Program,” $102,497

University of California at San Diego: “Health Careers Opportunities Program / San Diego Regional Consortium,” $135,000

Dr. Donna Ross
California State University San Francisco: “Western Regional Noyce Alliance,” $39,174

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

Dr. Rafaela Santa Cruz
San Diego State University: “California Subject Examination for Teachers Math & Science Subtests,” $6,000

Dr. Emily Schell
California Dedicated to Education Foundation: “California Global Education Project Services to California Model Global Education Programs,” $2,500

San Diego County Office of Education: “Global Education for History-Social Science,” $3,000

Ten Strands: “California International Studies Project Environmental Literacy Grant,” $60,000

Total: $39,174
Total: $6,000
Total: $65,500
Awards Received July 1, 2018 - June 30, 2019

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),” $250,964

Dr. Eugene Olevsky
University of California Office of the President: “Math, Engineering, Science Achievement (MESA) Oracle Summer Program,” $8,688; “Math, Engineering, Science Achievement (MESA) MESA Schools Program (MSP),” $360,000

Total: $368,688

Aerospace

Dr. Ahmad Bani Younes
American Astronautical Society: “John V. Breakwell Student Travel Award,” $1,000

NASA Jet Propulsion Laboratory: “Parallel Propagation Techniques that Leverage Modern Computing for Improved Spacecraft Navigation,” $22,000

Texas A&M Engineering Experiment Station: “Efficient and Parallel Implementation of Modified Chebyshev Picard Iteration Integrating Perturbed Orbital Motion,” $65,000

Total: $88,000

Risk reduction hardware-in-the-loop experiments for spacecraft Guidance, Navigation, and Control (GNC) functions using a small-scale 3DOF of experimental attitude platform
PI and photo: Ahmad Bani Younes

Dr. Gustaaf Jacobs
National Science Foundation: “NAHOMCon: North American High Order Methods Conference,” $25,000

University of Southern California: “Control of Lagrangian Coherent Structures at Stagnation and Separation Location on Airfoils,” $102,451

Total: $127,451

Dr. Xiaofeng Liu

National Science Foundation: “An International Travel Proposal to Attend the 13th International Symposium on Particle Image Velocimetry (ISPIV),” $4,531

Total: $26,331
Jose Moreto, a graduate student in the SDSU/UCSD joint doctoral program, adjusts the lens aperture setting for the high-speed camera used for the test section freestream turbulence characterization survey in the newly built SDSU water tunnel lab. PI and photo: Xiaofeng Liu

Dr. Ping Lu


Dr. Satchi Venkataraman

National Aeronautics and Space Administration: “NASA Fellowship,” $165,000

Civil & Environmental Engineering

Dr. Thais Alves
Construction Industry Institute: “Challenges and Opportunities to Promote Collaborative Scheduling in Construction Projects,” $78,397

Dr. Robert Dowell
General Dynamics NASSCO: “Swage Bulkhead Details Study,” $145,308

Dr. Temesgen Garoma
Metropolitan Water District of Southern California: “A New Approach for Seawater Desalination,” $10,000

Dr. Sahar Ghanipoor-Machiani and Dr. Arash Jahangiri
San Jose State University Foundation: “Impact of Right-of-way Adaptation to Automated Vehicles on Driver Behavior; A Narrow AV-exclusive Lane on an Existing Smart Freeway,” $74,999

Virginia Polytechnic Institute and State University: “Safety through Disruption (Safe-D) University Transportation Center (UTC),” $233,402
2018-2019 SDSU Awards Listing

Safe-D Center project on I-15 Automated Vehicle-Exclusive Lane
PIs: Sahar Ghanipoor-Machiani, Arash Jahangiri
Photo: Sahar Ghanipoor-Machiani

Dr. Alicia Kinoshita Total: $265,263
National Science Foundation: “Coupling Post-fire Vegetation and Volumetric Sediment Regimes in Urban Mediterranean Systems,” $226,083

Dr. Natalie Mladenov Total: $212,115

Dr. Matthew Verbyla Total: $304,996
National Science Foundation: “IRES: U.S. -Brazil Engineering and Social Science Collaboration: Expanding Perspectives on Water, Power, and Sustainability,” $300,000
Trussell Technologies: “Human-associated HF183 Bacteroides 16S rRNA Genetic Marker at North City Water Reclamation Plant and the Pure Water Facility.” $4,996

Professor Matt Verbyla (right) with Brazilian collaborators who presented at the Global Water Sustainability Symposium at SDSU
PI: Matthew Verbyla
Awards Received July 1, 2018 - June 30, 2019

Mr. Thomas Zink
U.S. Department of Defense Army Corps of Engineers: “Dune Enhancement to Support the California Least Tern and Western Snowy Plover at the Silver Strand Training Complex, Naval Base Coronado, California,” $60,000; “San Clemente Island Botanical Program Implementation, NALF San Clemente Island, Naval Base Coronado, California,” $368,719

Total: $428,719

Dr. Baris Aksanli
CSU Fullerton Auxiliary Services Corporation: “GE Digital CSU Innovation Design Challenge,” $2,000

National Science Foundation: “Distributed Bayesian Learning and Safe Control for Autonomous Wildfire Detection,” $75,000

Total: $77,000

Dr. Madhu Gupta

Total: $127,880

Dr. Ke Huang
California State University Office of the Chancellor: “An Eco-driving System for Connected Automated Vehicles Based on Multi-Objective Trajectory Optimization,” $74,877

Innophase Inc. “Optimization of Semiconductor Manufacturing Process Based on Data Mining,” $27,706

Total: $102,583

Dr. Sunil Kumar

Total: $450,000

Dr. Chunting Mi
U.S. Department of Energy Argonne National Laboratory: “High Power Wireless Charging System,” $70,000


Total: $404,052

Checking restoration project process
Photo: Laura Hernandez
PI: Tom Zink
Awards Received July 1, 2018 - June 30, 2019

Snova Intelligent Technology LTD: “Development of State of Charge and State of Health Algorithms for 48V Hybrid Battery Packs,” $110,000

University of Michigan: “Planning Grant: Engineering Research Center for Comprehensive Energy Storage Solutions in Electrified Transportation (CESSET),” $7,000

Dr. Yusuf Ozturk
National Science Foundation: “I-Corps: Ambient Sleep Architecture Monitor,” $50,000

Total: $50,000

Dr. Satish Sharma

Total: $179,916

Dr. Lal Tummala
Department of California Highway Patrol: “Testing Services for Police Traffic Radar and Laser Speed Measuring Devices,” $369,979

Total: $369,979

Mechanical Engineering

Dr. Asfaw Beyene

Total: $257,224

Dr. Subrata Bhattacharjee
National Aeronautics and Space Administration: “Residence Time Driven Flame Spread Over Solid Fuels,” $100,000

Total: $100,000

Dr. Joaquin Camacho

Total: $79,999

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

Total: $150,000

Dr. Samuel Kassegne
University of Washington: “National Science Foundation Engineering Research Center for Neurotechnology (CNT),” $311,371

Total: $311,371

Dr. Parag Katira

National Science Foundation: “Collaborative Research: Heterogeneous Cancer Cell Mechanics Differentially Drives Mechanosensing and Migration,” $191,607; “Collaborative Research: Understanding the Interplay Between Mechanical and Stress Hormone Signaling,” $223,965

Total: $440,036

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,” $27,000

Total: $27,000

Dr. Fletcher Miller
San Diego State University: “ARPA-E Focus Project Post-Doc,” $13,518

Total: $13,518
Awards Received July 1, 2018 - June 30, 2019

<table>
<thead>
<tr>
<th>Name</th>
<th>University/Program/Project</th>
<th>Total:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Kee Moon</td>
<td>Kagoshima University: “International Academic Cooperation Program,” $7,500</td>
<td>$72,600</td>
</tr>
<tr>
<td>Dr. Khaled Morsi</td>
<td>Sejong University South Korea: “Winter Program at SDSU,” $65,100</td>
<td>$26,208</td>
</tr>
<tr>
<td>Dr. Peiman Naseradinmousavi</td>
<td>Universal Technical Resource Services Inc. “Spark Plasma Extrusion of Titanium Wire,” $26,208</td>
<td>$230,377</td>
</tr>
<tr>
<td>Dr. Eugene Olevsky</td>
<td>National Science Foundation: “Collaborative Research: Decentralized Adaptive and Extremum Seeking Control of High-Degree of Freedom Manipulators with Image Processing,” $230,377</td>
<td>$449,971</td>
</tr>
<tr>
<td>Dr. George Youssef</td>
<td>U.S. Department of Energy: “Field-Assisted Sintering: Thermal and Non-Thermal Factors of Controlled Non-Equilibrium,” $150,000</td>
<td>$613,382</td>
</tr>
<tr>
<td></td>
<td>University of California Office of the President: “2018-2019 MESA Engineering Program (MEP),” $10,000; “Math, Engineering, Science Achievement (MESA) MESA Schools Program (MSP),” $180,000</td>
<td></td>
</tr>
</tbody>
</table>

Experimental deep learning to a) detect 3D positions of objects through HSV-based scanning, b) determine orientation (angle) of an object, and c) generate obstacle avoidance trajectory. PI and photo: Peiman Naseradinmousavi

Dr. George Youssef
NASA Jet Propulsion Laboratory: “Integrated Multifunctional 3D-Printed Space Structures,” $18,499
Awards Received July 1, 2018 - June 30, 2019

COLLEGE OF EXTENDED STUDIES
Dr. Radhika Seshan, Dean
Office of the Dean

Dr. Radhika Seshan
Aichi University: “2018 Fall,“
Asia University – Japan: “2018 Fall to 2019 Spring,”; “2019 Spring to 2019 Summer,“
BELA Education Group: “2018 Fall to 2019 Spring,”
CETYS Universidad: “Global Leadership,”
Can Achieve – China: “2019 Spring”
Gunma University: “2019 Spring,”
Gyeongbuk Provincial College: “2018 Summer,”
Hosei University: “2018 Fall,”
Oita University: “2018 Fall,”
Providence University – Taiwan: “2019 Spring,”
Tokai University: “2018 Fall,”
Toyo Eiwa Jogakuin University: “2018 Fall,”; “2019 Spring,”
UCC Center South Korea: “2018 Summer,”; “2019 Spring Grp 2,”; “2019 Spring Grp1,”
UNIVentures, Inc: “Digital Marketing,”

American Language Institute

Ms. Barbara Bass
Institute of International Education: “Three-Week English for Graduate Studies Programs for Fulbright Foreign Students,” $122,332; $125,676
Awards Received July 1, 2018 - June 30, 2019

COLLEGE OF HEALTH & HUMAN SERVICES
Dr. Steven Hooker, Dean
Office of the Dean

Dr. Steven Hooker
Total: $17,304
Stanford University: “The HOMBRE Trial: Comparing Two Innovative Approaches to Reduce Chronic Disease Risk Among Latino Men,” $17,304

Middle-age African American men in the Active & Healthy Brotherhood program participating in a group walk along a river trail.
PI and photo: Steven Hooker

Exercise & Nutritional Science
Total: $73,206
Dr. Harsimran Baweja, 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,” $73,206

Dr. Surabhi Bhutani, Dr. Mee Young Hong, Dr. Shirin Hooshmand, Dr. Mark Kern, Dr. Changqi Liu, and Dr. Amanda McClain
U.S. Department of Agriculture: “CFP19 Caribbean School Nutrition @SDSU,” $49,081

Dr. Michael Buono
Total: $141,817
Avacen Inc: “Effect of Combined Hand Warming and Negative Pressure on Blood Glucose and Blood Pressure,” $32,064
Leidos Inc: “Development of a Regression Equation Using Exercise Heart Rate Responses in Thermoneutral and Hot Environments,” $109,753

Dr. Antoinette Domingo
Total: $5,000
U.S. Tennis Association: “Wheelchair Tennis Grassroots Grant,” $5,000
SDSU’s team took second place in the 2019 USTA Wheelchair Tennis Collegiate National Championships.
Credit: SDSU Adapted Athletics
PI and photo: Antoinette Domingo

Dr. Chukuka S. Enwemeka  
CareWear: “Effect of Blue Light on Propionibacterium Acnes: Time-kill Studies II,” $75,949

Dr. Mee Young Hong  
Total: $146,720
National Mango Board: “Effects of Fresh Mango Pulp Consumption on Satiety and Cardiometabolic Health: A Randomized, Cross-over, Double-blind, Placebo-controlled Clinical Trial,” $146,720

Dr. Mee Young Hong, Dr. Shirin Hooshmand, Dr. Mark Kern, Dr. Changqi Liu  
Total: $60,000
National Watermelon Promotion Board: “Effects of Whole Blenderized Watermelon Consumption on Satiety and Digestive Health in Overweight/Obese Children,” $60,000

Dr. Shirin Hooshmand and Dr. Mark Kern  
Total: $80,250
California Dried Plum Board: “Effect of Dried Plum on Bone and Markers of Bone Status in Osteopenic Men,” $65,000
Leidos Inc: “Analysis of High-resolution Peripheral Quantitative Computed Tomography Images,” $15,250

Dr. Changqi Liu  
Total: $33,299
California State University Los Angeles: “Improving the Functionalities and Applications of Rice Protein Ingredients,” $17,284
Southern California Section Institute of Food Technologists: “Inhibition of Enzymatic Browning During Protein Isolation from Mealworm (Tenebrio molitor) Larvae,” $14,006
Trex Company, Inc.: “Amandin Detection in Wood and Composite Decking,” $2,009

Professor Liu (right) with undergraduate student Shruti Shertukde who presented results of the 2018 SDSU Summer Undergraduate Research Grant.
PI: Changqi Liu
Awards Received July 1, 2018 - June 30, 2019

Dr. Eric Post
Far West Athletic Trainers Association: “Prevalence and Consequences of Sport Specialization in Little League Baseball Players,” $3,000

Public Health

Dr. Elva Arredondo
Total: $1,260,205
National Cancer Institute: “2/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” $1,192,031
RAND Corporation: “Linking Churches with Parks to Increase Physical Activity Among Latinos,” $45,424
Venture Well: “Faith in Action,” $21,750
Washington University: “Fed Implementation Pilot,” $1,000

Dr. Lisa Asmus
Total: $219,777

Dr. Guadalupe X. Ayala
Total: $35,739
Seattle Children’s Hospital & Regional Medical Center: “Parents as Peer Interventionists in Treatment for Pediatric Weight Management,” $35,739

Dr. Stephanie Brodine
Total: $23,156
Indian Health Council: “Student Development Project (IHC-SDP),” $19,000; “Native American Research Centers for Health Core,” $8,156
University of California at San Diego: “Centers of Excellence,” $15,000

Dr. Eric Buhi
Total: $595,174
National Center for HIV, STD and TB Prevention: “A Community-Based Participatory Approach for Reducing STDs among Latino Youth in South Bay, San Diego,” $306,470

Dr. Jerel Calzo
Total: $59,851
Boston Children's Hospital: “Mechanisms of Health Promotion in Diverse Youth through Gay-Straight Alliances,” $59,851

Dr. Sheila Castaneda
Total: $316,449
Regents of the University of California: “Biopsychosocial and Ecological Correlates of Latina Women’s Sedentary Behavior,” $156,404
University of California at San Diego: “1/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” $51,780; “Evaluating a Mindfulness-Based Intervention for Diverse Prehypertensive Women,” $108,265
Awards Received July 1, 2018 - June 30, 2019

**Dr. Zohir Chowdhury and Dr. PJE Quintana**

**Total: $73,680**

Casa Familiar: “The San Ysidro Air Monitoring Network: Expanding the Model Community-to-Community,” $61,680

University of Washington: “San Ysidro Port-Of-Entry Community Air Study,” $12,000

**Dr. Heather Corliss**

**Total: $76,206**

California Tobacco-Related Disease Research Program: “At the Intersection of Social Inequity: Tobacco Use Disparities Among Diverse LGBTQ Adolescents,” $76,206

**Dr. Noe Crespo**

**Total: $9,784**

University of California at San Diego: “Natural History of Pediatric Nonalcoholic Fatty Liver Disease,” $9,784

**Dr. Tracy Finlayson**

**Total: $700,397**

National Institute of Dental and Craniofacial Research: “Developing an Oral Health Behavior Social Support Scale for Mexican-Origin Adults,” $677,851

University of California at San Francisco: “BEhavioral EConomics for Oral Health iNnovation (BEECON),” $22,546

**Dr. Tracy Finlayson and Dr. Corinne McDaniel**

**Total: $95,460**

San Diego County Health and Human Services Agency: “Local Oral Health Program - CNA&E - 19/20,” $95,460

**Dr. Eunha Hoh**

**Total: $148,714**

California Sea Grant College Program: “Assessing Marine Endocrine Disrupting Chemicals in the Critically Endangered California Condor: Implications for Reintroduction to Coastal Environments,” $120,714

Kleinfelder Inc: “Non-Targeted Identification of Trace Organics in Treated Wastewater,” $20,000

University of Texas Health Science Center at Houston: “Tobacco Smoke Exposure Analysis in Breast Milk at NICU,” $4,500

University of Texas Medical Branch: “Thirdhand Smoke Contamination in a Neonatal Intensive Care Unit (NICU),” $3,500

**Dr. Eunha Hoh and Dr. PJE Quintana**

**Total: $373,240**

California Tobacco-Related Disease Research Program: “Measuring and Reducing Exposure to Thirdhand Smoke,” $373,240

**Dr. Melbourne Hovell**

**Total: $7,508,376**

California Department of Health Services: “Women, Infants and Children,” $7,508,376
Awards Received July 1, 2018 - June 30, 2019

Dr. Susan Kiene
National Institute of Mental Health: “Enhanced Linkage to HIV Care Following Home-Based HIV Testing in Rural Uganda - Diversity Supplement I.N. Ogbonnaya,” $194,079
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,” $191,422

Dr. Susan Kiene and Dr. Elizabeth Reed

Dr. Brandy Lipton
University of Maryland: “Do School-based Health Services Reduce Academic and Behavioral Inequalities Among Youth?” $23,622

Dr. Hala Madanat
Save a Life Foundation: “Development of Professional Education Program for Primary Care Practitioners on Sudden Cardiac Arrest Prevention in Youth,” $54,500
University of California at San Diego: “Moores Cancer Center CancerDAT - Additional Indicators,” $22,000; “UCSD Moores Cancer Center: P30 Cancer Center Support Grant Catchment Area Population Health Assessment,” $137,667

Dr. Eyal Oren
California Tobacco-Related Disease Research Program: “A Randomized Cross-over Clinical Trial of Unfiltered Cigarettes,” $640,403

Dr. Amy Pan
The Children's Initiative: “Data to Action - Reducing Child Injury and Death,” $16,229

Dr. Tanya Penn

Dr. PJE Quintana
Casa Familiar: “San Ysidro Air Monitoring Network Continuity – Supplemental Environmental Projects,” $12,000
University of California at San Francisco: “Impacts of Thirdhand Smoke on Public Health- TRDRP,” $14,021

Dr. Elizabeth Reed
Awards Received July 1, 2018 - June 30, 2019

Women's Empowerment International: “Girls Invest: An Innovative Financial Literacy and Savings-Based Program for Girls,” $10,000

Dr. Karilyn Sant
University of Massachusetts: “Toxicant Disruption of Receptor-Mediated Endocytosis in Oogenesis and Later Life Metabolic Dysfunction,” $21,070

Dr. Melody Schiaffino
University of California at San Diego: “Characterizing the Quality of Care for Cancer Patients with Co-occurring Dementia/Alzheimer’s Disease,” $30,000

Dr. Gregory Talavera

National Heart, Lung and Blood Institute: “Hispanic Community Health Study/Study of Latinos (HCHS/SOL),” $1,404,630

Regents of the University of California: “Randomized Control Trial to Reduce Sitting Time in Postmenopausal Latina Women at Increased Risk for Heart Disease,” $416,571
Awards Received July 1, 2018 - June 30, 2019

University of California at San Diego: “Effects of Avocado Intake on the Nutritional Status of Families,” $4,699; “UCSD Alzheimer's Disease Research Centers P30,” $30,100

University of Illinois: “Persistent Organic Pollutants, Endogenous Hormones and Diabetes in Latinos,” $3,443


Dr. Caroline Thompson
University of California at San Diego: “UC San Diego Clinical and Translational Research Institute,” $146,807

**Nursing**

Dr. Philip Greiner
Health Resources and Services Administration: “Geriatrics Workforce Enhancement Program,” $749,999

Dr. Philip Greiner, Dr. Hala Madanat, Dr. Jong Won Min, and Ms. Jennifer Tucker-Tatlow
Health Resources and Services Administration: “San Diego/Imperial Geriatric Education Center,” $861,244

**Social Work**

Ms. Jennifer Baum and Ms. Jennifer Tucker-Tatlow
California Department of Social Services: “ACL APS Training,” $277,000; “CDSS Child Welfare Training,” $6,520,345

County of Riverside Department of Public Social Services: “Riverside County New Practice 18/19,” $559,899

County of San Bernardino: “SB Children and Family Services,” $2,015,730

San Diego County Health and Human Services Agency: “Cultural Competency Academy FY 18/19,” $373,175

The Child and Family Policy Institute of California: “Child Welfare Practice Model Implementation 19/20,” $75,000

Ventura County: “Ventura Child Welfare Training FY 19/20,” $1,269,349
Awards Received July 1, 2018 - June 30, 2019

**Mr. Steven Hornberger**
Community Initiatives: “Breaking Barriers Symposium,” $31,275
Price Philanthropies Foundation: “Hoover Community Connections,” $10,000
San Diego State University: “SDSU Board Fellows Program,” $24,965
The San Diego Foundation: “Age Friendly Communities,” $69,000
Total: $135,240

**Dr. Eunjeong Ko**
University of California at San Diego: “1/2 SDSU/UCSD Cancer Center Comprehensive Partnership,” $69,242
Total: $69,242

**Dr. Jong Won Min**
California Association of DUI Treatment Programs: “Driving Under the Influence (DUI) Medication Assisted Treatment (MAT) Integration/Outreach Pilot Project,” $115,000
San Diego County Alcohol and Drug Services: “Driving Under the Influence Program (DUIP),” $2,484,926
University of California at Berkeley: “Mental Health Educational Stipend Program 2016-2021,” $111,750; “Title IV E Bachelors of Social Work Programs,” $2,926,760
Total: $5,686,392

**Ms. Jennifer Tucker-Tatlow**
California Department of Social Services: “ACL APS Training,” $78,000; “APS 2019,” $70,400, “CDSS APS 19/20,” $70,400
Casey Family Programs: “San Bernardino Org Health Series Training FY 18-19,” $12,174
Imperial County Department of Social Services: “Imperial Training & Coaching FY 18/19,” $67,188
National Adult Protective Services Association (NAPSA): “e-Learning APS Certificate Program,” $40,000
San Diego County Health and Human Services Agency: “Social Worker Training,” $1,019,008; “Workforce Education and Training: Training and Technical Assistance - Behavioral Health Training,” $1,620,069
The Child and Family Policy Institute of California: “Child Welfare Practice Model Implementation FY 18-19,” $75,000
Total: $3,052,239

**Speech, Language and Hearing Sciences**

**Dr. Jessica Barlow**
National Institute on Deafness/Other Communication Disorders: “Speech Sound Disorder in Young Bilingual Children- P. Combiths,” $33,877
University of California at San Diego: “Using Eye Tracking to Understand Speech Perception-production Relationships in Young Children,” $6,000
Total: $39,877

**Dr. Jessica Barlow and Dr. Sonja Pruitt-Lord**
National Institute on Deafness/Other Communication Disorders: “Manipulating Linguistic Complexity to Improve Child Language Treatment Outcomes,” $221,259
Total: $221,259

**Dr. Katina Blumenfeld and Dr. Stephanie Ries-Cornou**
Total: $25,000
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Funding Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arthur Boothroyd</td>
<td>University of California at San Diego</td>
<td>“A Realtime, Open, Portable, Extensible Speech Lab,” $71,717</td>
</tr>
<tr>
<td>Dr. Karen Emmorey</td>
<td>University of California at Irvine</td>
<td>“REU Supplement: American Sign Language - Lexicon,” $12,000</td>
</tr>
<tr>
<td>Dr. Tracy Love-Geffen</td>
<td>National Institute on Deafness/Other Communication Disorders</td>
<td>“Neurocognitive Approaches to Communication Disorders,” $199,243</td>
</tr>
<tr>
<td>Dr. Carol Mackersie</td>
<td>National Institute on Deafness/Other Communication Disorders</td>
<td>“Self-Fitting of Amplification: Methodology and Candidacy,” $516,319</td>
</tr>
<tr>
<td>Dr. Giang Pham</td>
<td>National Institute on Deafness/Other Communication Disorders</td>
<td>“Language-Literacy Growth in Vietnamese Children with and without Language Impairment,” $136,895</td>
</tr>
<tr>
<td>Dr. Sonja Pruitt-Lord</td>
<td>American Speech Language Hearing Association</td>
<td>“American Speech Language Hearing Association Board of Directors, National Student Speech Language Hearing Association Institutional Stipend,” $7,957</td>
</tr>
<tr>
<td></td>
<td>National Institute on Deafness/Other Communication Disorders</td>
<td>“Cross-Language Interactions During Word Learning in Bilingual Children with Typical and Atypical Language Development- I. Potapova,” $33,534</td>
</tr>
<tr>
<td></td>
<td>Price Philanthropies Foundation</td>
<td>“College Avenue Compact - Pilot Project for Preschool Intervention at Rosa Parks Elementary School,” $15,000</td>
</tr>
<tr>
<td>Dr. Stephanie Ries-Cornou</td>
<td>University of California at San Diego</td>
<td>“Cognitive Control of Word Retrieval in Speech Production Through Cortical Layers,” $15,600</td>
</tr>
<tr>
<td>Dr. Peter Torre</td>
<td>National Institute on Deafness/Other Communication Disorders</td>
<td>“The Association of Perinatal HIV Infection and Hearing Loss in Children of Cape Town, South Africa,” $328,466</td>
</tr>
</tbody>
</table>
Awards Received July 1, 2018 - June 30, 2019

Johns Hopkins University: “Multicenter AIDS Cohort Study - Part B (Baltimore Center),” $11,021

President & Fellows of Harvard College: “Pediatric HIV/AIDS Cohort Study (PHACS) Data and Operations Center (DOC),” $24,647

Tulane University: “Pediatric HIV/AIDS Cohort Study III (PHACS) Coordinating Center,” $12,164

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,” $30,095
Awards Received July 1, 2018 - June 30, 2019

COLLEGE OF PROFESSIONAL STUDIES & FINE ARTS
Dr. Donna Conaty, Interim Dean

Communication

Dr. Heather Canary, Dr. Tiffany Dykstra, and Dr. Kurt Lindemann  Total: $22,750

Journalism and Media Studies

Dr. Amy Schmitz-Weiss  Total: $15,000
Online News Association: “Building Interdisciplinary Education Curriculum between Science and Journalism Educators,” $15,000

Hospitality and Tourism Management

Mr. Gene Lamke  Total: $10,000
City of Coronado: “Campershps for Coronado Residents: Camp Able,” $10,000

Music & Dance

Dr. Scott Lipscomb  Total: $127,500
University of California Office of the President: “Southern California Arts Project (NCLB),” $75,500; “Southern Counties Arts Project (CSMP),” $52,000

Public Affairs

Dr. Bruce Appleyard  Total: $78,524
San Jose State University Foundation: “A Smart Growth Calculator for the Future of California’s Corridors, Stations and Complete Streets,” $76,574; “San Mateo County Home for All Case Study Project,” $1,950

Dr. Bruce Appleyard with undergraduate Faculty/Student Mentorship Program researchers at the Student Research Symposium where they presented their geo-designs plans for the new SDSU Mission Valley Campus. From left to right, Rebeca Pozos, Rica Perez, Tai Disla, Taylor Mosley, Rebeca Moreno, Dr. Bruce Appleyard
PI and photo: Bruce Appleyard
Awards Received July 1, 2018 - June 30, 2019

**Dr. Alan Mobley**
California State University San Francisco: “Project Rebound,” $69,821

**Dr. Reynaldo Rojo-Mendoza**

**Dr. Sherry Ryan**

**School, Theatre, TV, & Film**

**Mr. Robert Meffe**
National Alliance for Musical Theatre: “Til Death Do Us Part: Writers Residency Grant for Staged Reading,” $500

Cast and creative team of the new musical, ‘Til Death Do Us Part

PI: Robert Meffe
Awards Received July 1, 2018 - June 30, 2019

COLLEGE OF SCIENCES
Dr. Walt Oechel, Interim Dean (7/1/18-1/30/19)
Dr. Jefferey Roberts (1/31/19-6/30/19)

Office of the Dean

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

Total: $13,104

Dr. Catherine Atkins and Dr. Stanley Maloy

Total: $245,363

Dr. Susan Baxter
National Science Foundation: “Type II: California State University Innovation Site,” $100,000

University of Pennsylvania: “The Penn I-Corps Site - Integrating Company Formation and Experiential Education,” $50,000

Total: $150,000

Dr. Karen Campbell and Dr. Jose Castillo
California Department of Conservation: "Surface Expression Risk Assessment Physiography (SERAPh) for Midway Sunset Oil Field, San Juaquin Valley, California,” $122,449

Total: $122,449

Dr. Lance Larson

Willdan Group Inc: “Security Specialist,” $10,000

Total: $21,196

Dr. Estralita Martin
CSU Sacramento University Enterprises Inc: “California State University Louis Stokes STEM Pathways and Research Alliance (CSU-LSAMP) (2018-2023),” $45,250

Total: $45,250

Dr. Faramarz Valafar
National Institute of Allergy and Infectious Diseases: “Evolutionary and Functional Significance of Novel Mutations in MDR-XDR TB, ” $713,991

Total: $713,991

Astronomy

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


Total: $21,695

Dr. Eric Sandquist
National Science Foundation: “Mass and Age Standard Stars - Studying Timing Reliability in Cluster Territory (MASS-STRICT), ” $401,639

Total: $401,639

Dr. Allen Shafter

Total: $37,601
Awards Received July 1, 2018 - June 30, 2019

**Biology**

**Dr. Todd Anderson and Dr. Brian Hentschel**  
California Sea Grant College Program: “Ecologically Restorative Ranching of Purple Sea Urchins,” $9,868

**Dr. Nicholas Barber**  
Friends of Nachusa Grasslands: “Extending a Globally Unique Long-term Beetle Survey in Restored and Remnant Tallgrass Prairie,” $2,520

A herd of American bison at Nachusa Grasslands in northern Illinois. The Nature Conservancy introduced bison to Nachusa in 2014 as part of their efforts to restore the tallgrass prairie ecosystem.  
PI and photo: Nicholas Barber

**Dr. Sanford Bernstein**  
National Heart Lung and Blood Institute: “Structural and Biochemical Mechanisms of Myosin-induced Dilated Cardiomyopathy - A. Trujillo,” $31,704  
National Institute of General Medical Sciences: “Genetics and Molecular Biology of Striated Muscle Myosin,” $515,469

The Bernstein Lab  
PI: Sanford Bernstein (front row, second from left)
Awards Received July 1, 2018 - June 30, 2019

**Dr. William Boarman**
Upgrade Professional Solutions Corporation: “Analysis of Common Raven Data,” $14,320

**Dr. Andrew Bohonak**
Department of the Interior United States Geological Survey: “Genetic Connectivity in the California Freshwater Shrimp (Syncaris Pacifica),” $49,000

**Dr. Kevin Burns**
National Science Foundation: “Collaborative Research: Admixture Mapping of a Hybrid Zone to Test Tinbergen’s Emancipation Hypothesis,” $45,000

**Dr. Ted Cranford**

**Dr. Richard Cripps**
National Institute of General Medical Sciences: “Genetic Regulation of Muscle Fiber Diversity,” $324,911; “Genetic, Molecular and Computational Analysis of MEF2 Function in Drosophila Myogenesis,” $261,223

**Dr. Matthew Edwards**
California Sea Grant College Program: “Minimizing Disturbance Impacts by California Vessel Mooring Systems on Living Rhodolith Benthos in Catalina MPAs: An Experimental Assessment,” $65,504

**Dr. Robert Edwards**
Department of Energy Lawrence Livermore National Laboratory: “Bacteriophage Genome Finishing and Phage Annotation Toolkit Evaluator (PhATE I) Development,” $60,000

**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; “Role of the SR/ER E3 Ubiquitin Ligase Synoviolin 1 in Cardiac Hypertrophy,” $414,382; $38,132; “The Adaptive Cardiac Sensor, ATF6, Regulates ANP Secretion and Decreases Hypertensive Stress- E. Blackwood,” $33,025

University of Cincinnati: “Molecular Mechanism of Hypertrophic Cardiomyopathy in South Asian Descents,” $15,228

**Dr. Natalie Gude and Dr. Mark Sussman**
National Heart Lung and Blood Institute: “Resolving Myocardial Regeneration by Tracking Commitment of C-Kit+Cells,” $376,250

**Dr. Marshal Hedin**

**Dr. Carrie House**
National Cancer Institute: “Role of NF-kB Signaling in Supporting Ovarian Cancer Tumor-initiating Cells Responsible for Cancer Recurrence,” $249,000
Dr. Carrie House (left) and SDSU senior, Zinia Sarwar, discuss western blots to evaluate NF-kB proteins in ovarian cancer stem cell populations
PI and photo: Carrie House

Dr. Kevin Hovel
California Sea Grant College Program: “A Multifaceted Approach to Enhance the Sustainability of the California Spiny Lobster Fishery,” $249,169

Dr. Megan Jennings and Dr. Rebecca Lewison
Calgary Department of Transportation: “Caltrans Connectivity Workshop Support,” $8,369
California Strategic Growth Council: “Connected Landscapes for Climate-Resilient Southern California Communities and Ecosystems,” $1,187,629

Lewison lab masters candidate, Emma Tomaszewski, supervises the aerial survey helicopter path.
Photo: Kylie Curtis
Pls: Megan Jennings and Rebecca Lewison
Dr. Marina Kalyuzhnaya
Auburn University: “Harnessing Methanotroph-Photoautotroph Interactions for Biogas Conversion to Fuels and Chemicals Using Binary Consortia” $35,000

BHP Billiton Limited: “Improving Methane Capturing via Enhanced Biofiltration based on Living Emission Abolish Filters (LEAFs),” $71,785; “Travel for LEAFs, Living Emission Abolish Filters for Coal-Mine Methane Mitigation,” $12,020

Intrexon Corporation: “Intrexon Training Grant,” $100,000

National Science Foundation: “Microbial Conversion of Greenhouse Gases into Fermentation-Ready Sugars,” $55,000

Tradewater LLC: “Bacterial Production of Ectoine and Lipase: Coal Mine Methane Valorization,” $68,781

Dr. Scott Kelley
National Science Foundation: “Engaged Student Learning: Development of Active Learning Bioinformatics Education Apps for Mobile Technology,” $30,000


Dr. Rebecca Lewison
California Department of Fish and Wildlife: “California Least Tern Breeding Survey 2018,” $17,500

National Science Foundation: “Spatial Ecology of Wild Felids in the Context of a Fragmented and Rapidly Developing Landscape - G. Schmidt,” $46,000

National Aeronautics and Space Administration: “Supporting Climate-ready and Sustainable Fisheries: Using Satellite Data to Conserve and Manage Life in the Ocean and Support Sustainable Fisheries,” $314,053

University of California at Santa Barbara: “Center for Excellence and Diversity in Team Science (CREDITS),” $16,114

Dr. David Lipson and Mr. Thomas Zink
National Aeronautics and Space Administration: “NASA SSFL Replacement Soil Testing,” $21,294

Dr. David Lipson, Dr. Walter Oechel and Dr. Donatella Zona
National Aeronautics and Space Administration: “Temporal and Spatial Patterns of and Controls on Arctic and Boreal Forest CO2 and CH4 Fluxes in the ABoVE Domain,” $219,771

Dr. Jeremy Long

U.S. Department of the Interior National Park Service: “Cooperative Research and Training Program Concerning the Resources of Cabrillo National Monument for Students at San Diego State University,” $17,026

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
Wendi White, research technician, attaches an agar plate to rocky shores to compare rates of herbivory between sites on the Channel Islands.
Photo: Ric DeSantiago
PI: Jeremy Long

Dr. Kathleen McGuire
Total: $15,056
Vaxiion: “Efficacy, Immune Mechanism(s), and Pharmacokinetic/Biodistribution Properties of Vaxiion’s Investigational Minicell Product Intended for use in Bladder Cancer,” $15,056

Dr. Luke Miller
Total: $162,184
National Science Foundation: “Collaborative Research: Context-Dependency of Top-down vs. Bottom-up Effects of Herbivores on Marine Primary Producers,” $70,158; “Collaborative Research: Effects of Multiple Aspects of Climate Change on Marine Biodiversity and Ecosystem Functioning,” $92,026

Sarah Mastroni, SDSU assistant professor Luke Miller, and Genevieve Bernatchez wait for the tide to drop in Sitka Alaska before sampling seawater chemistry in experimental tide pools.
Photo: Matt Bracken
PI: Luke Miller

Dr. Walter Oechel
Total: $81,624
University of California at Irvine: “Innovation Center for Advancing Ecosystem Climate Solutions,” $61,624

Dr. Walter Oechel and Dr. Samuel Shen
Total: $275,000
City College of New York: “Financial Assistance to Establish Four NOAA Cooperative Science Centers at Minority Serving Institutions,” $275,000

Dr. Walter Oechel and Dr. Donatella Zona
Total: $4,395
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,” $4,395
Awards Received July 1, 2018 - June 30, 2019

University of Montana: “Satellite Data Driven Model Assessment of Landscape Variability and Environmental Controls on the Arctic-Boreal Carbon Budget,” $20,000

**Dr. Joy Phillips**
University of Nebraska Medical Center: “EP67 - Based Targeted Mucosal Vaccines to Prevent Primary Infection with CMV,” $30,098

**Dr. Tod Reeder**
National Science Foundation: “Collaborative Research: Species delimitation, hybridization and the origin of parthenogenesis in whiptail lizards (Aspidoscelis),” $239,066

**Dr. Lluvia Flores Renteria and Dr. Sula Vanderplank**
U.S. Department of Agriculture: “Species with Binational Distributions as a Means for Engaging Hispanic Students into Forestry and Natural Resources,” $275,000

[Image of Dr. Sula Vanderplank collecting fruits from Ferocactus gatesii at one of the islands in Bahia de Los Angeles.]

**Dr. Forest Rohwer**
Cystic Fibrosis Research Inc: “Bacteriophage-mediated Spread of Virulence Factors in Cystic Fibrosis Microbiome,” $30,000; “New Horizons: Development of Tailocins Against Microbial Infections in Cystic Fibrosis Lungs,” $70,000

The Gordon and Betty Moore Foundation: “Development of Isothermal Calorimeter to Measure Marine Microbial Activity,” $7,500; “Investigator Award,” $222,500

**Dr. Anca Segall**
Virginia Polytechnic Institute and State University: “Integrative Genomics Approach to Computational Assessment of Threats (IGACAT),” $77,797

**Dr. Nicholas Shikuma**
Department of Defense Office of Naval Research: “Elucidating the Role of Tailocins in Microbes from the Human Gut,” $249,999

National Science Foundation: “Transcriptional Response of Coral Larvae to Known Metamorphosis-inducing Bacterial Product and its Implication for Natural Coral Repopulation - A. Alker,” $46,000
Awards Received July 1, 2018 - June 30, 2019

**Dr. Mark Sussman**

American Heart Association: “Lineage Contribution of Adult c-Kit+ Cardiac Progenitor Cells in Embryonic and Neonatal Development,” $26,844

CardioCreate: Next Generation Regenerative Therapy with Pim-1 Enhanced Cardiac Progenitor Cells,” $1,270

National Heart, Lung and Blood Institute: "Stemness" and Differentiation Potential Are Defined by Metabolism in Cardiac Progenitor Cells - D. Kubli,” $2,044; “Chromatin Content and Regenerative Potential of Cardiac Progenitor Cells - K. Broughton,” $2,008; “Regulation of Signal Transduction to Treat Heart Failure,” $376,250; “Resolving Myocardial Regeneration by Tracking Commitment of c-Kit+ cells O-Echeagaray-Bredesen,” $108,367

**Dr. Xiaofeng Xu**

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

**Mr. Thomas Zink**

ACS Habitat Management: “SCI IR Site 1 Out-Planting,” $11,300

California Department of Fish and Wildlife: “Rancho Jamul Grass Farm Project,” $13,923

Department of Defense Naval Facilities Engineering Command: “Dune Restoration at Naval Base Coronado,” $18,496

Department of Defense Space and Naval Warfare Systems Command: “Continued Effort on SPAWAR Natural Resources Research,” $2,401; “Processing 2018 GSOB/PHHB Specimens from Detachment Fallbrook,” $2,492

Department of Defense US Navy: “Naval Base Coronado Dune Restoration and Sensitive Plant Species Surveys,” $36,580

KMEA: “Grassland Restoration and Fire Management Plan Implementation Naval Auxiliary Landing Field San Clemente Island,” $55,063

San Diego River Conservancy: “Post-fire Restoration of the Del Cerro Reach of Alvarado Creek Smoke Tree,” $910,709

Judith Ann Wheatley: “Pond Turtle Habitat Restoration Plan and Site Preparation,” $24,998

**Chemistry & Biochemistry**

**Dr. Carl Carrano and Dr. Frithjof Kuepper**


**Dr. Andrew Cooksy and Dr. Douglas Grotjahn**

National Science Foundation Directorate for Mathematics and Physical Sciences: “Experimental and Computational Studies of Bifunctional Organometallic Catalysis,” $360,000

**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
Awards Received July 1, 2018 - June 30, 2019

**Dr. Douglas Grotjahn and Dr. Diane Smith**

**Dr. Gregory Holland**

National Aeronautics and Space Administration: “Increasing the Complexity of Life at Silica Nanostructured Interfaces,” $165,000

Graduate student Dillan Stengel instructs undergraduates Parmida Saadipour and Lauren Rivera on sample preparation for nuclear magnetic resonance spectroscopy
Photo: Debbie Brighton
PI: Gregory Holland

**Dr. Tom Huxford**
University of Nebraska Medical Center: “Development of Quinoxaline-Based IKKbeta Inhibitors for Kras Driven Cancers,” $51,100

**Dr. Tom Huxford and Dr. William Stumph**
California Metabolic Research Foundation: “Arne N. Wick Predoctoral Research Fellowship Avellaneda Matteo,” $43,000; “Funds for the Purchase of Two Benchtop Cell Culture Centrifuges and Rotors,” $20,492

**Dr. Regis Komperda**
National Science Foundation: “Collaborative Research: Building Assessment Capacity in Chemistry Education - The CHemistry Instrument Review and Assessment Library (CHIRAL) Project,” $249,316

**Dr. William Stumph**
California Metabolic Research Foundation: “Enzyme Regulation, Lipid and Carbohydrate Metabolism,” $80,000; “Matching Funds for The Purchase of a High-Speed Preparative Centrifuge and Rotor,” $27,000

**Dr. Manal Swairjo**
National Institute of General Medical Sciences: “RNA Modification: Structure and Mechanism,” $428,032

University of Florida: “Study of Queuosine Salvage and Function in Eukaryotes; a Forgotten Micronutrient,” $118,745

**Dr. William Tong**
American Chemical Society: 2019 Festival Grant,” $1,500; “Georgia: Activity Award for Summer Research,” $750

National Institute of General Medical Sciences: “SDSU Initiative for Maximizing Student Development (SDSU IMSD),” $529,847
Awards Received July 1, 2018 - June 30, 2019

**Dr. Yong Yan**

**Total: $201,289**


National Science Foundation: “Hybrid Halide Perovskite Materials for Photocatalytic Carbon-Carbon Bond Formation,” $126,289

**Computer Science**

**Dr. Leland Beck**

**Total: $299,466**

National Science Foundation: “Assessing Student Learning in CS1: Predictors of Success in Subsequent Courses,” $299,466

**Dr. Shangping Ren**

**Total: $105,527**

National Science Foundation: "National Science Foundation Cyber Physical Systems: Transition to Practice Option: Synergy: Collaborative Research: An Executable Distributed Medical Best Practice Guidance (EMBG) System for End-to-End Emergency Care from Rural to Regional Center Hospitals,” $89,527; $16,000

**Dr. Marie Roch**

**Total: $437,257**


**Geological Science**

**Dr. Steven Day**

**Total: $16,000**

University of Southern California: “Effect of Off-fault Inelasticity on Near-fault Directivity Pulses,” $16,000

**Dr. David Kimbrough**

**Total: $1,549**

National Science Foundation: “IRES: TRACK 1: RUI: Collaborative Research: The Permo-Triassic Choiyoi Silicic Large Igneous Province: Regional Volcanic Framework and Potential Impact on Global Climate Further Validation of a Dynamic Earthquake Model to Produce Realistic Near-Field Ground Motion,” $1,549

**Dr. Jillian Maloney**

**Total: $86,549**

California Sea Grant College Program: “Investigation of Blind Faults in the Sacramento-San Joaquin Delta,” $8,708


**Dr. Kim Olsen**

**Total: $396,219**

U.S. Department of Defense Air Force Research Laboratory: “3D Regional Wave Propagation with Q(f) in East Asia for North Korea Nuclear Tests,” $32,157

U.S. Department of the Interior United States Geological Survey: “Validating High-frequency Ground Motions in Media with Q(f) and Small-scale Heterogeneities,” $60,221

FM Global: “Internship of Nan Wang at FM Global,” $20,880

National Science Foundation: “Collaborative Research: Cross-Validation of Empirical and Physics-based Ground Motion Predictions,” $168,576

University of Southern California: “Characterizing Source Descriptions that Account for Nonlinear Effect in Linear Simulations,” $26,000; “SDSU Broadband Platform Module Extension: Temporal - Spatial Ground Motion Correlation,” $22,999
Awards Received July 1, 2018 - June 30, 2019

Willis Limited: “Phase: Enhanced Loss Calculation Based on 3D Ground Motion Calculations for the Pacific Northwest,” $65,386

**Dr. Kim Olsen and Dr. Daniel Roten**

National Science Foundation Directorate of Geosciences: “PREEVENTS Track 2: 3D Nonlinear Simulation of Large Earthquakes on the Southern San Andreas Fault,” $180,407

**Dr. Thomas Rockwell**


University of Southern California: “Collaboration to Populate a SCEC Community Paleoseismic Model,” $30,000; “Collection of Very High-resolution Topography Along the Southern San Andreas Fault to Resolve Slip Distribution in Recent Surface Ruptures,” $15,000; “Paleoseismic Investigation of the Lytle Creek Ridge Fault: Evidence for Linked San Jacinto-San Andreas Earthquake Ruptures,” $10,000

![Dr. Rockwell at Murcia-Alhama fault, Spain](image)

Dr. Rockwell at Murcia-Alhama fault, Spain
PI and photo: Thomas Rockwell

**Dr. Daniel Roten**

University of Southern California: “Implementation and Validation of Multi-surface Plasticity in a Discontinuous Mesh Finite Difference Code,” $32,000

**Dr. Matthew Weingarten**

U.S. Department of Interior United States Geological Survey: “Mitigation of Ongoing Induced Seismic Hazard Years After Reduced Injection Rates: Application of Physics-Based Stochastic Optimization to a Case of Induced Seismicity,” $64,236

Math & Statistics

**Dr. Barbara Bailey**

University of California at San Diego: “Spatial Identification of Lung Abnormalities in CF Via a Probabilistic Library of MRI Measures of Lung Water Density,” $11,933

**Dr. Ricardo Carretero**


**Dr. Jerome Gilles**

Awards Received July 1, 2018 - June 30, 2019

Dr. Joanne Lobato

National Science Foundation: “Developing and Investigating Unscripted Dialogic Mathematics Videos,” $736,733; “A Controlled Trial of Active Versus Passive Learning Strategies: An Exploration of Online Precalculus Course Design - M. Voigt,” $46,000

Total: $782,733

Dr. Antonio Palacios


Total: $50,281

Dr. Vadim Ponomarenko

National Science Foundation Directorate for Mathematics and Physical Sciences: “REU Site: San Diego State University Mathematics Research Experience for Undergraduates,” $345,600

Total: $345,600

Dr. Daniel Reinholz

National Science Foundation: “Collaborative Research: Working Meetings to Break Down Theoretical and Disciplinary Silos in Research on Change in Undergraduate STEM Education,” $45,740; “Collaborative Research: Expanding Access: Furthering a Network of Diversity-Focused Programs in the Physical Sciences,” $22,543

University of Colorado Boulder: “Departmental Action Teams: Sustaining Improvements in Undergraduate STEM Education Through Faculty Engagement,” $245,720

Total: $314,003

2018 SDSU Mathematics Research Experience for Undergraduates participants
PI and photo: Vadim Ponomarenko
STEM education researchers at the Breaking Down Silos conferences hosted by Dr. Daniel Reinholz and Dr. Tessa Andrews at the Center for Research in Mathematics and Science Education (CRMSE).

PI and photo: Daniel Reinholz

Dr. Peter Salamon  

Dr. Osvaldo Soto  
California State University Office of the Chancellor: “Advancing Significant California Mathematics Readiness Initiative,” $60,000

College Futures Foundation: “The SDSU/Sweetwater Discrete Math Project Collaborative: Scaffolding for Sustainability,” $290,000

Gompers Preparatory Academy: “Discrete Math Project,“ $13,199


Dr. William Zahner  
National Science Foundation: “CAREER: Fostering Productive and Powerful Discussions among Linguistically Diverse Students in Secondary Mathematics,” $197,566

Physics

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,” $50,000
Awards Received July 1, 2018 - June 30, 2019

**Dr. Lyubov Kuznetsova**
National Science Foundation Division of Graduate Education: “Designing Optical Metamaterial Devices with Hyperbolic Dispersion Using Al/Dielectric Nanolayers - P. Kelly,” $46,000

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

**Dr. Usha Sinha**
University of California at San Diego: “Role of the Extracellular Matrix in Age-Associated Force Loss: Integrating Imaging, Biochemistry and Multi-Scale Mesh-free Modeling,” $96,588

**Dr. Fridolin Weber**

**Psychology**

**Dr. Nader Amir**
Florida State University: “Attention Training to Modify ERN and Risk for Anxiety in Adolescence,” $308,332

Rogers Behavioral Health: “Information Processing Bias in OCD,” $100,000

**Dr. Nader Amir and Dr. Vanessa Robin Weersing**
Kaiser Foundation Research Institute: “Effectiveness Trial of Cognitive Bias Modifications (CBM) for Adolescent Anxiety,” $49,648

**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,” $677,278

**Dr. Aaron Blashill and Dr. Kristen Wells**
National Institute of Mental Health: “Developing a Patient Navigation Intervention for PrEP Continuum of Care among Young Latino MSM,” $252,475

**Dr. Ruth Carper**
Simons Foundation: “Characterizing Topographically Variable Dysplasias in Individuals with ASDs,” $167,272

**Dr. Thereasa Cronan**
National Institute on Aging: “SDSU ADAR Program,” $372,141; “SDSU ADAR Program - Administrative Supplement,” $80,999


**Dr. Inna Fishman**
National Institute of Mental Health: “Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder,” $519,969

**Dr. Linda Gallo**
Scripps Research Institute: “Dulce Digital-ME: An Adaptive mHealth Intervention for Underserved Hispanics with Diabetes,” $186,110

University of California at Davis: “MRI Measures of Cerebrovascular Injury and Alzheimer’s Disease Atrophy in a Study of Latinos,” $437,067
Awards Received July 1, 2018 - June 30, 2019

University of California at San Diego: “Neighborhood Environments and Cardiometabolic Disorders in Hispanics/Latinos,” $155,258; “Study of Latinos-Investigation of Neurocognitive Aging (SOL-INCA),” $136,240

Dr. Linda Gallo and Dr. Scott Roesch
Scripps/Whittier Institute for Diabetes: “Medical Assistant Health Coaching for Diabetes in Diverse Primary Care Settings,” $305,764

Dr. Jonathan Helm
Albert & Elaine Borchard Foundation Inc: “Multitrait-Multimethod Analyses for the Social Sciences,” $35,000

Dr. Phillip Holcomb
Language Learning: “Evaluating the Precision of Newly Learned Orthographic Representations (G. Meade),” $2,000
National Science Foundation: “Effect of Learning Mode on Mechanisms Underlying Second Language Vocabulary Acquisition in Adults - G. Meade,” $46,000

Dr. Phillip Holcomb and Dr. Katherine Midgley

Ms. Sarah Inkelis
National Institute on Alcohol Abuse and Alcoholism: “Sleep and Neurobehavorial Outcomes in Children with Fetal Alcohol Spectrum Disorders,” $44,524

Dr. Emily Kappenman
National Institute of Mental Health: “Yearly Workshop in the Event-Related Potential Technique,” $452,001
Industry: “Neural Activity and Emotion Processing,” $438,114

Dr. Joanne Jao Keehn
National Institute of Mental Health: “Impact of Multisensory Function on Symptomatology in Young Children with ASD,” $195,916

Dr. Vanessa Malcarne
Jewish General Hospital: “Postdoctoral Fellow for SPIN-COACH,” $23,256
Regents of the University of California: “Creating Scientists to Address Cancer Disparities,” $101,403
Rheumatology Research Foundation: “Medical and Graduate Student Preceptorship,” $1,000

Dr. Georg Matt
California Tobacco Related Disease Research Program: “Exposure to Tobacco, E-Cigarette, and Marijuana Use in Multi-Unit Housing,” $1,095,903; “Thirdhand Smoke Dissemination, Outreach, and Resource Center,” $552,353
Cincinnati Children’s Hospital: “An Intervention to Reduce Secondhand Smoke Exposure among Pediatric Emergency Patients,” $5,652; “Contribution of Thirdhand Smoke to Overall Tobacco Smoke Exposure in Pediatric Patients,” $52,675
Dr. Sarah Mattson  
Dr. Ralph Axel Mueller  
National Science Foundation: “Too Much Information: Neural Mechanisms of Efficient Filtering - L. Mash,” $46,000  
Dr. Claire Murphy  
Dr. Edward Riley  
National Institute on Alcohol Abuse and Alcoholism: “8th International Conference on Fetal Alcohol Spectrum Disorder,” $35,000; “Administrative Core of the CIFASD,” $435,603  
Dr. Edward Riley and Dr. Susan Tapert  
National Institute on Alcohol Abuse and Alcoholism: “Alcohol Research in the Science/Practitioner Model,” $398,957  
Dr. Edward Riley and Dr. Jennifer Thomas  
National Institute on Alcohol Abuse and Alcoholism: “Congresses of the International Society for Biomedical Research on Alcoholism,” $74,502  
Dr. Scott Roesch  
University of California at Davis: “2/2 Effectiveness of a Multi-Level Implementation Strategy for ASD Interventions,” $22,637  
University of California at San Diego: “Identifying Quality Indicators within Multiple EBP Delivery in Child Mental Health Services,” $55,893; “System of Care Evaluation (SOCE),” $262,303; “Testing the Leadership and Organizational Change for Implementation (LOCI) Intervention in Substance Abuse Treatment,” $31,094
Awards Received July 1, 2018 - June 30, 2019

**Dr. Dustin Thoman**
Total: $186,851
University of Virginia: “Fostering Resilient Mindsets Through Customized Interventions,” $7,782
University of Wisconsin-Madison: “Promoting Motivation in Undergraduate Biology and Chemistry Courses,” $179,069

**Dr. Jennifer Thomas**
Total: $1,399,164
California Tobacco Related Disease Research Program: “Effects of Prenatal Exposure to Tobacco and Cannabis on Development in Rats,” $602,000

**Dr. Vanessa Robin Weersing**
Total: $34,407
National Institute of Mental Health: “2/2-Family Cognitive Behavioral Prevention of Depression in Youth and Parents,” $34,407

**Dr. May Yeh**
Total: $105,306
University of San Diego: “Personalizing Parent Training Interventions for Culturally Diverse Families,” $105,306
Awards Received July 1, 2018 - June 30, 2019

ACADEMIC AFFAIRS
Dr. Joseph F. Johnson, Jr., Provost
Division of Academic Engagement & Student Achievement

Dr. Jessica Barlow
Wells Fargo Foundation: "SEVI: SDSU Addresses Homelessness and Affordable Housing in San Diego," $8,400

Library & Information Access

Ms. Amanda Lanthorne
Council on Library Resources: "Recorded Interviews with Postmodern and Contemporary American Writers from the Larry McCaffery Papers," $28,866

Instructional Media Services

Dr. Sean Hauze
Sinclair Community College: "The STEM Guitar Project," $24,542

Dr. Sean Hauze presents lecture on The STEM Guitar Project
Photo: Debbie Brighton
Awards Received July 1, 2018 - June 30, 2019

GRADUATE AND RESEARCH AFFAIRS
Dr. Stephen Welter, Vice President

Dr. John Crockett

Total: $ 467,716


Dr. W. Timothy Hushen
U.S. Department of Defense Space and Naval Warfare Systems Command: “Student Support Services,” $977,110.27

Total: $977,110.27

Dr. Stephen Welter

Total: $1,265,340
Awards Received July 1, 2018 - June 30, 2019

GEORGIA CAMPUS
Dr. Halil Guven, Dean
Office of the Dean

Dr. Halil Guven 
Government of Georgia: “Georgia 5-Cohort and Operations,” $10,505,476

Millennium Challenge Account – Georgia: “Georgia Regional Development Fund (GRDF): STEM Support, English Language Center and Student Life Activities,” $873,876

SDSU Georgia Commencement 2019
Awards Received July 1, 2018 - June 30, 2019

IMPERIAL VALLEY CAMPUS
Dr. Gregorio Ponce, Dean

Dr. Suzanna Fuentes-Ferreiro

AMCO International Education Services, LLC: “English Language Services Certification,” $1,004,774

Imperial County Department of Social Services: “Basic Computer & Interpersonal Skills & Employment Empowerment Training,” $301,737; “Medical Administrative Assistant 2019,” $85,500

Imperial County Office of Education: “2019 Migrant Summer Institute,” $147,537

Total: $1,004,774
Awards Received July 1, 2018 - June 30, 2019

KPBS – EDUCATIONAL RADIO AND TELEVISION
Mr. Thomas Karlo, General Manager

Ms. Monica Medina
Media Arts Center San Diego: “Speak City Heights,” $219,728
San Diego State University: “KPBS MACP eXPLORE,” $300,000; “MACP: Community Heroes,” $80,000; “MACP: Content Management System,” $425,000; “MACP: Non-PBS Programming & Deeper Learning,” $595,000; “MACP: One Book One San Diego,” $60,000

Total: $1,746,678

Mr. Vince Petronzio
Corporation for Public Broadcasting: “Joint Master Control,” $150,000; “Radio Community Service Grant,” $496,076; “Television Community Service Grant” $2,273,402; “Television Interconnection Grant,” $43,293; “Universal Services Support,” $5,167

Total: $2,967,938
Awards Received July 1, 2018 - June 30, 2019

STUDENT AFFAIRS
Dr. Christy Samarkos, Interim Vice President

Dr. Jennifer Rikard
Responsible Retailing Forum: “Great Plays Grant,” $10,000

Mr. Tony Chung
San Diego Housing Commission: “Guardian Scholar Program,” $200,000

Dr. Pamela Starr
California Department of Rehabilitation: “Workability IV,” $192,000

U.S. Department of Education Office of Postsecondary Education: “Student Support Services Project for Students with Disabilities,” $633,613

Dr. James Lange
Ohio State University (The): “Executive Director of the Higher Education Center for Alcohol and Drug Misuse Prevention and Recovery,” $103,238

Total: $10,000
Total: $200,000
Total: $825,613
Total: $103,238
### INTERDISCIPLINARY PROGRAMS

**Dr. David Kamper, Dr. Neil Klepeis, Dr. James Lange and Dr. Katherine Spilde**  
Total: $458,176  
California Department of Public Health: “Impact of Nonsmoking Constraints on Tribal Casino Operations,” $458,176

**Dr. Li An, Dr. Rebecca Lewison and Dr. Douglas Stow**  
Total: $1,450,000  
National Science Foundation Division of Social Behavioral and Economic Research: “CNH-L: People, Place, and Payments in a Complex Human-Environment System,” $1,450,000

**Dr. Laura Hall, Dr. Sonja Pruitt-Lord, Dr. Yasemin Turan-Qian**  
Total: $249,953  

![Image](image.jpg)  
Special educators and speech-language pathology Masters candidates work together with young children with autism who are dual language learners  
PIs: Laura Hall, Dr. Sonja Pruitt-Lord, Dr. Yasemin Turan-Qian  
Photo: Laura Hall

**Dr. Guadalupe X. Ayala and Dr. Kristen Wells**  
Total: $8,326,183  
National Center on Minority Health and Health Disparities: “SDSU HealthLINK Center for Transdisciplinary Health Disparities Research,” $8,326,183

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

**Dr. Guadalupe X. Ayala, Dr. Jose Castillo, Dr. Kee Moon and Dr. Adela de la Torre**  
Total: $2,000,000  
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. Sheila Castaneda, Dr. Linda Gallo, Dr. Gregory Talavera**  
Total: $13,525  
University of California at San Diego: “Nightly Fasting and Eating Patterns and Cardiometabolic Risk in Hispanic/Latina Women,” $13,525

**Dr. Eunha Hoh, Dr. Georg Matt and Dr. PJE Quintana**  
Total: $286,534  
Cincinnati Children’s Hospital: “Contribution of Thirdhand Smoke to Overall Tobacco Smoke Exposure in Pediatric Patients,” $286,534

**Mr. Steven Hornberger and Mr. Kevin Popovic**  
Total: $97,836  
San Diego County Health and Human Services Agency: “Health and Human Services Agency Public Health Services, Behavioral Health Services Consultant Services for Human-Centered Design Process,” $97,836

**Dr. Janet Bowers, Dr. Susan Nickerson and Dr. Randolph Philipp**  
Total: $47,095  
National Science Foundation UPTEMPO: “Upgrading the Path to Mathematics Teaching by Adding Express and Multiple On-ramps,” $47,095
Awards Received July 1, 2018 - June 30, 2019

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,” $225,064

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