SACRAMENTO STATE
Office of Research Affairs

Quarterly Listing of Grant and Contract Awards Received

For Award Dates January 1, 2017 thru March 31, 2017

Academic Affairs

Steve McKay, Academic Technology & Creative Services
California State, University, Sacramento, $2,039.31
CCE-Graphic Design Services for CDPH EPO Web Banner and Program Cover
This project provides support funding for graphic design services for the California Department of Public Health's website for their Emergency Preparedness Office.

California State University, Sacramento, $2,225
Layout and Prepress Production of 2015 Annual Report South Bay Salt Pond Restoration Project
This project provides funding for production design services for the 2015 South Bay Salt Pond Restoration Project Annual Report.

Lisa C. Hammersley, Louis Stokes Alliances for Minority Participation (LS-AMP)
National Science Foundation, $1,060,250
2017 Bridge to the Doctorate at CSU Los Angeles: CSU-LSAMP-BD Cohort XIV Year 2
The goal of the 2017 California State University-Louis Stokes Alliance for Minority Participation Bridge to the Doctorate Activity (CSU-LSAMP-BD Cohort 14) is to bring the talent of 12 graduates of LSAMP undergraduate programs to academe and research at the frontiers of science and engineering. The project aims to expand the number of students from underrepresented minority groups in doctoral programs at highly competitive research universities by providing a Master's level bridge to doctoral-level study for students who would be unlikely to apply or be admitted directly to a doctoral level study upon completion of the baccalaureate.

David Earwicker, Research Affairs
California Department of Public Health, $1,535,655
CA Public Health Survey Project - Amendment 2
This award adds additional funding to the California Public Health Survey Research Program, in which surveys are administered to collect data on health risk factors affecting the well-being of the population of California.

US Department Fish and Wildlife Service, $152,603
Fish and Wildlife Service Management Assistance Year 2
The U.S. Fish and Wildlife Service through the California Landscape Conservation Cooperative (CA LCC) and Refuges Inventory and Monitoring Program (I&M) are partnering with California State University, Sacramento (Sacramento State) and University Enterprises (UEI) to support a bridge between disciplines of science and management using an educational platform. This is the second year of an agreement that advances the goals and missions of each party by joining an array of supportive research, education and outreach projects and activities and simultaneously increasing public awareness regarding climate change impact and science related to the field.

Arts & Letters

Patrick Ettinger, North Central Information Center (NCIC)
US Department of Agriculture, $4,000
Archaeological Record Searches (Order #: AG-4D90-P-17-0051)
This project awards funding for record searches performed by Sacramento State in service to the US Department of Agriculture.

Business Administration

Ryan Fuller, Business Administration
Association of Business Communication, $1,090
Readiness for Renewal: A Service-Learning Research Project in the Crisis Communication Course

Please Note: This document summarizes grant or contract award activity and may contain proprietary information. Details were compiled from the proposal submission and awarding documents, and are provided as an informational resource to the campus community. Please consult with the Principal Investigator before further public distribution.

This project aims to support the creation and evaluation of a semester long-long, service-learning opportunity in which students develop a crisis communication plan for participating for-profit and non-profit organizations.

Education

Terry Thomas, Academic Talent Search
American Building Supply Fund, $2,000
Target Schools Campaign
This grant will support the mission of Academic Talent Search, which is to identify exceptional academic talents among adolescents and pre-adolescents and to prepare young learners for success in high school, university studies and beyond.

Engineering & Computer Science

Mikael Anderson, Construction Management
Construction Employers Association, $27,500
CEA: Net-Zero Energy Research Center
This project has significant impact on the Construction Management program as it enables the Solar Decathlon House to take on a second life as a Net-Zero Energy Research Center. The home will become the platform for showcasing alternative means of energy generation and storage, as well as water conservation.

Warren Smith, Electrical & Electronic Engineering
Pedorthic Footcare Association, $5,818
Investigation of Prototype of In-Shoe Monitor
The purpose of this project is to investigate a prototype of a low-cost, miniature, low-power, long-life, in-shoe monitor for therapeutic footwear that will track a patient's usage of the shoe- how many hours per day the shoe is worn and how active the patient is when wearing the shoe- for up to six weeks.

Jose Granda, Mechanical Engineering
University of California, San Diego, $8,000
CSUS Mentored Projects in Space Exploration, Aeronautics and Vehicle Dynamics
This project continues successful mentored projects with faculty guidance and student participation at the undergraduate and graduate level. The objective is to continue with engineering projects that assist undergraduate and graduate students to finish their careers with unique skills to become the workforce of the future for NASA and their contractors in the aerospace industry.

Ramzi Mahmood, Office of Water Programs
EOA, Inc., $22,690
POC Monitoring for Source Identification and Management Action Effectiveness Year 1
This project involves Office of Water Programs joining a project team led by EOA, Inc. to develop and implement a regional program for POC Monitoring for Source Identification and Management Action Effectiveness for the Bay Area Stormwater Management Agencies Association and MRP Permittees in the San Francisco Bay Area.

Geosyntec Consultants, $11,000
Work Order for BASMAA CW4CB Study Design Services Subcontract- Tasks 4-6
This award provides support for database updates, a project report, and a workshop for the Bay Area Stormwater Management Agencies Association (BASMAA).

Natural Sciences & Mathematics

Thomas Peavy and Robert Crawford, Biological Sciences
Shriners Hospital, $21,823
Adrenergic Modulation and Biofilm Formation in Burn Injuries - Year 3
This project funds research in novel translational therapeutic strategies for patients suffering from infection and hypertrophic scarring caused by burn injuries.

Katherine McReynolds, Chemistry
National Institutes of Health, $95,681
Development of Glycodendrimers as Potential Microbicide Agents (Working Title)- Year 2

Please Note: This document summarizes grant or contract award activity and may contain proprietary information. Details were compiled from the proposal submission and awarding documents, and are provided as an informational resource to the campus community. Please consult with the Principal Investigator before further public distribution.

The long-term goal of this work is to produce reproducible and efficient synthetic methods to synthesize novel sulfated, non-cytotoxic, glycodendrimers possessing anti-HIV activities.

Mathew C. Schmidtlein, Geography
Cal Poly Corporation, $11,000
Vulnerability Assessment Update for 2018 CA State Hazard Mitigation Plan
This project seeks to prepare a 2018 State Multi-Hazard Mitigation Plan (SHMP) which meets the Federal Emergency Management Agency (FEMA) requirements for both a Standard State Mitigation Plan and an Enhanced State Mitigation Plan.

Judi Kusnick, Geology
California Department of Education, $246,560
Project Triangulating Educational Access via Mathematics and Science (TEAMS)- Year 2
This project is a partnership between the Sacramento State College of Education (Teacher Credentials and Educational Leadership programs), the College of Natural Science and Mathematics (Center for Mathematics and Science Education), the Sacramento City Unified School District and the San Juan School Unified School District. The project will support the formation of teams of teachers and administrators at six elementary school sites.

Steven Skinner, Geology
Columbia University, $22,685
Participation of Steven M. Skinner on IODP Expedition 367
The International Ocean Discovery Program (IODP) is an international marine research drilling program involving over 20 nationals committed to achieving goals outline in the 10-year plan titled *Illuminating Earth's Past, Present and Future: The International Ocean Discovery Program Science Plan for 2013-2023.* This project funds Dr. Skinner's participation in the program.

Amelia Vankeuren, Geology
University of California Regents, $2,451
Characterizing Groundwater Dynamics in Sacramento Aquifers Year 1
This project aims to characterize the aquifers within east Sacramento following California's historic five-year drought. It will sample water from sixteen monitoring wells on the Sacramento State campus and from surface water bodies in potential areas of recharge.

Judi Kusnick, MASE - NSM
Community Outreach Academy, $5,404
Community Outreach Academy
This project seeks to improve teacher understanding of the Next Generation Science Standards (NGSS) and the Common Core State Standards (CCSS) related to science learning. The goal is to help teachers shift their teaching practices and their classroom science lessons to better align with the NGSS science and engineering practices and the CCSS reading, writing, and speaking and listening practices.

Social Sciences & Interdisciplinary Studies

Michael Delacorte, Archaeological Research Center
California Department of Transportation, $8,225
04A4942-01 Work Request: Huichica Creek Draft Data Recovery Plan
This project provides support for the development of a Data Recovery Plan for the Huichica Creek Project. The consultant's Principal level staff shall review, comment, and provide input, possibly including content, on the Draft Data Recovery Plan prepared by Caltrans Staff.

Jonathan Kaplan, Economics
Humboldt State University, $7,635
Analysis of the Cost of Regulation on California's Manufactured Cannabis Industry
This project supports the construction of a model of demand for manufactured cannabis goods within three California markets (medical, recreational, and illegal) that allows for price changes to affect quantities in each market.

Andrea Venezia, Education Insights Center
James Irvine Foundation, $150,000
BtG Implementation Phase Year 1

Please Note: This document summarizes grant or contract award activity and may contain proprietary information. Details were compiled from the proposal submission and awarding documents, and are provided as an informational resource to the campus community. Please consult with the Principal Investigator before further public distribution.

This goal of the Bridging the Gap (BtG) initiative is to increase the number of low-income young people in California who complete high school ready for college and career and earn a postsecondary credential by the age of 25. During the implementation phase of the initiative, the BtG community of practice will bring sites and initiative partners together to support inquiry and learning.

Julian Fulton, Environmental Studies
University of California Regents, $9,373
Improving the (Net) Almond Water Footprint
This project aims to accomplish three things: 1) Match water footprint and LCA/water to existing sustainability reporting carried out by ABC, based upon surveys of growers; 2) Associate water footprint and LCA with type of water; 3) Investigate geographic variation of current and potential future water availability that may affect grower's ability to produce in the face of push-back from legal processes and physical limitations.

Sara Kross, Environmental Studies
US Department of Agriculture, $20,230
Raptor Perches Conservation, Year 1
This award supports the development and field test of a wooden fencepost modification for raptor perches on a rangeland in the Lassen foothills region.

Timothy Fong, Ethnic Studies
The California Endowment, $25,000
Improving Hmong American Youth Health Outcomes
This project provides support for the development of research tools (such as survey, focus group, and field observation) for improving healthcare within the Hmong American community.

David Barker, California Speaks
University of California, Berkeley, $35,000
Traffic Safety Online CALSPEAKS Survey
This project is a contract with University of California, Berkeley to collect survey responses from approximately 1000 California drivers using the CALSPEAKS survey panel.

David Barker, Institute for Social Research
The California Endowment, $65,000
Raising Awareness of AAPI Health and Wellness Diversity
This purpose of this project is to create a stable data resource capable of providing rich, nuanced information regarding Asian American Pacific Islanders (AAPI) attitudes and behavior that affect health outcomes, to encourage greater representation of those perspectives.

County of Sacramento, $50,000
SSD Smart Policing Evaluation
This project involves the Institute for Social Research at California State University, Sacramento, evaluating the Sacramento Sheriff's Department (SDD) SMART Policing Homeless Initiative to reduce homeless-related crime in Sacramento County.

Arturo Baiocchi, Institute for Social Research
Sacramento Steps Forward, $60,000
SSF Homeless Point-In-Time Count Study
This project is a bi-annual effort to estimate the number of individuals and families in the county who experience homelessness within a twenty-four-hour period. This effort, known as the Homeless Point-in-Time (PIT) Count, is congressionally mandated for all communities that receive U.S. Department of Housing and Urban Development (HUD) funding for homeless programs.

Student Affairs

Reva Wittenberg
California State University Chico Research Foundation, $15,172
CalFresh Outreach at Sacramento State Year 1
This project aims to enroll Sacramento State students in the CalFresh program, which will provide them more food security, as well as more time and resources to obtain their degrees for more secure future employment and lifelong success.

Please Note: This document summarizes grant or contract award activity and may contain proprietary information. Details were compiled from the proposal submission and awarding documents, and are provided as an informational resource to the campus community. Please consult with the Principal Investigator before further public distribution.