

**California State University
Dominguez Hills**

**2015/2016
Annual Report**

**Office of Research
and Funded Projects**

**Research
Scholarship
Creative Activity**

Acknowledgment

The following individuals contributed to the development of this annual report for the Office of Graduate Studies and Research (GSR):

Dorota Huizinga, PhD, Dean, GSR
Craig Geber, Interim Director, Research and Sponsored Programs (ORSP)
Rita Darcy, Senior Grant Analyst, CSUDH Foundation

Introduction

The Office of Graduate Studies and Research (GSR) assists faculty with the identification of external funding sources from Federal, state and local agencies to support faculty and student research, scholarship, creative activity or to provide programs that advance the University mission. The office facilitates the preparation and submission of these proposals.

GSR also coordinates the **Research, Scholarly and Creative Activity Internal Awards Program** whose two opportunities for 2015-2016 were as follows:

The **Incentive RSCA Grant (IRG)** provided one course release at the replacement rate for one three unit course (\$5,068) to assist tenured faculty, tenure-track faculty and full time lecturers to submit a competitive grant proposal to an external funder.

The **Faculty RSCA Grant (FRG)** provided one course release at the replacement rate for one three unit course (\$5,068) to assist tenured faculty, tenure-track faculty and full time lecturers to achieve one or more of the following: a peer-reviewed publication; a peer-reviewed conference presentation; a juried performance/exhibit; a pilot research project implementation; a substantial contribution to a scholarly monograph/book; A patent or a product or a result that contributes to the expansion of knowledge and faculty professional advancement.

GSR also stages the annual **Grants for My Research** grantwriting academy in which selected faculty applicants convene with GSR and CSUDH sponsored programs officials and then meet one on one with a grant development mentor over the course of a semester with the aim of submitting a grant proposal to an external agency.

The GSR coordinates work of the Institutional Review Board that reviews proposals to use human subjects in research and oversees other areas of regulatory compliance. The office is part of the Division of Academic Affairs and reports to the Provost/Vice President through the Dean of the GSR.

A summary of the accomplishments of the Office of Research and Funded Projects for the fiscal year July 1, 2015 - June 30, 2016 is reported on the following pages.

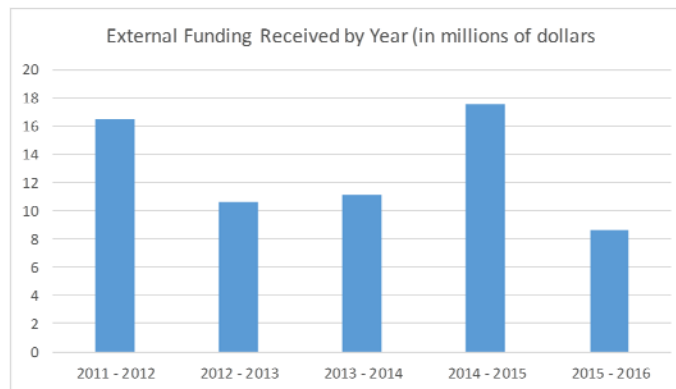
Summary of External Funding Activity for Research, Scholarship, Creative Activity and Programs that Advance the University Mission

During fiscal year (FY) 2015-2016, the Office of Research Graduate Studies and Research assisted CSUDH faculty and staff to submit 60 new proposals.

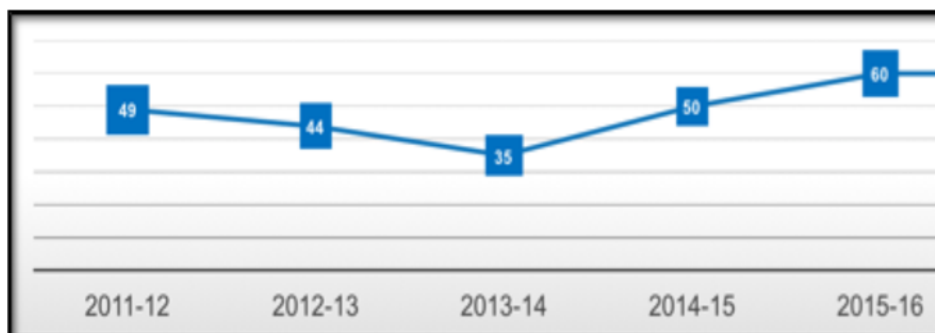
The amount of external funding awarded to the University during the 2015 - 2016 period was **\$9,007,437**. The university earned **\$559,200** in facilities and administrative costs, which represents a 6.2% return percentage on total direct costs.

Figure 1 provides a comparison of funding amounts in dollars awarded to CSUDH over the last five years. Figure 2 indicates the number of proposal submissions during the same span.

Grant award activity over the last five years (Figure 1)



Grant submission activity over the last five years (Figure 2)



As compared to FY 2014-2015, external funding in terms of direct and indirect costs for FY 2015-2016 decreased 48%, or \$8,604,872. The disparity in totals is due in large part to receiving \$13,587,471 in US Department of Education funding in 2014 - 2015 versus \$5,909,336 received in 2015 - 2016.

Source of External Awards

The following agencies provided grant or contract support during FY 2015 – 2016.
Multiple awards were received from some agencies.

Federal Agencies

Corporation for National and Community Service/Americorps
National Endowment for the Humanities
National Science Foundation
National Institutes of Health
US Nuclear Regulatory Commission
US Department of Education
US Department of Health and Human Services
US Department of Homeland Security

Other Entities

CaISWEC
Centinela Valley Union High School District
Jumpstart for Young Children, Inc.
Long Beach Unified School District
Los Angeles County Superior Court
Los Angeles Unified School District
Mid-America Arts Alliance
Office of Statewide Health Planning and Development
Society of Analytical Chemists of Pittsburgh
Whittier City School District

Universities and Colleges

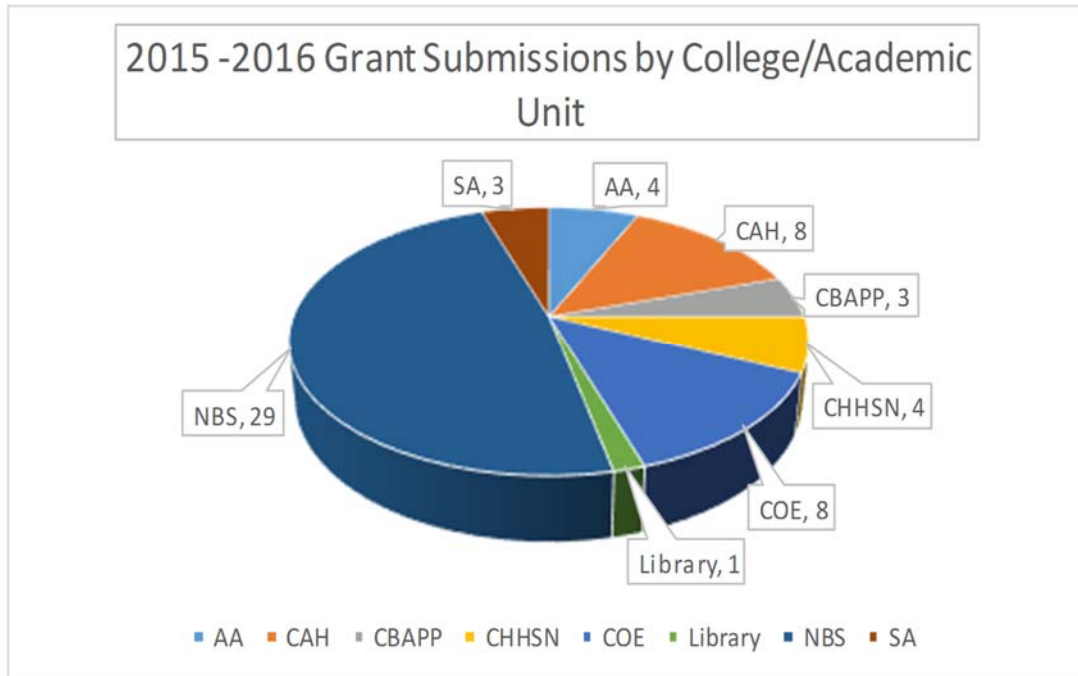
CSU Office of the Chancellor	UC Berkeley
CSU Fullerton	UC Davis
CSU Sacramento	UCLA
Stanford University	University of California, Office of the President
	USC

Foundations

Bill and Melinda Gates Foundation
Kettering Foundation

2015-2016 Proposal Submissions by College/Administrative Unit

University faculty and staff submitted 60 proposals through the Office of Research and Funded Projects in 2015-2016. The distribution among the colleges and other units is shown below.



Legend

CAH	College of Arts and Humanities
CBAPP	College of Business Administration and Public Policy
CNBS	College of Natural and Behavioral Sciences
COE	College of Education
CHHSN	College of Health, Human Services and Nursing
SA	Student Affairs
Library	University Library

**List of submitted proposals and funded projects
for 2015 - 2016 (July 1, 2015 - June 30, 2016)**

**List of Research, Scholarly and Creative Activity
Internal Awards Program Recipients 2015 - 2016**

College of Arts and Humanities

P.I./ P.D.	Department	Project Title	Funding Agency
Anne Choi	Interdisciplinary Studies	Recreating the Aloha Spirit: Japanese American Hawaiians and Post-war Suburbanization in Los Angeles County, 1945-1980	California Humanities
Anne Choi	Interdisciplinary Studies	Recreating the Aloha Spirit: Japanese American Hawaiians and Post-war Suburbanization in Los Angeles County, 1945-1980	National Endowment for the Humanities
Anne Choi	Interdisciplinary Studies	Recreating the Aloha Spirit: Japanese American Hawaiians and Post-war Suburbanization in Los Angeles County, 1945-1980	National Endowment for the Humanities
Brian Gregor	Philosophy	Philosophy as the Art of Living	National Endowment for the Humanities
Pat Kalayjian	Interdisciplinary Studies	The Catharine Maria Sedgwick Online Letters Project	National Endowment for the Humanities
Laura Talamante	History	A Daughter Worth Investing In: Challenging Patriarchy in Enlightenment and Revolutionary Marseille	National Endowment for the Arts
Laura Talamante	History	A Daughter Worth Investing In: Challenging Patriarchy in Enlightenment and Revolutionary Marseille	National Endowment for the Arts
Devon Tsuno	Art	Big City Forum: Praxus Studio	California Arts Council

College of Health, Human Services and Nursing

P.I./ P.D.	Department	Project Title	Funding Agency
Maria Avila	Nursing	Community Engagement Policy Experiences for Students Outside of Field Education	Council on Social Work Education
Roger Green	Nursing	Song Brown	CA Office of Statewide Health Planning and Development
Yan-hua Huang	Occupational Therapy	Young Adults with Autism Spectrum Disorder: Vocational Program Training and Perceived Quality of Life	US Department of Defense
Lauren Outland	Nursing	Promoting Homeostasis to Improve Metabolic Health	Sigma Theta Tau International

College of Natural and Behavioral Sciences

P.I./ P.D.	Department	Project Title	Funding Agency
Mohsen Beheshti	Computer Science	Computing Alliance for Hispanic-Serving Institutions (CAHSI)	University of Texas, El Paso
Mohsen Beheshti	Computer Science	Creating, Sustaining, and Diversifying Informal Mathematics Learning in At-Risk Urban Communities	National Science Foundation
Mohsen Beheshti	Computer Science	Southwest Networked Community for Broadening STEM Participation of Hispanics in Graduate Studies	National Science Foundation
Giacomo Bono	Psychology	Expanding the Science and Practice of Gratitude	University of California, Berkeley
Brynne Bryan	Biology	Demonstration of native plant function and services for biology students	CSU Chancellors Office
HK Choi	Biology	Pathways to Careers in Stem Cell Research	California Institute of Regenerative Medicine
Ximena Cid	Physics	Predicting undergraduate student success in introductory calculus and physics: A general systems performance theory approach	National Science Foundation
Kenneth Ganezer	Physics	Neutrino Physics and Astrophysics, and Searches for Baryon Number Non-conservation at Hyper-Kamiokande and Super-Kamiokande	National Science Foundation
Matthew Jones	Mathematics	USEFEL: Undergraduate STEM Experience for Engaged Learners	National Science Foundation
Matthew Jones	Mathematics	California Math Project at CSU Dominguez Hills CSMP -	University of California Office of the President
Karin Kram	Biology	The Role of SspA in Long-term Survival and Adaptation of Escherichia coli	CSU Office of the Chancellor
Karin Kram	Biology	Effects of Different Rich Media on Genetic Stability, Gene Expression, and Evolution of Escherichia coli	CSU Office of the Chancellor

College of Natural and Behavioral Sciences (continued)

P.I./ P.D.	Department	Project Title	Funding Agency
Kelin Li	Sociology	A Comparative Analysis of Diverse Trajectories in Education among Children of Latino and Asian Immigrants	American Educational Research Association
Terry McGlynn	Biology	IRES: US-France: The Expansion and Expense of Invasive Ants in the Anthropocene	National Science Foundation
Terry McGlynn	Biology	DHEEBS: Dominguez Hills Ecology and Environmental Biology Scholars	National Science Foundation
Brendan McNulty	Earth Science	GP-IMPACT - A collaborative field-based program for improving geoscience literacy of science teachers in Los Angeles	National Science Foundation
Matt Mutchler	Sociology	Exploring the Feasibility and Acceptability of YBMSM's Close Friend Support of their PrEP Uptake	University of California, San Francisco
Matt Mutchler	Sociology	Getting Friends PrEPared: A Motivational Interviewing Intervention to Promote PrEP Uptake among young Black Gay Men/MSM	National Institutes of Health
Sue Needham	Anthropology	Pacific Asian Counseling Center (PACC) subaward to CSUDH	Pacific Asian Counseling Center/State of C
Jackie Padilla-Gamino	Biology	Seafood for the future: the role of the microbiome in thermal and infection tolerance of the Mediterranean mussel <i>Mytilus galloprovincialis</i>	CSU Office of the Chancellor
John Price	Physics	Photo - and Electroproduction of Multiply-Strange Hyperons at CLAS	US Department of Energy
John Price	Physics	RUI-Photoproduction of Multiply-Strange Hyperons at CLAS	National Science Foundation
Hamoud Salhi	NBS Office of The Dean	CSUDH International Studies Project	University of California, Office of the President

College of Natural and Behavioral Sciences (continued)

P.I./ P.D.	Department	Project Title	Funding Agency
Hamoud Salhi	NBS Office of the Dean	CSUDH International Studies Project NCLB	University of California, Office of the President
Patrick Still	Chemistry and Biochemistry	Cytotoxicity-guided Discovery of Natural Products from Botanical Sources	National Institutes of Health
Patrick Still	Chemistry and Biochemistry	Cytotoxicity-guided Discovery of Natural Products from Botanical Sources	CSU Office of the Chancellor
Bin Tang	Computer Science	Tier 1 UTC: Reducing Congestion	Georgetown University
Kathryn Theiss	Biology	Genetic Identification of Rare Orchids	CSU Office of the Chancellor

College of Education

P.I./ P.D.	Department	Project Title	Funding Agency
John Davis	COE Dean's Office	Men of Color in Education	CSU Northridge
Glenn DeVoogd	Teacher Education	Better Together: California Teachers Summit	CSU Fullerton
Kamal Hamdan	Teacher Education	Preparing a New Generation of Educators	Bechtel Foundation
Kamal Hamdan	Teacher Education	STEM Scholars	US Department of Education
Lisa Hutton	Teacher Education	The History Project at CSU Dominguez Hills	Los Angeles Unified School District
Lisa Hutton	Teacher Education	California History Social Science Project 2016	University of California, Davis

College of Education (continued)

P.I./ P.D.	Department	Project Title	Funding Agency
Saili Kulkarni	Special Education	How Early Childhood Special Education Teacher Candidates Construct Beliefs about Disability, Race, and Inclusive Education: Learning Lab Experiences to Support Equity Dispositions	Spencer Foundation
Anne Selmi	Teacher Education	Early Childhood Special Education Accelerated Credential Pathway	US Department of Education

Academic Affairs

P.I./ P.D.	Department	Project Title	Funding Agency
Ellen Junn	Office of the Provost	Next Generation Courseware Challenge	Stanford University
Ellen Junn	Office of the Provost	A Collaboration to Evaluate a Scalable, Pre-Matriculation Social-Belonging Intervention to Improve Persistence and Completion in Broad Access 4-Year Universities	Stanford University
Ellen Junn	Office of the Provost	The Next Frontier: Fostering Equity and Inclusion at CSUDH	National Science Foundation
Gitanjali Kaul	Academic Affairs	Improving Undergraduate STEM Education: Education and Human Resources	University of Nevada, Las Vegas

University Library

P.I./ P.D.	Department	Project Title	Funding Agency
Greg Williams	Archives and Special Collections	Japanese American Digitization Implementation Grant	National Endowment for the Humanities

Student Affairs

P.I./ P.D.	Department	Project Title	Funding Agency
William Franklin	Office of the Vice President	CSUDH Talent Search 2016 (Jordan High School)	US Department of Education
William Franklin	Office of the Vice President	Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus Program	US Department of Justice
William Franklin	Office of the Vice President	CSUDH Talent Search 2016 (Hawthorne High School)	US Department of Education

College of Business Administration and Public Policy

P.I./ P.D.	Department	Project Title	Funding Agency
Natasa Christodoulidou	Marketing and Management	Online Travel Reviews, Customer Values and Hospitality Service Quality: A Scientific Approach	American Hotel and Lodging Educational Association
Thomas Norman	Marketing and Management	The Study of the United States Institute	US Department of State
Fynnwin Prager	Public Administration	Saliency in Public Opinion of Intergenerational Benefits from Investment in Human Capital of a More Diverse U.S. Society	University of Southern California

List of Research, Scholarly and Creative Activity (RSCA) Internal Awards Program

Incentive RSCA Grant (IRG) Recipients		
P.I./ P.D.	Department	Project Title
Mario Congreve	Digital Media Arts	The 1910 Los Angeles International Air Meet at Dominguez Hills
Yan-hua Huang	Occupational Therapy	Predictors of Work-Related Quality of Life for Individuals With High-Functioning Autism Spectrum Disorders
Matt Mutchler	Sociology	Exploring Psychological, Physical, and Social Needs of Individuals Aging with HIV/AIDS
Fang Wang	Biology	Functional analyses on genes involved in neuron-skin interactions

Faculty RSCA Grant (FRG) Recipients		
P.I./ P.D.	Department	Project Title
Adriana Aldana	Social Work	Fostering Youth Participation in Diverse Democracy
Mark Carrier	Psychology	The Psychology and Neuroscience of Personal and Educational Technology Use
Nancy Deng	Information Systems and Operations Management	Understanding Knowledge, Skills, and Abilities for Analytics Professionals
Kirstin Ellsworth	Art and Design	Architectural Patronage and Proliferation: The Saarinen Churches in Columbus, Indiana
Lorna Fitzsimmons	Humanities	Death Metaphors by which to Live: Politicization of Spirit Influence in Okot P'Bitek's Poem Song of Lawino
Janinie Basco	Anthropology	Ceramics and the Late Postclassic Economy in the Soconusco Region, Chiapas, Mexico
Karin Kram	Biology	Molecular Mechanisms of Adaptation and Long-Term Survival in Bacteria
Saili Kulkarni	Special Education	Augmentative and Alternative Communication (AAC) Device Access Among Culturally and Linguistically Diverse Students and Families

Faculty RSCA Grant (FRG) Recipients continued

P.I./ P.D.	Department	Project Title
Erin Merz	Psychology	Social support and pain in patients with rheumatologic disease
Jerry Moore	Anthropology	Scholarly Book--The Andean House: Dynamics of Domestic Space in South America
Jackie Padilla-Gamino	Biology	Thermal stress impacts on the reproductive performance of reef building corals in Hawaii
John Price	Physics	Elastic Λ -Proton Scattering with the CLAS Detector
Nop Ratanasiripong	Nursing	Attitudes Toward Unwanted Pregnancy and Practice Behaviors to Prevent Pregnancy Among Thai Nursing Students
Marek Suchenek	Physics	Singularity in the Structure of Worst-case Heaps
Rui Sun and Bing Xu	Public Administration and Marketing and Management	Marketization of Public Services and Customer Satisfaction
Bin Tang	Computer Science	Energy-Efficient Virtual Machine Replication in Cloud-Based Data Centers
Kathryn Theiss	Biology	Defining species boundaries in rush lilies
Karen Wilson	Psychology	Understanding the neurocognitive and psychosocial predictors of academic performance in an ethnically diverse body of freshman college students
Xia Zhao	Management and Marketing	Understanding Values to Customers: An Exploratory Study of Online Consumer Reviews



California State University
Dominguez Hills



California State University
Dominguez Hills
