

**California State University
Dominguez Hills**

**2013/2014
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 Research and Funded Projects (ORFP):

Laura J. Robles, PhD, Acting Associate Vice-President, ORFP

Craig Geber, Associate Director, ORFP

Karen Garcia, Director of Grants and Contracts, CSUDH Foundation

Introduction

The Office of Research and Funded Projects (ORFP) 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.

ORFP also coordinates the **Research, Scholarly and Creative Activity Internal Awards Program** whose two opportunities are as follows:

- **Incentive RSCA Grant (IRG)** provides up to \$15,000 in seed money to assist faculty in submitting competitive funding requests at the local, regional and/or national level. Funds may be used for faculty/student research assistant support, operating expenses and up to 3 WTU of re-assigned time. All full-time unit 3 employees are eligible to apply for the IRG award.
- **Faculty RSCA Grant (FRG)** provides up to \$10,000 in support of RSCA for full-time non-tenured, tenure-track faculty. FRG funds may be used for a variety of professional activities resulting in publications, peer-reviewed conference presentations, performance exhibits, pilot projects, data collection and/or professional development leading to competitive externally funded projects and successful retention, tenure and promotion. FRG awards are limited to full-time tenure-track faculty members who have not received tenure and who do not have other release time support.

The ORFP 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 Associate Vice President of the ORFP.

A summary of the accomplishments of the Office of Research and Funded Projects for the fiscal year July 1, 2013 - June 30, 2014 is reported on the following pages.

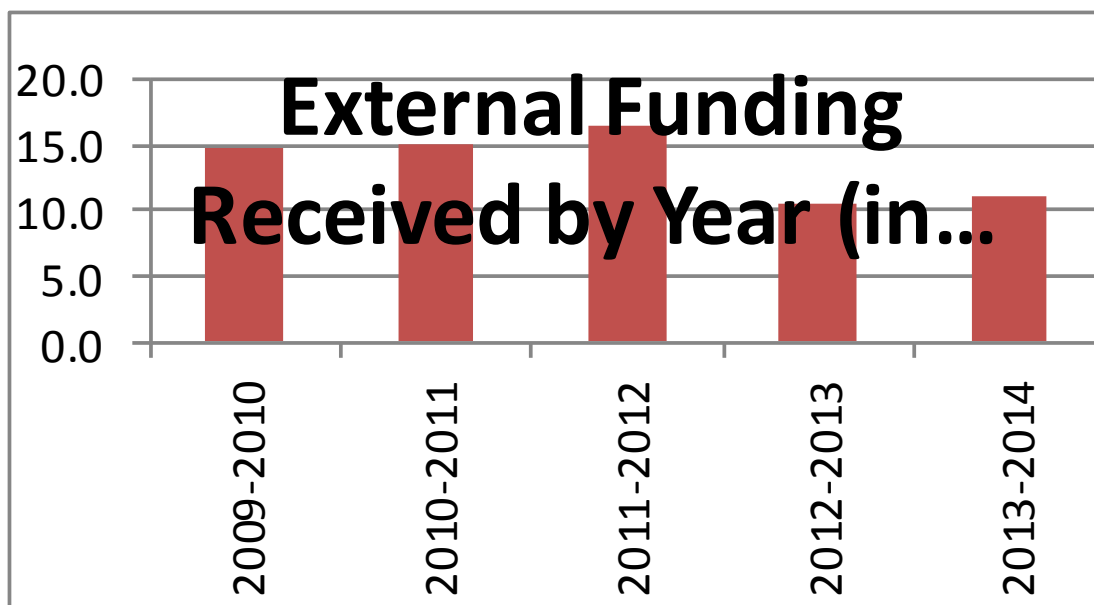
Summary of External Funding Activity for Research, Scholarship, Creative Activity and Programs that Advance the University Mission

During fiscal year (FY) 2013-2014, the Office of Research and Funded Projects assisted CSUDH faculty and staff to submit 35 new proposals. As of this writing (9/8/2014), 15 of these proposals have been awarded funding.

At the end of the FY, there were a total of 69 active externally funded projects. The amount of external funding awarded to the University during the 2013-2014 period was **\$11,767,691**. The university earned **\$655,640** in facilities and administrative costs, which represents a 5.9% return percentage on total direct costs.

Figure 1 provides a comparison of funding amounts in dollars awarded to CSUDH over the last five years.

Grant award activity over the last five years.



As compared to FY 2012-2013, external funding in terms of direct costs for FY 2013-2014 increased 3.4% or \$387,928.

Source of External Awards

The following agencies provided grant or contract support during FY 2013– 2014. Multiple awards were received from some agencies.

Federal Agencies

Americorps	National Institutes of Health
U.S. Department of Education	National Science Foundation
U.S. Department of Energy	National Endowment for the Humanities
U.S. Department of Homeland Security	Nuclear Regulatory Commission
U.S. Department of Health and Human Services	Small Business Administration
U.S. Agency for International Development	

Other Entities

Boston Children's Hospital	Managed Clear Solutions, Inc.
Jumpstart for Young Children, Inc.	Mental Health America
Long Beach Unified School District	Pomona Unified School District
Los Angeles Superior Court	Port of Los Angeles
Los Angeles Unified School District	Shields for Families

Universities and Colleges

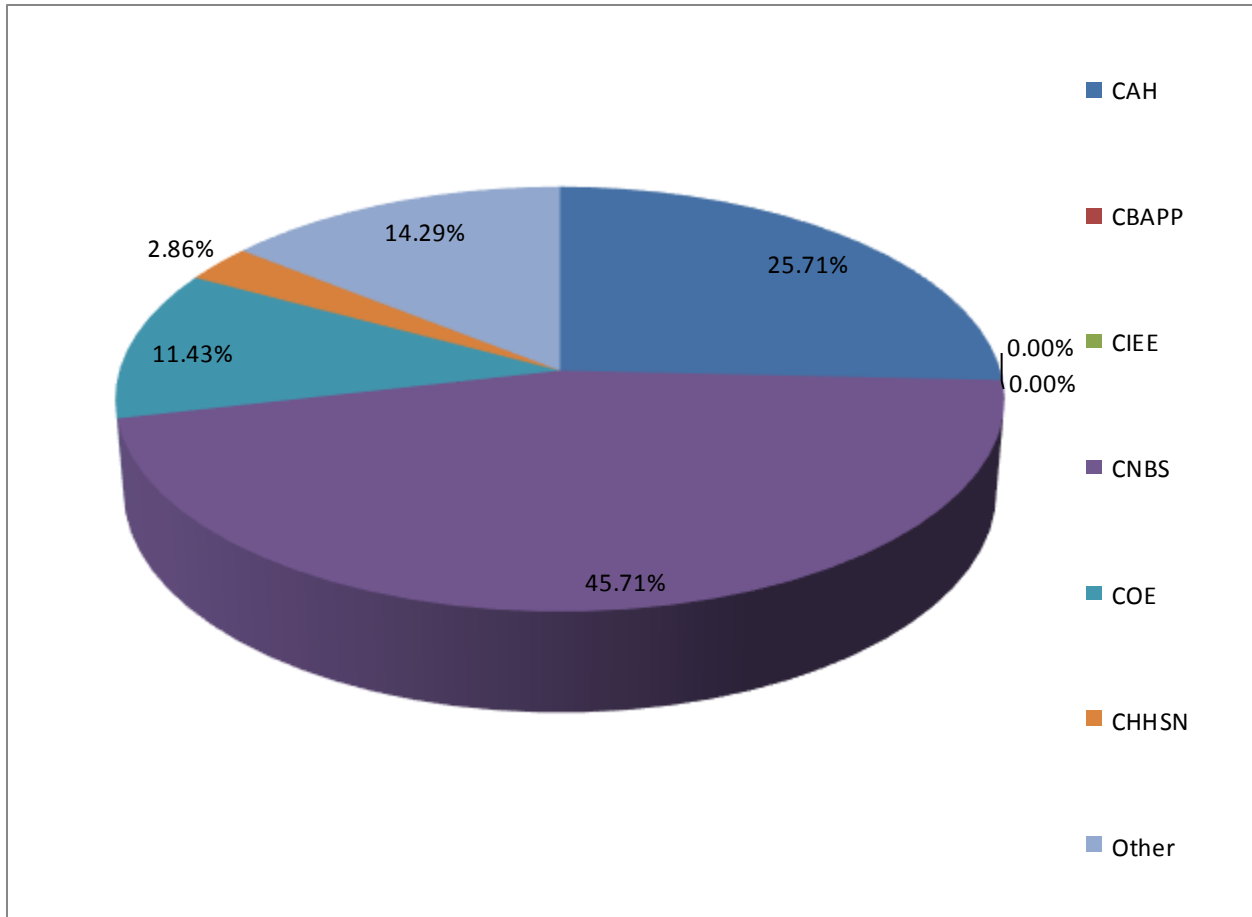
CSU Northridge	UC Berkeley
CSU Office of the Chancellor	UCLA
CSU Sacramento	UC Office of the President
Georgetown University	University of Houston/Downtown
Mt. San Antonio College	University of Illinois

Foundations

Brennan Foundation	John Templeton Foundation
Bill and Melinda Gates Foundation	Georgia and Nolan Payton Foundation
William Keck Foundation	Southern California Mediation Association
	UPS Foundation

2013-2014 Proposal Submissions by College/Administrative Unit

University faculty and staff submitted 35 proposals through the Office of Research and Funded Projects in 2013-2014. 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
CIEE	College of International and Extended Education
CNBS	College of Natural and Behavioral Sciences
COE	College of Education
CHHSN	College of Health, Human Services and Nursing
Other	Academic Affairs, Associated Students, University Library, Enrollment Management and Student Affairs

**List of submitted proposals and funded projects
for 2013-2014 (July 1, 2013—June 30, 2014)**

**List of Research, Scholarly and Creative Activity
Internal Awards Program Recipients 2013-2014**

College of Arts and Humanities

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Nancy Erbe	Negotiation, Conflict Resolution and Peacebuilding	CSUDH Fulbright Hays 2014	US Department of Education	Pending	\$0	\$125,000
Lisa Hutton	Liberal Studies	The California History Social Science Project	CHSSP/UC Davis	Yes	\$1,662	\$22,440
Lisa Hutton	Liberal Studies	The History Project at CSUDH	LAUSD	Yes	\$1,280	\$17,280
Vivian Price	Inter-Disciplinary Studies	Who Does the Work?	Port of Los Angeles	Yes	\$0	\$16,00
Laura Talamante	History	Sex, Scandal and Power Relations: Fom Marseille to Venice, Conjugal Disturbances, Elites and Society in the Eighteenth Century	National Endowment for the Arts	No	\$0	\$6,000
Laura Talamante	History	CSUDH NEH Summer Stipend	National Endowment for the Humanities	No	\$0	\$6,000
Laura Talamante	History	Brown Foundation Fellows Residency Program	MFA Houston	Yes	\$0	\$9,500
Laura Talamante	History	CSUDH Camargo Foundation	Camargo Foundation	No	\$0	\$6,000
Kate Fawver	History	The Evolution of Societies: The American Example	Institute of International Education	Yes	\$0	\$39,500

College of Natural and Behavioral Sciences

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Antonia Boadi	Computer Science	Information and Intelligent Systems (IIS): Core Programs subcontract from USC	National Science Foundation	No	\$1,691	\$19,766
Antonia Boadi	Computer Science	Probabilistic Risk Assessment of Robots used in Nuclear Safety Applications	Nuclear Regulatory Commission	Yes	\$57,905	\$195,775
Frederic Brulois	Computer Science	Pre-Calculus Hybrid Course Implementation	CSU Northridge/ Gates Foundation	Yes	\$3,194	\$35,132
Michael Durand	Physics	Atomic and Molecular Modeling in Dipole Geometry	National Science Foundation	No	\$0	\$45,892
Kenneth Ganezer	Physics	R & D for the NNbarX neutron oscillation experiment at Fermilab: Simulation of the intranuclear cascade and nuclear fragmentation and initial design of the detector and data selection algorithm	US Department of Energy	No	\$47,002	\$158,913
Kenneth Ganezer	Physics	X-ray scattering and spectroscopy to Improve Mammography and Breast Cancer Diagnostics	National Institutes of Health	No	\$44,680	\$141,811
Matthew Jones	Mathematics	CSUDH/LAUSD iPad/PD Workshop	Los Angeles Unified School District	Yes	\$367	\$31,973
Matthew Jones	Mathematics	Math on Mondays for PVUSD	Palos Verdes Unified School District	Yes	\$572	\$7,722

College of Natural and Behavioral Sciences (continued)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Matthew Jones	Mathematics	California Math Project CSUDH	UC Office of the President	Yes	\$2,519	\$34,000
Matthew Jones	Mathematics	NCLB 11 CSUDH	US Department of Education	Pending	\$70,878	\$240,634
Judy King	Earth Science	CSUDH Living Lab	CSU Office of the Chancellor	Pending	\$0	\$12,000
Ken Ganezer	Physics	X-ray scattering and spectroscopy to improve mammography and breast cancer diagnostics	National Institutes of Health	Pending	\$41,631	\$140,751
Jerry Moore	Anthropology	Divergent Trajectories in the Origins of Complex Societies in the Equatorial Andes: Integrated Geophysical Survey at Archaic and Formative Period Sites in the Department of Tumbes, Far Northern Peru	Curtiss T. and Mary G. Brennan Foundation	Yes	\$0	\$2,275
Jerry Moore	Anthropology	Divergent Trajectories and Social Complexity in the Equatorial Andes: Multidisciplinary Investigations at Archaic and Formative Period Sites in the Department of Tumbes, Peru.	National Science Foundation	No	\$11,375	\$81,856
Ariana Pitchon	Anthropology	Food Security and Pier Fishing in Los Angeles County: Demographics, Risks and Public Health	Haynes Foundation	No	\$1,200	\$13,200
John Price	Physics	Photoproduction of Multiply-Strange Hyperons at Class	US Department of Energy	Yes	\$17,329	\$55,000
Bin Tang	Computer Science	NeTS: Small: Adaptive Data Preservation in Intermittently Connected Sensor Networks: A Unified Storage-Energy Optimization Approach	Azusa Pacific University/ National Science Foundation	Yes	\$33,932	\$107,698

College of Education

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Leena Furtado	Graduate Education	Pathways to Excellence in Graduate Studies	US Department	No	\$33,748	\$455,593
Kamal Hamdan	Teacher Education	Design, Implementation and Efficacy of NGSS-Aligned Earth Science Field Guides	National Science Foundation	No	\$27,191	\$163,145
Kamal Hamdan	Teacher Education	Special Education Resource Interventionist	US Department of Education	Yes	\$9,174	\$249,995
Kamal Hamdan	Teacher Education	STEM Teachers in Advanced Residency (STAR)	US Department of Education	Pending	\$132,159	\$2,079,413

College of Health, Human Services and Nursing

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Anupama Joshi	Nursing	Youth Career Connect Program	South Bay Workforce Investment Board	Pending	\$42,264	\$464,904

Enrollment Management and Student Affairs

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
William Franklin	Enrollment Management and Student Affairs	CSUDH 2014 Title V	US Department of Education	No	\$38,600	\$521,100
Kristina Londy	Multicultural Center	CSUDH Circle of Change	The UPS Foundation	Yes	\$0	\$12,000

University Library

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Greg Williams	University Archives	CSUDH Japanese American Digitization Grant	National Endowment for the Humanities	Yes	\$4,285	\$39,995

Academic Affairs

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Mitch Maki	Office of the Provost	CSUDH First in the World 2014	US Department of Education	Pending	\$74,071	\$999,957

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

Incentive RSCA Grant (IRG) Recipients		
P.I./ P.D.	Department	Project Title
H.K. Choi	Biology	Construction of pseudophosphorylated growth hormone mimics by site-directed mutagenesis
Helen Chun	Biology	STAT5 and c-Myc in an ATM-Dependent Pathway in Human Blood Cells
Jianchao Han	Computer Science	A Parallel Algorithm Implementation for Big Data Analytics Using MapRequest
Scott Hornbeak	Orthotics and Prosthetics	Investigation of Medial Lateral Displacement of Center of Pressure and Center of Mass during Double Support in Persons with Unilateral Transfemoral Amputations
Cynthia Johnson	Nursing	International Collaboration in Nursing Education-Project Afya
Terrence McGlynn	Biology	Thermal biology of rainforest understory and the biodiversity of litter-dwelling ants
Jerry Moore	Anthropology	Prehistoric archaic/formative transitions in far northern Peru: integrated geophysical surveys in Tumbres, Peru
Matt Mutchler	Sociology	Young Latino Men who have Sex with Men (YLMSM): Working with Family and Close Friends to Prevent Alcohol Misuse, HIV Transmission and Promote HIV Testing
Sue Needham	Anthropology	Cambodian Community History and Archive Project
Enrique Ortega	Health Sciences	Application of GIS technologies for community health risk factors, a pilot and feasibility study
Keisha Paxton	Psychology	Sexual Health among College Students
Kenneth Rodriguez	Chemistry/ Biochemistry	Structural Study of B-Cell Lymphoma 2 (Bcl-2) Protein by Fourier Transform Infrared Spectroscopy
Ralph Saunders	Earth Science and Geography	Monitoring and Mapping Changes in Wild Animal Habitat in the Mt. Tamalpais Watershed
Myron Sheu	Computer Science	Exploring a Tailored Model to Address Gender Gap in Computing Education

Incentive RSCA Grant (IRG) Continued

P.I./ P.D.	Department	Project Title
LaTanya Skiffer	Sociology	Competitive External Funding Proposal Development Grant
Laura Talamante	History	Sex, Scandal and Power Relations: From Marseille to Venice, Conjugal Disturbances, Elites and Society in the Eighteenth Century

Faculty RSCA Grant (FRG) Recipients

P.I./ P.D.	Department	Project Title
Heather Butler	Psychology	Can critical thinking ability predict the occurrence of real life events?"
Wing Nam Chan	Anthropology	The Cultural and Historical Context of Disease in an Early 20th Century American Osteopathological Skeletal Collection
Anne Choi	Interdisciplinary Studies/PACE	Lessons Learned from the elimination of Adult Day Health Care (ADHC) in Los Angeles County
Veronica D'Aquino	University Library	CSUDH Asian American digitization Project
Brian Gregor	Philosophy	Philosophy, Religion, and the Practices of Self-Formation
You Jin Kim	Marketing and Management	What makes minority employees become effective internal leaders
Salvatore Russo	Political Science	The Use of Dichotomous Terms in Political Discourse by Mainstream Media Outlets
Sharrell Luckett	Theater Arts and Dance	Young, Gifted and Fat
Jeb Middlebrook	Sociology	#HipHopWorld Conference



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Jeb Middlebrook	Sociology	#HipHopWorld Conference
Nop Ratansiripong	Nursing	ATOD Health and Risk Behaviors Survey
Rui Sun	Public Administration	Globalization and Subnational Debt
Bin Tang	Computer Science	A Simulation Framework for Modeling, Analyzing, and Evaluating Data-Intensive Scientific Workflows
Charles Thomas	Accounting, Finance and Law	No Longer Child's Play: Identifying the Minor Violent Video Game Player
Bing Xu	Management and Marketing	An Empirical Study on the Moderate Effects on the Relationship between New Product Creativity and Customer Purchase Intention



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