

**California State University
Dominguez Hills**

**2008/2009
Annual Report**

**Office of Research
and Funded Projects**

**Research
Scholarship
Creative Activity**

Acknowledgment

The following individuals contributed to the development of this report: Ricky Bluthenthal, Interim Dean Graduate Studies and Research; Craig Geber, Associate Director, Office of Research and Funded Projects; Clementine Sessoms, Grant Development Associate, Office of Research and Funded Projects; Geneva Williams, Office of Research and Funded Projects, Laura Robles, Interim Dean, College of Natural and Behavioral Sciences, and Gloria Mendez, Direct 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 of 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 three internal faculty award programs:

- The Sally Casanova Memorial Research, Scholarship, and Creative Activities Awards Program (RSCAAP) is an annual distribution of seed funds from the Office of the Chancellor to Unit 3 faculty.
- The Foundation Proposal Development Program allocates funds derived from recovered facilities and administrative costs to faculty or staff for grant writing activities.
- The Provost's Research Opportunity Program (PROP) supports grant development activities by providing funds for faculty attending technical assistance workshops that will enhance their ability to successfully develop a competitive external proposal.

The ORFP also coordinates the 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 Graduate Studies and Research.

A summary of the accomplishments of Office of Research and Funded Projects for the fiscal year July 1, 2008 - June 30, 2009 is reported on the following pages.

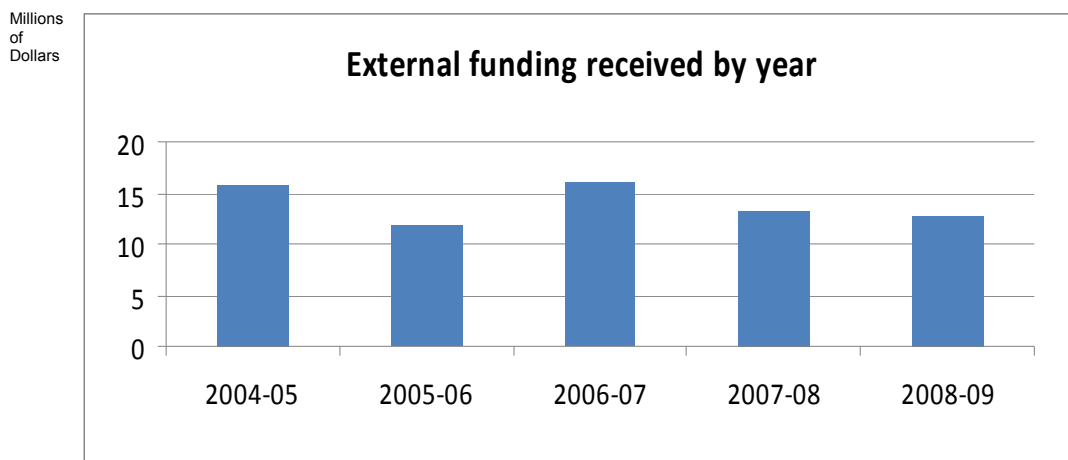
I. Summary of External Funding Activity for Research, Scholarship, Creative Activity and Programs that Advance the University Mission

During fiscal year (FY) 2008-09, the Office of Research and Funded Projects assisted 57 members of the CSUDH faculty and staff to submit 79 new proposals. As of this writing (10-01-09), 18 of these proposals had been awarded funding.

At the end of the FY, there were a total of 78 external funded projects led by 47 faculty and staff members. The amount of external funding awarded to the University during the 2008-09 period was **\$12,935,744**. The university earned **\$943,562** in facilities and administrative costs, which represents a 7.87% 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 1. Grant award activity over the last five years.



As compared to FY 2007-08, external funding in FY 2008-09 declined a modest 2.7% or \$350,766.

Funding of our 78 active projects is provided by a variety of sources including direct awards from federal agencies (i.e., National Institutes on Health, Department of Education), State agencies, private foundations, and other entities (mostly local school districts). Funding is also provided through subcontracts with other entities such as universities, colleges, and non-profit research organizations (i.e., the RAND Corporation and RTI International). Twenty-six awards were derived from Federal sources, equaling 33% of the total dollars awarded, while other entities provided 24 awards (31%). Another 20 awards (26%) were provided by universities and colleges. We received 5 direct awards from the State (6%) and 3 from private foundations (4%). Figure 2 summarizes the proportion of awards by source.

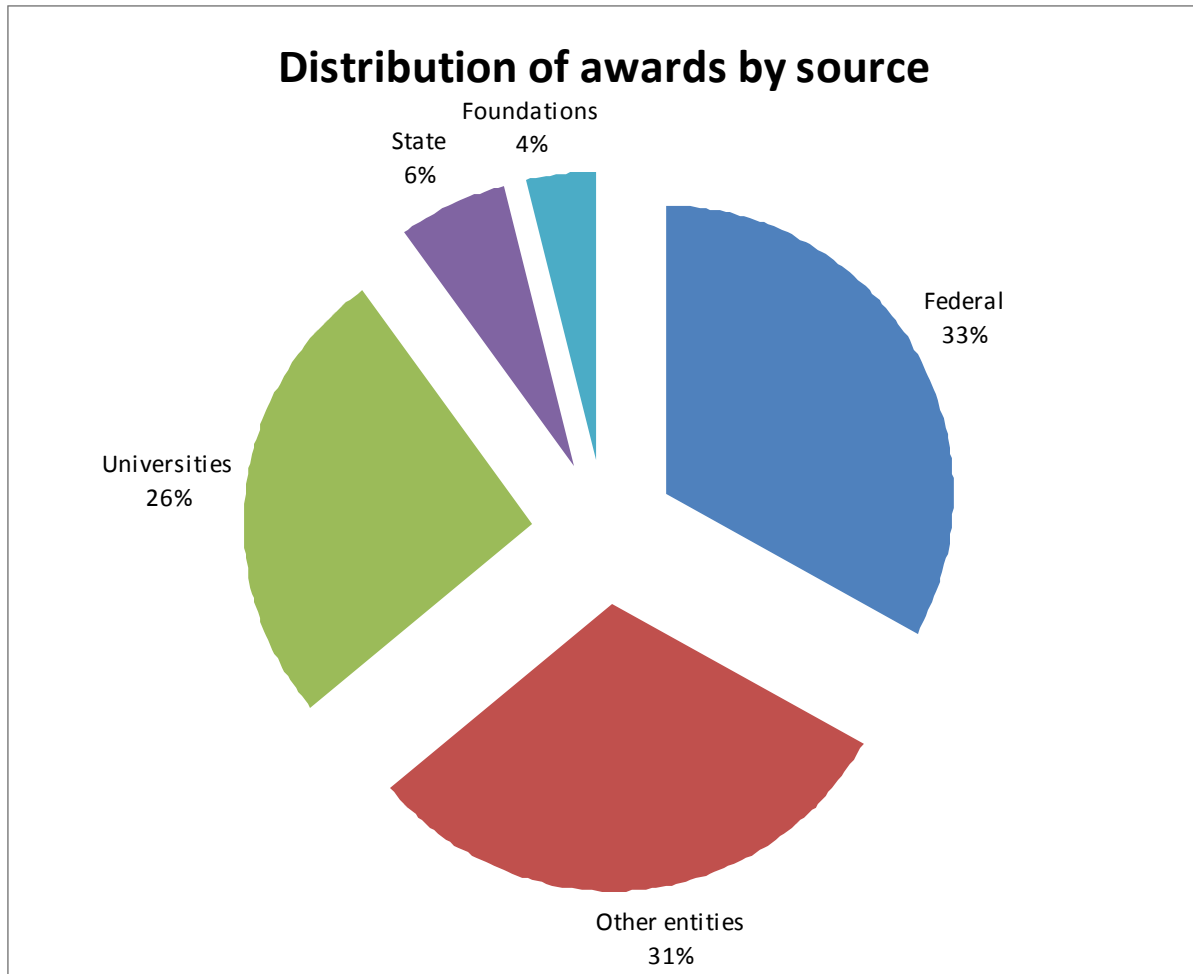


Figure 2. Distribution of awards by funding source for FY 2008—2009.

Source of External Awards

The following agencies provided either grant or contract support during FY 2008-09. Multiple awards were received some agencies.

Federal Agencies

Americorps	National Academy of Sciences
Centers for Disease Control and Prevention	National Geospatial Agency
Department of Agriculture	National Institutes of Health
Department of Education	National Science Foundation

Other entities

Hospital Council of Northern/Central CA	Lynwood Unified School District
Lennox Unified School District	Mental Health America LA
Long Beach Unified School District	RAND Corporation
Los Angeles Junior Chamber of Commerce	Shields for Families
Los Angeles Superior Court	Whittier School District
Los Angeles Unified School District	

Universities and Colleges

CSU Long Beach	UC Berkeley
CSU San Bernardino	UCLA
Mt. San Antonio College	UC Office of the President
San Diego State University	University of Wisconsin
Santa Monica College	

State of California

California Commission on Teaching Credentialing	Office on AIDS
CA Council for the Humanities	Office on Family Planning

Foundations

Bernard Osher Foundation	Verizon
George Nolan Payton Foundation	

Grant Award Distribution by Academic Unit

Faculty and staff in the College of Professional Studies receive 61% of the external funding followed by 26% for the College of Natural and Behavioral Sciences (Figure 3).

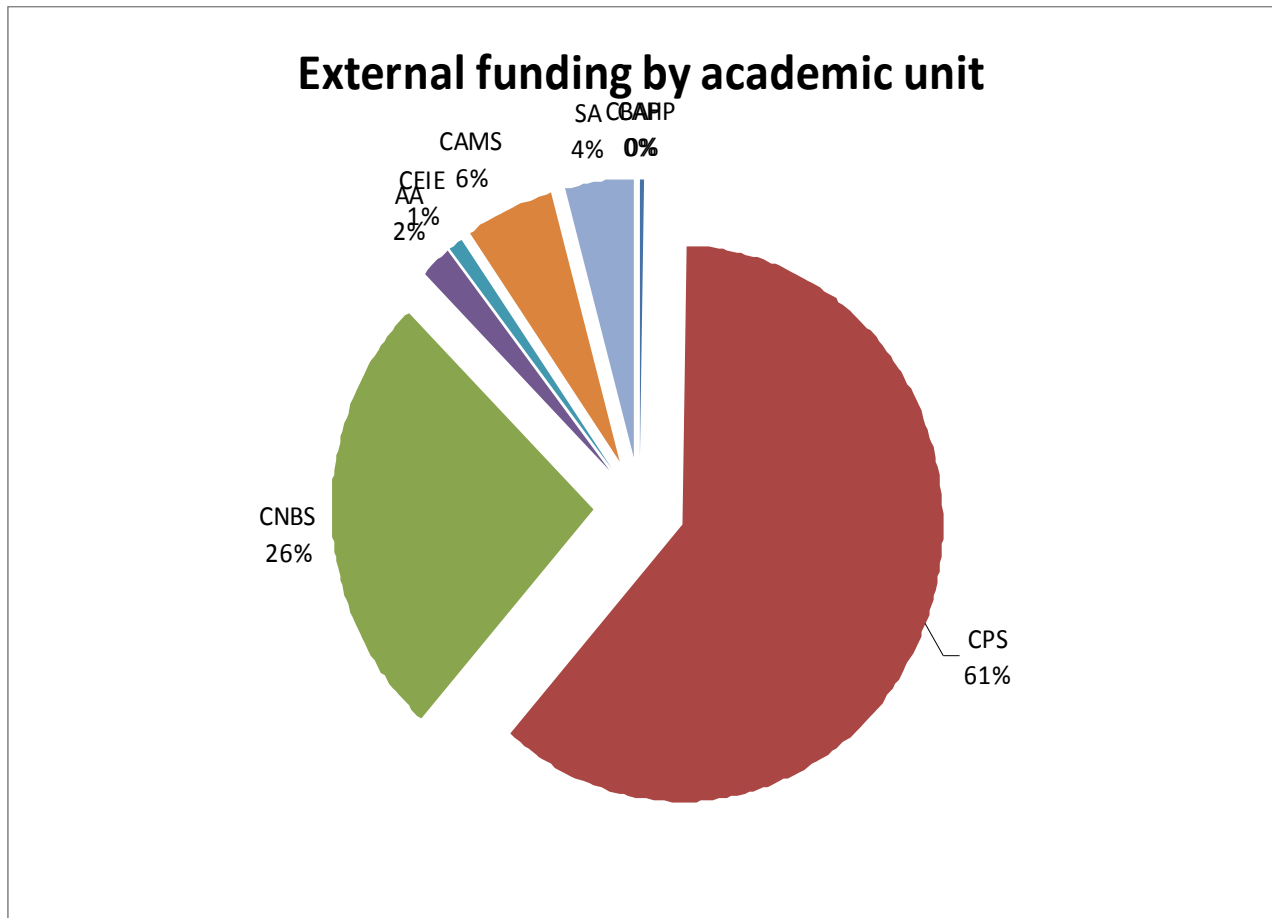


Figure 3. External funding by academic unit in FY 2008-2009.

AA	= Academic Affairs
CAMS	= California Academy of Math and Science
CAH	= College of Arts and Humanities
CBAPP	= College of Business Administration/Public Policy
CEIE	= College of Extended and International Education
CNBS	= College of Natural and Behavioral Sciences
CPS	= College on Professional Studies
SA	= Student Affairs

Details of Grant Activity by Academic Unit 2008-2009

Academic Unit	Total Proposals Submitted	FY 2008-09 Awards and Grants	Amount Funded	Funding % increase or decrease from prior FY
College of Arts and Humanities	4	3	\$46,495	-0.07%
College of Business Administration and Public Policy	0	0	\$0	-100%
College of Extended and International Education	2	1	\$100,000	+100%
College of Natural and Behavioral Sciences	38	31	\$3,376,231	-4.5%
College of Professional Studies	27	36	\$7,910,033	+5.7%
Division of Academic Affairs	2	2	\$239,364	-74.3%
Division of Student Affairs	3	4	\$538,622	+9.3%
California Academy of Math and Science	1	1	\$725,000	-3.4%
University Library	2	0	\$0	0%
TOTAL	79	78	\$12,935,744	-2.7%

**List of submitted proposals and funded projects:
FY 2008-09**

Division of Academic Affairs

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Cheryl McKnight	Service Learning	Justice Corps	Superior Court of Los Angeles	Awarded	NA	8,364
Laura Robles	Academic Programs	MBRS Rise	DHSS/NIH	Awarded	33,750	455,626

College of Arts and Humanities

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
James Keville	Art	CSUDH Ceramics for CUSD	National Endowment for the Arts	Pending	15,624	
Jose Morin	Chicano/a Studies	American Dream Center	Housing and Urban Development	Pending	51,852	
Laura Talamante	History	Early American History Seen Through the Eyes of an Early California Family, 1780s-1920s	NEH	Pending	15,794	
Irene Vasquez	Chicano/a Studies	Cross-Cultural Certificate Program	CSUDH	Pending	NA	

College of Professional Studies

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Carrie Blackaller	Special Education	Special Education University Intern Mini-Grant	CCTC/Lennox Unified School District	Awarded	48,037	647,377
Joseph Braun	Teacher Education	Quality Educator Development: Supplemental Funding for Algebra Teacher Summer Stipends	U.S. Department of Education	Awarded	NA	50,000
Joseph Braun	Teacher Education	Quality Educator Development	Boeing	Awarded	NA	50,000
Ann Chlebicki	Teacher Education	School Leadership Program: Leaders for Urban Schools	U.S. Department of Education	Awarded	43,424	692,221
Lynne Cook	Graduate Education	Teacher Education for the Advancement of a Multicultural Society	Americorps	Awarded	649	201,994

College of Professional Studies (continued)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Lynne Cook	Teacher Education	Communities of Excellence Raising Achievement	California Post-Secondary Education Commission	Pending	19,610	
Lynne Cook	Teacher Education	Early Start Pathway	U.S. Department of Education	Pending	14,426	
Dennis Corbin	Social Work	Urban Congregations and Minority Youths' HIV Risk	DHHS	Awarded	3,103	11,969
Jamie Dote-Kwan	Special Education	An Evidence-Based Emergent Literacy Curriculum for Toddlers with Visual Impairments	CSU Northridge	Pending	32,904	
Leena Furtado	Graduate Education	SUI Academic-Achievement Partnership	California Post-Secondary Education Commission	Pending	21,702	
Pat Gallagher	Teacher Education	Training Personnel to Serve Infants, Toddlers and Pre-Schoolers (TESCE) with Disabilities	U.S. Department of Education	Pending	5,185	
Cynthia Grutzik	Liberal Studies	Career Ladder Program	LAUSD	Awarded	418	5,644
Kamal Hamdan	Teacher Education	Transition to Teaching	U.S. Department of Education	Awarded	47,606	642,686
Kamal Hamdan	Teacher Education	Mathematics and Science Master Teacher Initiative	NSF	Awarded	NA	750,000
Pat Hinchberger	Nursing	New Careers in Nursing Scholarship Program	Robert Wood Johnson	Pending		
Scott Hornbreak	Health Science	Investigation of Employment Opportunities in Orthotics and Prosthetics for Individuals with Amputations	U.S. Department of Education	Pending	24,782	
Cheryl Jackson-Harris	Clinical Science	Healthcare Laboratory Workforce Initiative	Hospital Council of Northern/ Central California	Awarded	NA	22,034
Anupama Joshi	Child Development	Higher Education Advancement Delivering Success through University Partnerships (HEADS-UP) for Head Start Teachers	DHHS/ Administration for Children and Families	Awarded	67,728	261,235
Mitch Maki	Dean's Office	Claremont Graduate University Center of Excellence	Claremont Graduate University	Pending	29,225	
Hedy Moscovici	Teacher Education	Improving Middle School Science and Math Achievement	California Post-Secondary Education Commission	Not Funded		

College of Professional Studies (continued)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Larry Ortiz	Social Work	CALSWEC Title IV E	CA Social Work Education	Awarded	12,000	1,031,504
Ann Selmi	Special Education	Training Personnel to Serve School Age Children with Low Incidence Disabilities	U.S. Department of Education	Pending	5,185	
Carole Shea	Nursing	ADN to MSN Collaborative	CCCCO	Awarded	NA	35,280
Carole Shea	Nursing	Gift Agreement and MOU for MSN Coursework at St. Jude	St. Jude Medical Center	Awarded	NA	
Carole Shea	Nursing	BSN Program	St. Jude Medical Center	Pending	NA	0
Carole Shea	Nursing	Public/Private Partnership Pilot Program	California Labor and Workforce Development Agency	Pending	14,698	
Rose Welch	Nursing	Advanced Education Nursing Traineeship	HRSA	Awarded	NA	166,220

College of Natural and Behavioral Sciences

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Jackie Barab	Mathematics	Baldwin Park Mathematics Project	California Post-Secondary Education Commission	Pending	20,047	
Jackie Barab	Mathematics	IUSD/CSUDH Mathematics Partnership and Collaborative (MATH PAC)	Inglewood USD/ State of California	Pending	10,182	
Mohsen Beheshti	Computer Science	S-STEM	NSF	Pending	NA	
Mohsen Beheshti	Computer Science	Revitalizing Engagement through Access to Computational Thinking	NSF	Pending	19,401	

College of Natural and Behavioral Sciences

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Mohsen Beheshti	Computer Science	A Mathematical Framework for Articulating, Quantifying and Calibrating Estimative Judgments and Intelligence Assessments	Department of Defense/National Geospatial Intelligence Agency	Not Funded		
Mohsen Beheshti	Computer Science	Regional Information Systems Security Center	Mt. San Antonio Community College	Awarded	5,315	20,500
John Carvalho	Biology	Study of Retrovirus Nuclear Accumulation/Association with Host Cell Proteins Using SIRNA	CSU Chancellor's Office	Pending	NA	
H.K. Choi	Biology	Louis Stokes AMP	CSU Sacramento via NSF	Awarded	NA	138,500
H.K. Choi	Biology	The Role of Psuedo-Phosphorylated Growth Hormone in Cell Proliferation and Modulation of Intracellular Signaling Pathways	NSF	Pending	22,615	
Kenneth Ganezer	Physics	Neutrino Physics, Baryon Number Non-Conservation and Astrophysics at Super Kamiokande and the T2K Long Baseline Experiment	NSF	Awarded	30,345	333,000
Jack Han	Computer Science	Mentored Pair Programming: Implementing a New Instructional Strategy to Enhance Introductory Computer Science Courses	NSF	Not Funded		
Rod Hay	Dean's Office	Enhanced Biomass Conversion Through Engineering of a Synthetic Cellulosome	NSF	Not Funded		
Matthew Jones	Mathematics	California Math and Science Partnership	Whittier City Elementary	Awarded	4,467	60,301

College of Natural and Behavioral Sciences (continued)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
John Keyantash	Earth Science	Educational Models for the Impact of Global Climate Change on the Hydrological Cycle, as Supported by NASA Satellite Observations	NASA	Pending	9,709	
Eunice Krinsky	Mathematics	SCALE Supplement	NSF	Awarded	NA	492,800
Leonardo Martinez	Chemistry	Collaborative Research: STEM in Common: Networking for Long-Term Success	NSF	Pending	12,802	
Karen Mason	Psychology	Ethnic Disparities in the Psychosocial and the Neurocognitive Predictors of Health Outcome in HIV Affected Adults	NIH	Awarded	35,000	142,000
Terry McGlynn	Biology	Collaborative Research: US/Costa Rica International Research	NSF	Awarded	3,420	150,677
Terry McGlynn	Biology	IBEST Program: Inquiry-Based Education for Science Teachers	NSF	Not Funded		
Brendan McNulty	Earth Science	Characterization and Assessment of MTBE and TBA Contamination of Groundwater: Student Immersion in a Real-World Problem	NSF	Pending	NA	
Brendan McNulty	Earth Science	Modernizing the Earth Science Curriculum at CSU Dominguez Hills	NSF	Pending	28,721	
Jerry Moore	Anthropology	Divergent Trajectories to Prehistoric Social Complexity in the Equatorial Andes	Wenner-Gren Foundation	Pending	NA	

College of Natural and Behavioral Sciences (continued)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Matt Mutchler	Sociology	Gay Boy Talk: Culture Of Sexual Health Communication	UCOP HIV/AIDS Research	Pending	16, 167	
Matt Mutchler	Sociology	Sex, Drugs, and HIV: How Substances Became Associated With Sex Among African-American and Latino Young Men Who Have Sex With Men	NIH	Awarded	35,000	135,000
Susan Needham	Anthropology	Cambodian Community History—Archive Website	California Council for the Humanities	Awarded	1,818	20,000
Susan Needham	Anthropology	Cambodian Community History and Archive Project	Haynes Foundation	Pending	4,038	
Susan Needham	Anthropology	Cambodian Website Project	Historical Society of Long Beach	Pending	1,569	
Alice Newman	Physics	Making Physics Easy	NSF	Pending	9,062	
Keisha Paxton	Psychology	Black Man's Sexual Schemas and Sexual Behaviors	Charles Drew University	Pending	11,505	
Ana Pitchon	Anthropology	Product and Market Innovations to Promote Economic Sustainability of California's Commercial Fisheries	California Ocean Protection Council	Pending	7,774	
Ana Pitchon	Anthropology	Marine Ecology and the Public: Interpretive Signs on Los Angeles County Piers	California Coastal Commission	Not Funded		
Ana Pitchon	Anthropology	Understanding Elements of Food Insecurity in the U.S. Through a Comparative Analysis of Urban and Rural Recreational Fishing Groups	NSF	Not Funded		

College of Natural and Behavioral Sciences (continued)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
John Price	Physics	Photoproduction of the Cascade Hyperons with the CLAS Detector at Jefferson Laboratory	Department of Energy	Awarded	15,037	58,000
Laura Robles	Biology	MBRS Rise at CSUDH	NIH	Awarded	3,112	42,012
Ashish Sinha	Earth Science	Reconstructing Winter-Time Atmospheric Circulation Variations Using Speleothem Oxygen Isotope Records From Sierra Nevada Mountains: Implications for Understanding the Late-Holocene Megadroughts in the Southwest U. S	NOAA	Pending	26,916	
Tara Victor	Psychology	Learning From the Inside Out: The Impact of Mindfulness Training on Student Health, Well-Being and Ability to Learn	CSU Chancellor's Office	Pending	NA	
Tieli Wang	Chemistry	SCORE-SC3	NIH	Pending	26,250	
John Wilkins	Mathematics	CSUDH Mathematics Project	California Mathematics Project	Pending	2,381	

Division of Student Affairs

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Sue Borrego	Student Affairs	Verizon Grant	Verizon	Awarded	NA	50,000
Sue Borrego	Student Affairs	Wal-Mart Student Success Initiative	Institute for Higher Education	Pending	4,541	
William Franklin	Student Affairs	Minority Serving Institutions: Models of Success Program	Lumina Foundation	Not Funded		

College of Extended and International Education

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Margaret Gordon	Dean's Office	Lifelong Learning	Bernard Osher Foundation	Awarded	NA	100,000
Margaret Gordon	Dean's Office	Center for Intercultural Education and Development	Georgetown University/USAID	Pending	26,494	

University Library

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Wei Ma	University Library	Information Literacy Education and Assessment Practices in China	CSU Chancellor's Office	Pending	31,567	
Greg Williams	University Library	New Approaches: Tradeswomen Archive Project	NEH	Pending	3,261	

California Academy of Math & Science (CAMS)

P.I./ P.D.	Department	Project Title	Funding Agency	Status	Indirect	Total
Janice Filer	CAMS	CAMS	CSULB	Awarded	53,704	725,000

II. Internal Grant Activity

Sally Casanova Research, Scholarship, and Creative Activity Program (RSCAAP)

The California State University awards approximately \$2,500,000 for faculty professional development for research, scholarship and creative activity in support of the undergraduate and graduate instructional mission of the CSU. CSUDH, according to the guidelines, divides our allocation into fall mini-grants and summer fellowships and awards the funds through the Research, Scholarship, Creative Activity Awards Program (RSCAAP). A call for proposals invites faculty to submit proposals which are reviewed by the University Committee on Research, Scholarship and Creative Activity. Mini-grants and Fellowships are awarded to test promising ideas, support scholarly or creative activities, or obtain preliminary results prior to seeking external support for an activity. Successful proposals for FY 2008-09 are listed below.

Information about this program is available at <http://www.csudh.edu/RF/rfpro11.htm>

2008 - 2009 Fall Mini-Grant Competition

13 Applications; 5 Awards; Total of \$24,244 expended

John Carvalho, Biology

Study of Reovirus u2 Localization and Host Cell Receptor Gene Expression and Antiviral Response

Eric Hwang, Occupational Therapy

Enhance Holistic Healthy Lifestyle with Aging - Development and Validation of an Outcome Measurement

Li-Lin Liu, Accounting and Finance

A Comparative analysis of the CVP Structure of Teaching and Non-teaching Hospitals

Ariana Pitchon, Anthropology

Public Anthropology and Service Learning: Turning Research into Applications

Doris Ressler, Theatre and Dance

Irresistible Force - A Performance of the American College Dance Festival

2008-2009 Summer Fellowship Award Competition

17 Applications; 7 Awards; Total of \$35,000 expended

Sue Needham, Anthropology

Long Beach Cambodian Transnational Connections with Cambodia

Katy Pinto, Sociology

Balancing Family, work, Education, & Mental Health: African American and Latino College Students

Hamid Pourmohammadi, Information Systems and Operations Management

Los Angeles Urban Transportation Network Recovery Following a Catastrophic Event

Doris Ressler, Theatre Arts and Dance

Signature Moves: Dance Rehearsals and Concert Planning

Sharon Sharp, Communications

American Science Fiction Television

Ericka Verba, History

The Life, Work, and Legacy of Chilean Artist Violeta Parra - A Research Proposal

Meng Zhao, Management and Marketing

Marketing-Manufacturing Interfaces for New Products

2008-2009 ORFP Proposal Development Awards

The Proposal Development Awards Program is administered by the Office of Research and Funded Projects. Intended to complement other university research award programs, the Proposal Development Program provides faculty and staff with support beyond that normally provided by the Office of Research and Funded Projects for the preparation of grant proposals to external agencies. Funding is derived from recovered Facilities and Administrative Costs returned to ORFP.

Information is available at: <http://www.csudh.edu/RF/rfpro11.htm>

Hee Kwang Choi

Janine Gasco

Jerry Moore

Proposal submitted to

Proposal submitted to NSF

Proposals submitted to Guggenheim, Wenner-Gren Foundation, and NSF



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