

GRANTS AND CONTRACTS AWARDED IN FISCAL YEAR 2010 TO 10/31/09

PI CO-PI	TITLE AGENCY AWARD #	AMOUNT	PROJECT DATES
<u>Agriculture, Food & Env Sciences</u>			
<u>Agribusiness</u>			
AMSPACHER, WILLIAM	Pack Family/PMA Career Pathways - Fresh Summit Conference PRODUCE MARKETING ASSOCIATION EDUCATION FOUNDATION 09-278-01	\$2,285	02/01/09 - 11/30/09
CAI, XIAOWEI	Trans-Pacific Demands for California Organic Food CSU - AGRICULTURAL RESEARCH INITIATIVE 10-006-01	\$5,000	07/01/09 - 06/30/10
CAI, XIAOWEI	Market Analysis of Ethanol Capacity CSU - AGRICULTURAL RESEARCH INITIATIVE 10-016-01	\$20,000	07/01/09 - 06/30/11
MCCORKLE, ROBERT	U.S. Peace Corps On-campus Recruiter 2009-10 U.S. PEACE CORPS 09-282-01	\$15,855	09/30/09 - 09/29/10
NOEL, JAY HURLEY, SEAN	The Impacts of Changes in Agricultural Transportation Sector on the Competitiveness of the California Specialty Crop Industry U.S. DEPT OF AGRICULTURE (AMS) VIA CSU FRESNO 09-203-01	\$30,000	09/01/09 - 08/31/10
<u>Agricultural Education</u>			
FLORES, ROBERT A.	San Luis Obispo Office Space and Services for CDE Agricultural Education Consultant (2007-2010) U.S. DEPT OF EDUCATION VIA CA DEPT OF EDUCATION 07-186-02	(\$4,483)	01/12/07 - 01/11/10
<u>Animal Science</u>			
EDWARDS, MARK S	Comparative Adaptations To Herbivory In Equids And Other Species With Hindgut Fermentation CSU - AGRICULTURAL RESEARCH INITIATIVE 09-094-02	\$65,285	07/01/08 - 06/30/11
HUMPHREY, BROOKE	Optimal Nutrition for Immunocompetence in Chickens CSU - AGRICULTURAL RESEARCH INITIATIVE 08-075-03	\$36,400	07/01/07 - 06/30/09
HUMPHREY, BROOKE	Acquisition of a Microcapillary Flow Cytometer for Animal Health Monitoring CSU - AGRICULTURAL RESEARCH INITIATIVE 10-073-01	\$3,500	07/01/09 - 06/30/11
<u>BioResource and Agricultural Engineering</u>			
BURT, CHARLES STYLES, STUART	CESU Project #1- 2008-13: Liaison Activites for the Klamath Project U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION, MID PACIFIC REGION 08-309-02	\$75,000	09/29/08 - 09/30/13

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<u>BioResource and Agricultural Engineering</u>			
HOLTZ, ANDREW	Engineering Interventions to Promote Sustainability in Pre & Post Harvest Processing in the California Specialty Crop Sector CSU - AGRICULTURAL RESEARCH INITIATIVE 10-007-01	\$5,000	07/01/09 - 06/30/10
STYLES, STUART	Technical Assistance Program to Water Districts U.S. DEPT OF INTERIOR, BUREAU OF RECLAMATION, MID PACIFIC REGION 09-034-03	\$48,000	09/26/08 - 04/30/10
STYLES, STUART	Evaluation of Modified Drip Irrigation Strategies on Strawberries: Maintenance of Yields While Reducing Irrigation Runoff to Coastal Streams from Sprinklers CSU - AGRICULTURAL RESEARCH INITIATIVE 10-023-01	\$83,621	07/01/09 - 06/30/11
<u>Dairy Science</u>			
FARKYE, NANA	Natural mold inhibition in cheese by lactic acid bacteria DAIRY MANAGEMENT, INC. 09-246-01	\$27,500	07/01/09 - 06/30/10
GOLDEN, BRUCE	Bioinformatics to Implement Genomic Selection U.S. DEPT OF AGRICULTURE (CSREES) - NRI VIA IOWA STATE UNIVERSITY 08-127-01	\$198,952	01/01/09 - 12/31/11
HAYES, KIRBY	Effect of raw milk quality on functionality of reconstituted milk powders DAIRY MANAGEMENT, INC. 09-021-02	(\$26,442)	10/01/08 - 12/31/09
JIMENEZ-FLORES, RAFAEL	Proteomic approach to study milk fat globule membrane proteins as biologically active compounds CSU - AGRICULTURAL RESEARCH INITIATIVE (SYSTEMWIDE) 07-136-04	\$149,418	07/01/07 - 06/30/09
<u>Food Science & Nutrition</u>			
BERNER, LOUISE	Characterization of Protein Intakes Among Older Adults in the US: Quantity, Meal Patterns, Food Sources, Predictors of Adequacy, and Relationship to Anthropometric & Physical Functioning Measures CSU - AGRICULTURAL RESEARCH INITIATIVE 08-087-03	\$25,283	07/01/07 - 06/30/10
BOSE, TANUSHREE	Regulation of NFkB dependent cytokine expression by Vitamin D in adipocytes CSU - AGRICULTURAL RESEARCH INITIATIVE 10-005-01	\$5,000	07/01/09 - 06/30/10
HAMPSON, BRIAN YILDIZ, ILHAMI	Algal Biomass Production Using Closed-Loop Tubular Photobioreactors CSU - AGRICULTURAL RESEARCH INITIATIVE 10-022-01	\$53,775	07/01/09 - 06/30/12
RITCHIE, GERRY	Wine Filtering & Monoblock Bottling System CSU - AGRICULTURAL RESEARCH INITIATIVE 10-019-01	\$110,000	07/01/09 - 06/30/10

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<u>Horticulture & Crop Science</u>			
HEADRICK, DAVID	Biological Control for Citrus Leafminer in coastal California CSU - AGRICULTURAL RESEARCH INITIATIVE 08-175-03	\$19,500	07/01/07 - 06/30/10
VASSEY, TERRY L.	Growing Substrate and Plant Materials Choice for Extensive Green Roofs for the California Central Coast CALIFORNIA LANDSCAPE CONTRACTORS ASSOCIATION - LANDSCAPE EDUCATIONAL ADVANCEMENT FOUNDATION 09-219-01	\$1,200	04/01/09 - 06/01/10
<u>Natural Resource Management</u>			
DICUS, CHRISTOPHER A. THOMPSON, RICHARD	Tradeoffs in Community Benefits Versus Fire Risk in Wildland/Urban Interface Forests CSU - AGRICULTURAL RESEARCH INITIATIVE 08-020-03	\$41,498	07/01/07 - 06/30/09
DICUS, CHRISTOPHER A.	Landscape-Level Impacts To Wildland Fire Severity, Carbon Sequestration And Air Quality As Affected By Alternative Fuel Treatment Strategies CSU - AGRICULTURAL RESEARCH INITIATIVE 10-021-01	\$34,106	07/01/09 - 06/30/12
DIETTERICK, BRIAN	Sustainable Agricultural Practices Workshop - from the forest, rangeland, and cropland to the sea NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION - NOS 09-211-01	\$53,560	10/01/09 - 09/30/10
MARK, WALTER WONG, JEFFREY C.	Monterey pine propagation for California native stand conservation and for the nursery industry CSU - AGRICULTURAL RESEARCH INITIATIVE 08-162-03	\$68,465	07/01/07 - 06/30/09
<u>Architecture & Env Design</u>			
<u>Architecture</u>			
DOERFLER, JAMES	Architecture Design Solutions Student Projects AUTODESK INC. 10-056-01	\$10,000	01/01/10 - 07/01/10
POHL, JENS	ICODES Development and Software Maintenance Support – Stage 19 CDM TECHNOLOGIES, INC. 10-049-01	\$349,993	08/29/09 - 03/26/10
<u>City & Regional Planning</u>			
GREVE, ADRIENNE	City of San Luis Obispo Climate Action Plan U.S. DEPT OF ENERGY NATIONAL ENERGY TECHNOLOGY LAB. (ARRA) VIA SAN LUIS OBISPO, CITY OF 09-308-01	\$1,500	09/14/09 - 04/30/10
	09-308-02	\$251	09/07/09 - 04/30/10

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<u>City & Regional Planning</u>			
NUWORSOO, CORNELIUS TOKER, UMUT	Madera Ranchos Planning Project MADERA, COUNTY OF 09-230-01	\$79,605	06/15/09 - 08/31/10
	09-230-02	\$17,058	06/15/09 - 08/31/10
	09-230-03	\$17,058	06/15/09 - 08/31/10
NUWORSOO, CORNELIUS	Lessons for Bike/Pedestrian Integration into the Infrastructure of Small Urban Communities U.S. DEPT OF TRANSPORTATION AND CALTRANS VIA MINETA AT SJSU 09-283-01	\$40,639	09/01/09 - 11/30/10
NUWORSOO, CORNELIUS	City of Arroyo Grande Community Planning Project CITY OF ARROYO GRANDE 10-063-01	\$10,000	09/21/09 - 05/31/10
Business			
<u>Industrial Technology</u>			
VORST, KEITH SINGH, JAGJIT	Predictive Growth Models for Escherichia coli O157:H7 on Fresh-Cut Produce During Transport and Cold Chain Distribution U.S. DEPT OF AGRICULTURE (CSREES) - NIFSI 09-252-01	\$596,029	09/01/09 - 08/31/12
Engineering			
<u>Aerospace Engineering</u>			
MCDONALD, ROBERT WESTPHAL, RUSSELL	Cal Poly Flight Test Platform and Instrumentation Development U.S. AIR FORCE, EDWARDS AFB 10-051-01	\$41,436	09/30/09 - 09/30/10
PUIG-SUARI, JORDI	CubeSat Integration and Test Support U.S. ARMY VIA MILTEC MISSILES & SPACE VIA SRI INTERNATIONAL 09-293-01	\$27,000	03/01/09 - 03/01/10
PUIG-SUARI, JORDI	P-POD Integration and Launch Support NASA Wallops via Hawk Institute for Space Science LLC 09-303-01	\$32,500	05/01/09 - 05/01/10
PUIG-SUARI, JORDI COELHO, ROLAND	P-POD and RocketPod on Steroids, Phase II DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) VIA ECLIPTIC ENTERPRISES CORPORATION 10-009-01	\$300,000	07/01/09 - 06/30/10
<u>Civil & Environmental Engineering</u>			
HANSON, JAMES	Collaborative Research: Innovative Learning Styles and Universal Access for Geotechnical Engineering Education NATIONAL SCIENCE FOUNDATION (CCLI) 08-189-02	\$45,920	-

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<u>Civil & Environmental Engineering</u>			
HANSON, JAMES YESILLER, NAZLI	Evaluation of thermal conditions and mechanical response of liner systems at the Corralitos Regional Landfill, Task #1 SOUTH CENTRAL SOLID WASTE AUTHORITY 09-271-01	\$20,000	06/01/09 - 05/31/11
JANSEN, DANIEL THATCHER, TRACY	VOC Emissions from Flooring Systems and the Impact of Floor Leveling Screeds ADVANCED RESURFACING CONCRETE PRODUCTS, INC. 10-058-01	\$6,143	09/01/09 - 11/01/09
LUNDQUIST, TRYGVE	Polytech Waterbag, Water Treatment for Disaster Relief NATIONAL COLLEGIATE INVENTORS AND INNOVATORS ALLIANCE (NCIIA) 09-269-01	\$20,000	09/01/09 - 01/31/11
MOSS, ROBB	Risk of Levee Failures in the Western U.S. U.S. DEPT OF HOMELAND SECURITY VIA UNIVERSITY OF NORTH CAROLINA 09-003-02	\$71,491	07/01/09 - 06/30/11
PANDE, ANURAG MITRA, SUDESHNA	A Framework for Developing and Integrating Effective Routing Strategies within the Emergency Management Decision Support System for Transit Centers CALTRANS AND DEPARTMENT OF TRANSPORTATION VIA MINETA AT SJSU 09-312-01	\$33,278	07/13/09 - 06/30/10
<u>College of Engineering</u>			
WALSH, DANIEL	Master's of Science Specialization in Stem Cell Technology CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE 09-007-01	\$465,577	07/01/09 - 06/30/12
<u>Computer Science</u>			
CLARK, CHRISTOPHER MOLINE, MARK	Ice-Edge AUV Mapping and Navigation Experiments in the Arctic NATIONAL SCIENCE FOUNDATION 09-299-01	\$19,963	09/01/09 - 08/31/10
JANZEN, DAVID CLEMENTS, JOHN	NSF CCLI: Test-Driven Learning with WebIDE NATIONAL SCIENCE FOUNDATION (CCLI) 09-218-01	\$153,344	09/01/09 - 08/31/12
<u>Materials Engineering</u>			
VANASUPA, LINDA	Opening the Dialogue to Collaborate for Systemic Change at Cal Poly NATIONAL SCIENCE FOUNDATION VIA NATIONAL ACADEMY OF ENGINEERING 10-008-01	\$2,500	08/28/09 - 12/31/09
<u>Mechanical Engineering</u>			
WESTPHAL, RUSSELL	Boundary Layer Data System for the Aerodynamic Efficiency Improvement Program, Phase 2 Tasks 3C and 3D NORTHROP GRUMMAN 09-089-02	\$49,521	11/06/08 - 12/31/09

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<u>Mechanical Engineering</u>			
WESTPHAL, RUSSELL	Cal Poly Laminar Flow Technology Development -2009 NORTHROP GRUMMAN 09-225-02	\$99,847	03/23/09 - 12/31/09
<u>Liberal Arts</u>			
<u>Cal Poly Arts</u>			
WILT, PETER	Bill Harley NATIONAL ENDOWMENT FOR THE ARTS VIA TOURWEST 09-240-01	\$2,500	05/01/09 - 12/16/09
WILT, PETER	The Spirit of Uganda NATIONAL ENDOWMENT FOR THE ARTS VIA TOURWEST 09-241-01	\$2,500	09/02/09 - 04/03/10
<u>Psychology & Child Development</u>			
CALDWELL, ROSLYN	Prevention and Intervention Services Proposal: The Bakari Project©: A mentoring, treatment intervention, and prevention program for juvenile male probationers SAN LUIS OBISPO COUNTY PROBATION DEPARTMENT 08-144-02	\$63,200	07/01/08 - 06/30/10
<u>Science & Mathematics</u>			
<u>Biological Sciences</u>			
ELROD, SUSAN KELLER, JOHN	Science Teacher and Researcher (STAR) National Pilot Proposal NATIONAL SCIENCE FOUNDATION 10-001-01	\$536,951	09/01/09 - 08/31/11
MOLINE, MARK	CeNCOOS: Long-Term Monitoring of Environmental Conditions in Support of Protected Marine Area Management in Central and Northern California NOAA VIA MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 08-132-03	\$75,001	08/01/08 - 07/31/10
MOLINE, MARK	Southern California Coastal Ocean Observing System (SCCOOS): Shelf to Shoreline Observation Development NOAA VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 08-137-02	\$82,846	07/01/09 - 06/30/10
MOLINE, MARK	Variability of Near Surface Optical Properties in High Sea State Conditions OFFICE OF NAVAL RESEARCH VIA OREGON STATE UNIVERSITY 09-238-01	\$94,106	06/01/09 - 05/31/10
MOLINE, MARK	Shelf to shoreline observation development - Ocean surface current mapping (SCM) component CA STATE COASTAL CONSERVANCY VIA SCRIPPS INSTITUTION OF OCEANOGRAPHY 10-114-01	\$125,000	07/15/09 - 01/15/10

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<u>Biological Sciences</u>			
TAYLOR, EMILY	NIH-NIGMS Bridges to the Baccalaureate Program NATIONAL INSTITUTES OF HEALTH VIA ALLAN HANCOCK COLLEGE 08-183-02	\$162,501	09/30/08 - 08/31/13
TOMANEK, LARS	Collaborative Research: Evolutionary and Ecological Physiology of Blue Mussels (genus Mytilus): Gene and Protein Expression and Molecular Evolution in Differently-adapted Congeners NATIONAL SCIENCE FOUNDATION 07-177-05	\$32,200	09/01/07 - 08/31/10
<u>Chemistry and Biochemistry</u>			
BERBER-JIMENEZ, M. DOLORES BUSH, SETH	California Science Project Teacher Retention Initiative CA POSTSECONDARY EDUCATION COMMISSION VIA REGENTS OF UNIVERSITY OF CALIFORNIA 07-169-03	\$100,000	08/01/06 - 05/31/10
LEHR, CORINNE	Collaborative Research: The Genetics Underlying Prokaryote-Antimony Interactions, with Emphasis on Antimony Oxidation NATIONAL SCIENCE FOUNDATION 08-008-03	\$51,529	01/01/08 - 07/31/11
<u>Kinesiology</u>			
MCDERMOTT, ANN	Community Advocacy to Prevent Childhood Obesity in San Luis Obispo CALIFORNIA ENDOWMENT VIA SAN LUIS OBISPO COUNTY - PUBLIC HEALTH SERVICES 09-243-02	\$18,500	11/01/09 - 10/31/10
PHELAN, SUZANNE	Proposal for Study to Promote Healthy Weight Gain During Pregnancy NATIONAL INSTITUTES OF HEALTH VIA LIFESPAN AT MIRIAM HOSPITAL 09-016-02	\$63,049	09/01/09 - 08/31/10
<u>Mathematics</u>			
RILEY, KATE BERBER-JIMENEZ, M. DOLORES	Central Coast Mathematics and Science Project CA DEPT OF EDUCATION VIA SANTA MARIA-BONITA SCHOOL DISTRICT 07-264-03	\$2,077	07/01/07 - 08/31/09
<u>Physics</u>			
CHRISTIANSEN, JODI	RUI: Analysis of TeV Gamma-rays and Pulsars Observed by VERITAS NATIONAL SCIENCE FOUNDATION 08-088-02 08-088-03	\$73,303 \$13,661	09/01/08 - 08/31/11 09/01/08 - 08/31/11
GILLEN, KATHARINA GUTIERREZ, THOMAS	RUI: Investigation of Atomic Dipole Traps Created by Diffraction of Laser Light for Use in Quantum Computing NATIONAL SCIENCE FOUNDATION (RUI) 09-065-01	\$200,000	08/01/09 - 07/31/12

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<u>Physics</u>			
HOLTZAPPLE, ROBERT	Beam Dynamic Work at Cornell NATIONAL SCIENCE FOUNDATION VIA CORNELL UNIVERSITY 10-014-01	\$87,440	09/15/09 - 06/30/10
KELLER, JOHN BUSH, SETH	Robert Noyce Scholarship Program NATIONAL SCIENCE FOUNDATION (DUE) 08-233-02	\$16,500	-
KLAY, JENNIFER	Software Development for Time Projection Chamber U.S. DEPT OF ENERGY VIA GEORGIA INSTITUTE OF TECHNOLOGY 07-293-03	\$115,598	09/30/07 - 09/29/10
<u>Student Affairs</u>			
<u>Student Academic Services</u>			
GONZALEZ, LUIS	Cal Poly Upward Bound Project (2007-2012) U.S. DEPT OF EDUCATION 07-068-03	\$387,523	09/01/07 - 08/31/10
MARGARITO, CESAR DIPASQUALE, JEANNINE	Student Support Services Program (2005- 2010) U.S. DEPT OF EDUCATION 05-021-05	\$307,863	09/01/05 - 08/31/10
OLVERA, NELDA	Talent Search Program (2007- 2012) U.S. DEPT OF EDUCATION 06-112-03	\$226,600	09/01/07 - 08/31/12
<u>Student Life & Leadership</u>			
CAMPBELL, RENODA	CULTUREFEST 2009 SAN LUIS OBISPO, CITY OF (PCC) 09-275-01	\$1,800	07/01/09 - 06/30/10
HARKINS, JOY LAMB, STEPHAN	Cal Poly's PROMISE Fellows Program - Community Partners 2009-10 VARIOUS NON-PROFIT ORGANIZATIONS 10-050-01	\$36,600	08/10/09 - 08/09/10
LAMB, STEPHAN	California's PROMISE (Pooling Regional Opportunities Maximizes Intensive Service Enhancement) Fellows AMERICORPS VIA NAPA COUNTY OFFICE OF EDUCATION 10-028-01	\$147,987	08/10/09 - 08/09/10
MOCKFORD, JASON	Cal Poly Open House 2010 SAN LUIS OBISPO, CITY OF (PCC) 09-277-01	\$1,000	07/01/09 - 06/30/10

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Other			
<u>Academic Programs</u>			
CONN, W. DAVID	Louis Stokes Alliance for Minority Participation Program (LSAMP) NATIONAL SCIENCE FOUNDATION VIA CSU, SACRAMENTO UNIVERSITY ENTERPRISES, INC. 09-097-03	\$43,000	09/01/08 - 05/31/13
CONN, W. DAVID	Louis Stokes Alliance for Minority Participation Program (LSAMP) Student Scholar Program 2009-10 NATIONAL SCIENCE FOUNDATION VIA CSU, SACRAMENTO UNIVERSITY ENTERPRISES, INC. 09-330-01	\$5,000	06/01/09 - 05/31/10
<u>Facility Services</u>			
FRENCH, BRIAN	Gilardi Road Bridge Replacement FEDERAL HIGHWAY ADMINISTRATION VIA CA DEPT OF TRANSPORTATION (CALTRANS) 07-134-02	\$94,766	03/01/07 - 06/30/15
<u>Performing Arts Center</u>			
REGIER, RON	Youth Outreach for the Performing Arts Center UNITED WAY OF SAN LUIS OBISPO COUNTY 09-056-01	\$4,000	07/01/09 - 06/30/10
<u>University Police Department</u>			
JORDAN, DONNA WATTON, WILLIAM	Bulletproof Vest Partnership 2008 U.S. DEPT OF JUSTICE, OFFICE OF JUSTICE PROGRAMS VIA CA OFFICE OF EMERGENCY SERVICES 08-280-02	(\$468)	01/01/08 - 09/30/10
GRAND TOTALS:		82 Awards	\$6,832,064