

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

**Research**

**DA-Dept of Agriculture**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT, FOREST SVC-FED	Creighton Litton	Natural Resources and Environmental Mgt	Establishing the Pacific Fire Science Consortium	To establish the Pacific Fire Science Consortium (PFSC) through the enhancement of research and extension capacity at the University of Hawaii at Manoa.	1	102,000
AGRICULTURE, DEPT, FOREST SVC-FED	Creighton Litton	Natural Resources and Environmental Mgt	Monitoring Climate and the Impact of Rising Temperature on Belowground Processes	The proposed work will consist of managing a network of climate monitoring equipment located across a mean annual temperature gradient in the Hawaii Experimental Tropical Forest, including system calibration and data quality review and control. Funds will also support work to quantify temperature-related changes in soil carbon formation and decomposition rates through the placement of reconstructed soil cores into each of nine existing permanent plots across the gradient.	1	89,000

**DHHS-Dept of Health and Human Services**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED	Mark Martindale	Pacific Biosciences Research Center	Gene regulatory network evolution and the origin of biological novelties.	The second year of this award was dedicated to the completion of the functional analysis of the cWnt signaling and its input into the cnidarian endomesoderm GRN.	1	263,899
HEALTH & HUMAN SVC, DEPT-NIH-FED	Michelle Seidel	Center for Cardiovascular Research	PDGF Receptor Signaling in Mammalian Development	This project investigates the roles of PDGF receptors in vascular smooth muscle, cardiac fibroblast, and mesenchymal cell development and disease.	1	371,250
HEALTH & HUMAN SVC, DEPT-NIH-FED	Richard Allsopp	Department of Anatomy, Biochemistry, and Physiology	Analysis of the Hif1alpha-mediated Regulation of Telomerase and Telomeres in Stem Cells		1	230,625

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HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Iona C Cheng	Cancer Etiology	Characterizing Mitochondrial DNA Susceptibility to Breast, Colorectal and Prostate Cancers	This project proposes to comprehensively characterize the genetic diversity of the mitochondrial genome among a diverse sample of subjects in the Multiethnic Cohort Study and will investigate whether inherited differences in mitochondrial DNA influence the risk for breast, prostate or colorectal cancer.	1	468,119
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Marc Goodman	Cancer Etiology	Surveillance, Epidemiology and End Results (SEER) Program, SEER Residual Tissue Repository	The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow up of all cancers diagnosed in Hawaii as part of the SEER Program.	1	1,317,833
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	Jerris Robert Hedges	John A. Burns School of Medicine	RCMI Multidisciplinary and Translational Research Infrastructure Expansion Hawaii (RMATRIX)	Through the RCTR award, we propose to establish the RMATRIX as the integrated "home" for clinical and translational research infrastructure in the State of Hawai'i. By partnering with NCRR programs we seek to reorganize and expand the existing RCMI clinical and translational research infrastructure at UHM.	1	3,416,712
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	Richard Yanagihara	Department of Pediatrics	Pacific Center for Emerging Infectious Diseases Research	The overall objective of the proposal is to strengthen and transform the Pacific Center for Emerging Infectious Diseases Research into a translational science center of excellence.	1	2,109,886
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Joe William Ramos	University of Hawaii Cancer Center	RSK-2 Regulates Integrin-Mediated Adhesion Migration (Diversity Supplement)	This is a diversity supplement to my R01 grant that will provide funds for training a minority graduate student working on that project. The goal is to train the student for three years working on how changes in adhesion contribute to glioblastoma invasion.	1	11,270
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST CHLD HLTH&HUM DEV	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	National Children's Study University of Hawaii Study Center - Honolulu County	The National Children's Study (NCS) will study the effect of environmental and genetic influences on children's health by following 100,000 children across the U.S. from before birth to age 21. Study researchers will better understand how children's genes and their environments interact to affect their health and development.	2	189,481

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HEALTH & HUMAN SVC,DEPT-NIH-FED NTL INST CHLD HLTH&HUM DEV	Yusuke Marikawa	Department of Anatomy, Biochemistry, and Physiology	Regeneration of Meiotic Spindle During Oocyte Vitrification		1	75,000

**DOC-Dept of Commerce**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT- NATIONL INST STANDARDS &TECH-FED	Henrieta Dulaiova	Department of Geology and Geophysics	Radionuclide Measurement Assurance for Radiobioassay	Development of necessary metrology assurance tools that supplement and complement established NIST measurement methodologies, including radiobioassay, radiochemistry, measurement techniques and statistical analysis that will contribute to improvements of NIST radiometrology assurance program	1	189,553
COMMERCE, DEPT-NATL NOAA-FED	Bin Wang	Joint Institute for Marine and Atmospheric Research (JIMAR)	Multi-Model Ensemble Forecast of MJO	To develop Multi-coupled Model Ensemble (MME) methodology and real time MME prediction schemes for improvement of the prediction of the Madden-Julian Oscillation (JMO) and the associated western United States precipitation extreme events during the boreal winter	1	163,874

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COMMERCE, DEPT-NATL NOAA-FED	E. Gordon Grau	Sea Grant College Program	Program Development (R/PD-1) FY2012-13 Social Science Initiative Supplement	RATIONALE: This project provides the University of Hawaii Sea Grant College Program (UH Sea Grant) with the ability to plan and develop more effective research and educational programs and projects and provides a better fit of the Sea Grant concept to the region it serves. GOALS & OBJECTIVES: The overall objective of the "Program Development" project is to provide UH Sea Grant with the ability and flexibility to continue to develop the comprehensive research and educational programs capable of making contributions to the understanding, assessment, development, and utilization of marine resources in the state, region, and nation. METHODOLOGY: Program development funds are used to test innovative concepts that have the potential for developing into important research projects. This project also provides support for talent sharing as well as regional programs and projects and, in cooperation with other organizations, cosponsors important professional conferences, workshops, and meetings related to the Sea Grant mission. BENEFITS: Benefits include the ability to test promising new ideas and concepts with modest commitments of resources; to allow current Sea Grant investigators the ability to follow promising new leads, while still completing programmed objectives; and help scientists and program personnel acquire information needed to develop projects and proposals that can make a maximum contribution to the development, use, and preservation of marine resources.	1	105,418
COMMERCE, DEPT-NATL NOAA-FED	Joshua Xiouhua Fu	International Pacific Research Center (IPRC)	Application of DYNAMO/AMIE Observations to Validate and Improve the Representation of MJO Initiation and Propagation in the NCEP CFSv2	Taking advantage of the unprecedented data collected from two intensive field campaigns (DYNAMO/AMIE) to validate and improve the representation of MJO initiation and propagation in latest NCEP CFSv2 model.	1	158,606

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COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Ecosystem Observations and Research Program	Please see narrative attached to grants package for details.	1	440,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Hawaiian Monk Seal Research Program	Please see narrative attached to grants package for details.	1	660,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Joint Institute for Marine and Atmospheric Research (JIMAR) - Task I (OAR Contribution)	Please see narrative attached to grants package for details.	1	41,900
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Marine Turtle Research Program	Please see narrative attached to grants package for details.	1	243,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Profiling CTD Float Array Implementation and Ocean Climate Research	Please see narrative attached to grants package for details.	1	346,548
COMMERCE, DEPT-NATL NOAA-FED	Matthew Church	Joint Institute for Marine and Atmospheric Research (JIMAR)	PMEL - UH Ocean Carbon Project	Please see narrative attached to grants package for details.	1	35,982
COMMERCE, DEPT-NATL NOAA-FED	Paul Jokiel	Hawaii Institute of Marine Biology (HIMB)	Coral Habitat and the Use of Coral by Recruit Reef Fishes: Evaluation of Watershed Reclamation at Pelekane Bay, West Hawaii	The proposed project will provide important supplementary information on in-water responses of coral habitat and the recruit life- stage of a key coral-associated finfish resource that are necessary to fully evaluate a remediation project.	1	27,730
COMMERCE, DEPT-NATL NOAA-FED	Shang-Ping Xie	Joint Institute for Marine and Atmospheric Research (JIMAR)	Improved Extended-Range Prediction through a Bayesian Approach: Exploiting the Enhanced Predictability Offered by the Madden-Julian Oscillation	1) To extend knowledge on the geographical areas & lead times for which the Madden- Julian Oscillation (MJO) may offer enhanced predictability, & 2) to transition that knowledge to enhanced operational National Centers for Environmental Prediction (NCEP)/Climate prediction Center (CPC) forecast products.	1	74,100

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COMMERCE, DEPT-NATL NOAA-FED NATL OCEAN SVC	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Mechanisms of Atmospheric Mercury in Transport and Transformation of the Remote Pacific Marine Free Troposphere Measured in Hawaii	A data set will be assembled that will include the atmospheric measurements currently being conducted at Mauna Loa Observatory and the mercury measurements.	2	3,057,000

**DOD-Department of Defense**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-AIR FORCE	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Operations and Management of the Maui High Performance Computing Center	Cost reimbursement award term contract for research development, operations and management of the Maui High Performance Computing Center.	1	545,655
DEFENSE, DEPT-ARMY	Kenneth Kaneshiro	Pacific Biosciences Research Center	Rare Plant Propagation and Database Management	Provide personnel, management, transportation, etc. to propagate rare native Hawaiian Plants and provide database management services to the Army DPW Natural Resources Program on the Island of Oahu.	1	35,257

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DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Steven G Howell	Department of Oceanography	Connecting tropical marine cloud structures to boundary layer properties and the effect of sea state on whitecap coverage	<p>In recent ship and airborne experiments we found that mesoscale turbulent structures had a strong influence on boundary layer height and aerosol distribution through the marine boundary layer. These structures are often obvious in satellite photos as patterns of cloud streets or more widely separated dendrites. Wavelet analysis reveals a high coherence in these structures among a wide variety of meteorological and aerosol variables, including horizontal wind speed and humidity. We propose here a 3 year effort to examine these mesoscale circulation patterns and their influence on boundary layer structure in trade wind regimes using data from previous projects as well as new data to be gathered on the University of Hawaii ship R/V Kilo Moana. We will deploy a ceilometer and present weather sensor to monitor mixed layer depth and vertical distribution of seasalt aerosols. The ultimate goal is to relate cloud parameters from satellite images to mixed layer depth and vertical distribution of aerosols in the marine boundary layer. We also wish to examine one of the more poorly quantified parameters in wind-driven seasalt aerosol production. It has been observed that whitecaps and hence aerosol production can be suppressed when swell and wind are not going the same direction, but that effect has not been well studied. The environment around Hawaii is very well suited to examining the relationship between wind, swell, and whitecaps since long-period swell and the dominant winds are often orthogonal. The Kilo Moana has recently been outfitted with a simple sea state monitoring system and there are several buoys around the Hawaiian Islands that record sea state, so by operating whitecap monitoring cameras as the ship does its normal complement of cruises around Hawaii and elsewhere, we will be able to build up a database of sea state, winds, waves, and whitecaps. From this we hope to generate a set of parameterizations that can be used</p>	1	70,000

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				along with sophisticated swell and wind		

**DOE-Dept of Energy**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENERGY, DEPT	Niklas Schneider	Department of Oceanography	Pacific Decadal Variability and Central Pacific Warming El Nino in a Changing Climate	Investigate decadal North Pacific climate modes and linkages to the equatorial Pacific in current and future climates	1	67,669

**DOI-Dept of Interior**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	Kenneth Kaneshiro	Pacific Biosciences Research Center	Pacific Islands Climate Change Cooperative	This agreement is being implemented to support a cooperative partnership, the Pacific Islands Climate Change Cooperative (PICCC), that will produce scientific and technical information needed to adapt conservation actions to changing climate and other conditions. The objective is to create new information and mechanisms of collaboration that will increase the effectiveness of conservation in the future.	1	1,043,347
INTERIOR, DEPT-NATIONAL PARK SVC	David Duffy	Department of Botany	Evaluate Eradication and Containment Strategies for Nonnative Plant Infestations	Conduct removal experiments to eradicate localized weed infestations and contain moderate alien weed infestations in Hawaii Volcanoes National Park.	1	119,086
INTERIOR, DEPT-NATIONAL PARK SVC	James Beets	Marine Science	Managing marine ecosystem responses to increasing nutrients and other disturbances: herbivory as a control of algal overgrowth of coral reefs in...	In marine national park units, a more thorough understanding of algal growth and changes in benthic community structure in response to various levels of herbivory among herbivore groups is needed to understand and collect defensible data on local ecosystem responses to potential water-quality changes associated with adjacent urban development and to protect nationally significant resources.	1	98,000
INTERIOR, DEPT-NATIONAL PARK SVC	Stephen Martel	Department of Geology and Geophysics	Exfoliation Revealed: A Proposal to the Yosemite Fund	The proposed research bears on rock fracture in Yosemite National Park. The research involves stress measurements, fracture mapping, modeling fracture propagation, and evaluating how fractures affect rock falls in the Park.	1	39,500



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INTERIOR, DEPT-UNITED STATES GEO SURVEY	Randy Y. Hirokawa	College of Arts and Sciences	Cooperative Monitoring and Assessment of Hawaii volcano Hazards	Conduct training, research and public outreach on Hawaii's volcanoes	1	250,000
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Evaluating Responses of the I'iwi to Nectar Availability and Habitat Quality to Promote Bird Recovery in Hawaii Volcanoes National Park, dated 04/...	Identify patterns of resource use by 'i'iwi ( <i>Vestiaria coccinea</i> ) both in habitats that are recovering naturally from ungulate browsing and in experimental treatments	1	47,408
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Population Trends, Distribution, and Insect Prey Base of the Hawaiian Hoary Bat	Fully gather information needed for the re-evaluation of the conservation status of the Hawaiian hoary bat	1	19,380
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Surveys to Determine Impacts of Invasive Ants in National Park of American Samoa, dated 04/21/2010	Survey and map distributions of ants within NPSA; Identify environmental variables that influence distributions of invasive ants; Measure impacts of invasive ants on arthropod communities; Provide recommendations to park managers on ways to mitigate impacts of invasive ants within NPSA.	1	53,475
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Understanding factors affecting the decline of the Samoan Swallowtail Butterfly ( <i>Papilio godeffroyi</i> ) within National Park of American Samoa	HCSU collaborative research with USGS PIERC to study factors related to decline of Samoan Swallowtail Butterfly.	1	52,954

**ED-Dept of Education**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Caryl Hitchcock	Center on Disability Studies/University Affiliated Pgms	Hitchcock: TeenACE for Science: Improving Outcomes Through Technology	TeenACE for Science is a development project that will examine strategies to improve writing in science through technology. Participants are young teens with disabilities or English Language Learners whose difficulty with reading and writing impacts their ability to learn.	1	199,995
EDUCATION, DEPT-FED	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	PROJECT SPIRIT: Supporting Parents in Responsive Interactions	Project SPIRIT has three main goals. 1) Improve at-risk Native Hawaiian children's education readiness and early development. 2) Provide evidence-based skills and support for Native Hawaiian parents of children ages 0-5 using the Responsive Teaching Curriculum and , 3) Provide professional development for Native Hawaiian interventionists.	1	448,090

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EDUCATION, DEPT-FED OFC OF SPECIAL ED & REHAB SVCS	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	Steppingstones: Text to Speech Phase Two Study	The proposed project is a Phase 2 project - Research on Effectiveness. Building on the promising findings of a previously funded Steppingstones Phase I grant, the proposed project staff intend to conduct a rigorous field-based research study to further explore the effectiveness of text-to-speech software in educational setting.	1	299,999

### Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
MELBOURNE, THE UNIVERSITY OF	Sven-Erik Bursell	John A. Burns School of Medicine	Telehealth Eye and Associated Medical Services Network (TEAMSnet)	To establish Telehealth and eye care services in remote Aboriginal communities and to use the Comprehensive Disease Management Program to provide diabetes and cardiovascular telehealth care management services.	1	341,579

### Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
MARINE RESEARCH CONSULTANTS, INC	Marlin Atkinson	Hawaii Institute of Marine Biology (HIMB)	Carbon budget for a brackish-water, chara-dominated, coastal lagoon	An organic carbon and calcium carbonate budget for this brackish water coastal lagoon will be developed by taking water samples from groundwater and lagoon and calculating the rate of loss.	1	27,948
Pacific Biodiesel	Clyde Tamaru	Molecular Biosciences and Bioengineering	Aina Mo Soil Amendment Project: Organic compound from biodiesel glycerin coproduct to control apple snail (P. canaliculata) on wetland taro	The subcontract is focused on determining what kinds of impacts the byproduct of the biodiesel has on fish and aquatic invertebrates. Likewise, the PI is involved in the assessment of impacts of the byproduct in the field by way of use as a soil amendment.	1	42,527

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The Pacific Islands Climate Change Cooperative	Tamara Ticktin	Department of Botany	Learning from Traditional Ecological Knowledge to understand Climate Change Impacts and Preserve Key Cultural and Natural Resources in Kaupulehu	Climate change is a global process with site-specific ecological and sociocultural repercussions. Place-based observations are critically needed to complement global climate change models to help identify: how climate is changing locally, the ecological and social impacts of climate change, and the ways people are adapting. Using biocultural and participatory approaches we propose to contribute to PICCC's goal of preserving key cultural and natural resources by carrying out an in-depth study of traditional ecological knowledge (TEK) in Kaupulehu, Hawai'i Island. We will collaborate with community members to identify: TEK-relevant to climate and environmental change; the biological and cultural resources most valued by community members; and coping mechanisms, adaptation strategies and resources that promote social-ecological resiliency to climate change. Products include a compilation of TEK that relates to adaptation to environmental change; maps of culturally important resources under current and predicted climate change scenarios and strategies for their conservation; the development of community-based monitoring plans for key cultural resource(s) and a TEK website.	1	93,729

**Hawaii- Government Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-HI	David Duffy	Department of Botany	Development of Best Practices for Managing Pest Ants in Agricultural and Nursery Systems	Develop sound and robust treatment regimes to effectively eliminate Little Fire Ants from agricultural enterprises in east Hawaii.	1	100,000
BUSINESS, ECON DEV & TOUR, DPT	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	Hawaii Clean Energy-Programmatic Environmental Impact Statement Project	HNEI will support DBEDT in coordinating the Programmatic Environmental Impact Statement	1	250,000

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HEALTH, DEPT-HI	Craig Glenn	Department of Geology and Geophysics	Lahaina Groundwater Tracer Study, Lahaina, Maui, Hawaii: Phase II	The University shall provide expertise and guidance in the monthly seep sampling and quarterly toxics sampling; shall conduct coastal seep sampling in accordance with the EPA approved Sampling and Analysis Plan; shall collect the specified type and number of water samples at the specified sampling locations and frequency, utilizing approved/appropriate sample collection procedures, sampling containers/equipment, and sample preservatives provided by HDOH; shall be responsible for the proper shipping/transporting of the samples to the appropriate laboratories for analysis.	1	79,169
HEALTH, DEPT-HI	Jason E Maddock	Dept of Public Health Sciences and Epidemiology	Evaluation of the Healthy Hawaii Initiative	This project provides research and evaluation support to the Healthy Hawaii Initiative.	1	529,519
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	The Development of a Biocontrol Option for Alien Algae Control	Research sea urchins as a biocontrol option against invasive alien algae.	1	42,327
LAND & NATURAL RES, DPT-AQUAT (DLNR)	Denise Antolini	William S. Richardson School of Law	Fisheries Management Literature Review	Research Associate is to conduct literature reviews and provide relevant information to DLNR regarding fisheries management, draft admin rules and work with ongoing programs at DLNR.	1	7,463
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserve Management: Natural Area Reserves Project Coordinator	Research and manage endangered species in their protective habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	1	60,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserves Enhancement (Oahu)	Provide research support to the Natural Area Reserves System Commission to recommend designation of new lands into the Natural Area Reserves System.	1	68,544
LAND & NATURAL RESOURCES, DEPT (DLNR)	Ali Fares	Natural Resources and Environmental Mgt	The Irrigation Water Requirement Estimation Decision Support System for the determination of reasonable water use quantities for selected crops in HI	The project is to update the Irrigation Water Requirement Estimation Decision Support System (IWREDSS) for the determination of reasonable water use quantities for selected crops in selected geographic areas in Hawaii.	1	55,000

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LAND & NATURAL RESOURCES, DEPT (DLNR) ENGINEERING DIV	James Gaines	Pacific Disaster Center	DLNR Engineering Division Dam Safety Consulting	Pacific Disaster Center will provide various dam safety consultant services to the Dept. of Land and Natural Resources Engineering Division.	1	80,000

**Hawaii- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUI MALAMA O KE KAI FOUNDATION	Angela Sy	Dept of Public Health Sciences and Epidemiology	Hui Malama o ke Kai	Collect and analyze data on program activiteis and conduct other evaluation activities as needed.	1	4,526
OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)	PingSun Leung	Natural Resources and Environmental Mgt	Economic Analyses of Aquaponic Systems in Hawaii and Guam	This proposed research will evaluate the economic performance of various aquaponic systems in Hawaii and Guam as well as develop a spreadsheet model for existing and potential growers to evaluate their economic performance.	1	42,972
UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	Kudo Chair	Faculty salary and fringe benefits for the Kudo Chair of Law	1	60,000
UNIVERSITY HAWAII FOUNDATION	Jingjing Li	Mechanical Engineering	Develop a constitutive material model for pre-form annealing	The objective of this project is to understand the effects that prestrain path, level and annealing conditions have on the plastic material behavior, and in particular the flow behavior and anisotropy. The proposed tasks include: 1) recording tensile behavior for large strains through high-speed digital image correlation techniques for specimens with various histories of prestrain and annealing conditions, 2) assessing flow behavior by combining experimental and inverse engineering methods to create accurate stress hardening models for aluminum alloys, and 3) analyzing anisotropic behavior of aluminum and its dependence on prestrain and annealing history.	1	15,000

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UNIVERSITY HAWAII FOUNDATION	Kamal Masaki	Department of Geriatric Medicine	Geriatric Education Research S&F	S&F agreement for faculty time to conduct research in changes in independence of patients with Alzheimer's disease. Faculty will review medical records of nursing home patients to examine functional changes of patients with Alzheimer's disease and examine how the functional changes vary depending on therapy provided, hospitalizations and other diseases.	1	11,450
UNIVERSITY HAWAII FOUNDATION	Marilyn F. Dunlap	Pacific Biosciences Research Center	Tree Snails Project	Funds will be used to conduct research on the genetics and molecular biology of Hawaiian invertebrates.	1	6,131
UNIVERSITY HAWAII FOUNDATION	William Steven Ward	Institute for Biogenesis Research	Research Support Fund in the IBR for Regenerative & Stem Cell Biology	Provides research grants for undergraduates, graduate students, research assistants, and/or post-doctoral trainees conducting research in regeneration and stem cell biology.	1	70,000

### Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AECOM Inc	Roger Babcock	Water Resources Research Center	Honouliuli Wastewater Treatment Plant Process Water Quality Characterization Study	This is a water quality study	1	20,940
CONCURRENT TECHNOLOGIES CORPORATION	Margaret Edwards	Hawaii Institute of Geophysics and Planetology (HIGP)	Hawaii Undersea Military Munitions Assessment (HUMMA) SONAR Survey	Using HMRG sonar (IMI-120) aboard the KoK to survey the seafloor south of Pearl Harbor, Hawaii in search of munitions that were sea disposed at the end of World War II.	1	8,521

### Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
BATTELLE MEMORIAL INSTITUTE	Gary Varner	Department of Physics and Astronomy	US Belle II Project Subcontract	Conduct a process of design, development, testing, and refinement of a prototype readout system for the imaging Time-Of-Propagation (iTOP) system for Belle II detector.	1	154,449
Mid-continent Research for Education and Learning	Christina Higa	Social Science Research Institute	Cooperative Agreement between McREL and UH TASI, CA #McREL 2012-001	To research, analyze and recommend appropriate distance learning modalities; support educational technologies and delivery; and provide support and training.	1	90,000

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NATIONAL CFIDS FOUNDATION	Grieg Steward	Department of Oceanography	Testing for the presence of vibrio bacteria in clinical samples from CFIDS patients	The medical condition referred to as chronic fatigue immune dysfunction syndrome CFIDS, among other names, manifests as a variety of symptoms that include mental and physical fatigue, headaches, and joint and muscle pain and a variety of other symptoms. The etiology of the disorder remains unknown and there is as yet no single definitive characteristic that can be used as a reliable basis for diagnosis. The failure to identify a causative agent underlying CFIDS has been an enormous barrier to progress in finding relief for those suffering from the syndrome. A number of lines of indirect evidence suggest that vibrio bacteria could be involved in the etiology of CFIDS, but a targeted screening for vibrios in CFIDS patients has not yet been done. There is also anecdotal evidence that prodigiosin-producing bacterium may be associated with the syndrome, but this has also not been directly tested. We here propose to test the hypothesis that vibrio bacteria, and/or the presence of prodigiosin are associated with CFIDS. Total nucleic acids and prodigiosin will be extracted from blood and urine specimens collected from 5-10 individuals with clinical symptoms of CFIDS and 5-10 of those who are asymptomatic controls. Nucleic acid extracts will be assayed via the polymerase chain reaction PCR to determine the presence or absence of target sequences.	1	31,166

**National Aeronautics and Space Administration**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Beei-Huan Chao	Mechanical Engineering	Flame Design: A Novel Approach to Clean Efficient Diffusion Flames	Investigate technologies that can be used to control diffusion flames such that the flames are strong and soot free. Applying these technologies, clean and efficient diffusion flames can be designed to reduce fuel consumption and pollutants generation in practical combustion devices.	2	26,000

### Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Bo Reipurth	Institute for Astronomy	Monitoring the Orion Nebula Cluster	Using the Variable Young Stellar Object Survey (VYSOS) group of telescopes to monitor and study thousands of young stars in the Orion Nebula Cluster.	1	112,132
NATIONAL AERONAUT & SPACE ADM	Eric Gaidos	Department of Geology and Geophysics	Formation, Evolution, and Detection of Ocean-Bearing Planets Close to Cool Stars	To investigate how rocky planets with the mass of earth or larger may occur close to late-type stars, whether they will have substantial fluid envelopes of water and other volatiles, how those envelopes may effect the interior evolution	1	122,742
NATIONAL AERONAUT & SPACE ADM	G Jeffrey Taylor	Hawaii Institute of Geophysics and Planetology (HIGP)	Lunar Bulk Composition and Evolution of the Crust and Mantle	Research using data returned by the GRAIL mission to the Moon to determine the lunar chemical composition	1	71,762
NATIONAL AERONAUT & SPACE ADM	Michael Fuller	Hawaii Institute of Geophysics and Planetology (HIGP)	Lunar Paleomagnetism	Investigation of magnetism of lunar samples to determine whether there is a lunar core.	1	154,533
NATIONAL AERONAUT & SPACE ADM	Michael Liu	Institute for Astronomy	Studying Young Gas-Giant Planets Directly	We will conduct photometric, spectroscopic, and astrometric studies of gas-giant planets detected by direct imaging.	1	125,474
NATIONAL AERONAUT & SPACE ADM	Nikolai A Maximenko	Department of Oceanography	Aquarius Salinity Calibration, Error Quantification, Signal-to-Noise Analyses, and Resolution Studies Using historical and Concurrent Data	The project will use the Aquarius mission to provide the best possible product, to characterize the space-time variability of salinity fronts, to quantify and improve the accuracy and signal-to-noise characteristics of both gridded and along-track products, and to assess the value of Aquarius with respect to existing observations.	1	32,118
NATIONAL AERONAUT & SPACE ADM	Oleg Melnichenko	Department of Oceanography	Role of Oceanic Advection in Spatial and Temporal Variability of Sea Surface Salinity on Seasonal and Long Time Scales	Satellite observations of sea surface salinity and ocean currents will be analyzed together to investigate the role that ocean currents play in spatial and temporal variability of sea surface salinity	1	22,201
NATIONAL AERONAUT & SPACE ADM	Tobias Owen	Institute for Astronomy	Sample Acquisition and Measurement on Mars (SAM): Mars Science Lander (MSL)	Participation, and data analysis in the mission called "Mars Science Lander". The spacecraft for this mission consists of a rover the size of a small car. loaded with instruments and is scheduled for launch next year, 2011, with a landing on Mars in November 2011. The rover will travel around on Mars for about one year.	1	95,917



Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

**National Science Foundation**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Aaron T Ohta	Electrical Engineering	NRI-Small: Parallel, Independent Optical control of Bubble Microbots for the Micro-Assembly of Artificial Tissues	This proposal seeks to use optically controlled bubbles as a microbotic system that can be applied to the micro-assembly of cells for growing tissues outside the body. Underrepresented students will be recruited for research. Out reach efforts to K-12 students are also included.	1	148,372
NATIONAL SCIENCE FOUNDATION	Bruce Frank Houghton	Department of Geology and Geophysics	Relationships between eruption rate, tephra dispersal and total grain size at Hekla volcano, Iceland: enhancing the source term for tephra modeling.	A study of the dispersal of ash from recent eruptions of Hekla volcano, designed to improve models used to predict ash plumes for the aviation industry.	1	128,743

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Research and Education Networking in the Pacific Islands and Beyond: Exploring and Developing Approaches	<p>Overview</p> <p>Research and Education (R&amp;E) Networks are a foundational element of cyberinfrastructure for research and education. This exploratory project will engage the Pacific R&amp;E community, scientists, service providers and other stakeholders to develop concepts and approaches for R&amp;E networking in the Pacific Islands. While focusing on the Pacific, we will study the O3b (<a href="http://www.o3bnetworks.com">www.o3bnetworks.com</a>) satellite network, which will have broad applicability for R&amp;E networking in other regions, particularly addressing locations in Africa and Latin America, as well as for ship-based research around the world. This project has three components that will:</p> <ol style="list-style-type: none"> <li>(1) Identify locations of interest for R&amp;E networking in the Pacific Islands including research facilities, colleges and universities as well as exemplar locations elsewhere -- and the key R&amp;E application drivers for these locations and their networking requirements.</li> <li>(2) Identify available infrastructure and plans relevant to R&amp;E networking in the locations and for the applications identified.</li> <li>(3) Work with participants and stakeholders to develop and disseminate plans and approaches for deploying R&amp;E networking for the targeted locations.</li> </ol> <p>The project will take one year. An intermediate report planned in 6 months will focus on locations and technologies and be sufficient to support specific actions focused on connecting specific locations without relying on the broader vision. The more complex roadmap for R&amp;E Networking in the Pacific, which will require greater socialization, will be produced as a final report. While much of the proposed work will utilize online research, email and teleconferencing, we will also utilize strategic travel to locations under review and key meetings.</p> <p>Intellectual Merit This project will provide the first systemic</p>	1	177,819

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				study of the challenges and opportunities of R&E networking in the Pacific region. However, the greater intellectual merit of this project will lie in the advancement of some of the m		
NATIONAL SCIENCE FOUNDATION	Debasis Bhattacharya	Academic Affairs	Cyber Security Education, Curriculum and Workforce Development	Our goal is to design and develop a new approach to teaching information security and assurance courses (IA) to high school and undergraduate students with focus on rural areas and training of women and minorities.	1	200,000
NATIONAL SCIENCE FOUNDATION	Donald Hall	Institute for Astronomy	Development of the H4RG-15; A Low Cost, High Performance 4096x4096 pixel Array for Infrared Astronomy and the Building Block for Very Large IR Mosaic	To demonstrate full production of a high performance 4Kx4K infrared array, the H4RG-15, with integrated application specific integrated circuit controller at an affordable 2 cents per pixel.	1	572,921
NATIONAL SCIENCE FOUNDATION	Donald Hall	Institute for Astronomy	Linear Avalanche HgCdTe Arrays for Photon Counting AO Wavefront Sensing	We propose to adapt, and optimize for AO wavefront sensing, linear avalanche photo diode (L-APD) sensors already developed through the nation's substantial military or aerospace investment in related sensors through an academic and industrial collaboration.	1	100,668
NATIONAL SCIENCE FOUNDATION	Elaine Seaver	Pacific Biosciences Research Center	Mechanisms of Neurogenesis in a Segmented Polychaete	Neurogenesis is the process by which neural precursors are generated and subsequently internalized to form the central nervous system (CNS). I will investigate neurogenesis during multiple life stages in the polychaete annelid, <i>Capitella</i> sp. I to elucidate any similarities or differences of embryonic, adult and regenerative CNS formation.	1	53,435
NATIONAL SCIENCE FOUNDATION	Frederick Kazman	Department of Information Technology Management	Collaborative Research: Teaching Software Modularity through Architectural Review	We will study why students implement design patterns incorrectly, and will test techniques aimed at correcting their mistakes such as human reviews and tool support. We will create and disseminate new pedagogical materials to aid others in teaching design: lecture slides, assignments, pedagogical advice, and tools.	1	22,255

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Gregory Frank Moore	Department of Geology and Geophysics	RAPID Response to Tohoku Earthquake: Participation in Marine Geophysical Surveys of the Quake Rupture Zone	This proposal is to participate in cruises by JAMSTEC to survey the epicentral zone of the recent Tohoku earthquake offshore Honshu, Japan.	1	10,997
NATIONAL SCIENCE FOUNDATION	James Cowen	Department of Oceanography	Collaborative Research: Large-Scale, Long-Term, Multi-Directional, Cross-Hole Experiments in the Upp	To participate in tracer transport project-injection of tracers into ocean basaltic crust via seafloor observatories. Proper deploy & recover instrumented sled to seafloor observatories.	1	54,683
NATIONAL SCIENCE FOUNDATION	Johannes Van Erp	Department of Mathematics	Index Theory of Hypoelliptic Fredholm Operators	We study the index theory of hypoelliptic operators in the context of noncommutative geometry	1	87,379
NATIONAL SCIENCE FOUNDATION	Julia Eve Hammer	Department of Geology and Geophysics	Experimental and Microanalytical Study of Dendritic Crystal Growth in CMAS and Basaltic Magma	We will perform experiments on synthetic, simple silicate magmas to study crystal growth of olivine, and we will analyze synthetic and natural samples to study the growth mechanism of clinopyroxene as it occurs under disequilibrium conditions.	1	270,928
NATIONAL SCIENCE FOUNDATION	Kamil Deen	Department of Linguistics	Doctoral Dissertation Research: Intervention Effects in Acquisition of Raising	The proposal investigates how English-speaking children acquire a particular grammatical structure (e.g. Donald seems to Mickey to be short) and explores which factors affect children's comprehension.	1	9,774
NATIONAL SCIENCE FOUNDATION	Kenneth A Hayes	Pacific Biosciences Research Center	Hawaiian Land Snail Biodiversity: Systematics, Phylogenetics and Conservation Status of a Vanishing Fauna	The work is aimed at surveying for all the native non-marine snails in the Hawaiian Islands and determining their identities and relationships to other snails.	1	250,122
NATIONAL SCIENCE FOUNDATION	Marguerite A Higa	Department of Biology (Biology Program)	Collaborative Research: Systematics and Adaptive Radiation of Papuan Asterophryinae Frogs	Study the microhylid frogs of Papua New Guinea, which is a hotspot of biodiversity for frogs. We will study how they are related, and how they have evolved to occupy different niches in the environment. We are interested in whether plate tectonics has played a role in the unusual amount of new species formed in this group	1	500,000
NATIONAL SCIENCE FOUNDATION	Michael J Antal	Hawaii Natural Energy Institute (HNEI)	Carbon Substitution and Sequestration (CarbSS)	Four UH students (two per year) will receive training at UH and at the Norwegian University of Science and Technology in the use of equipment and instruments for the study of biocarbon production and utilization.	1	29,981

## Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Pavel Zinin	Hawaii Institute of Geophysics and Planetology (HIGP)	Direct Measurements of Shear and Longitudinal Wave Velocities of Iron and Iron Alloys at High Pressure and High Temperature	The main task of this project is to synthesize graphenes from the B-C-N triangles using high pressure high temperature conditions similar to those that have been used for making crystalline graphite from disordered graphite.	1	93,251
NATIONAL SCIENCE FOUNDATION	Rolf-Peter Kudritzki	Institute for Astronomy	Infrared Beacons in the Universe - J Band Spectroscopy of Red Supergiants and the Chemical Composition of Star Forming Galaxies	The purpose of this proposal is to develop, validate and exploit a new technique to study the chemical compositions of star forming galaxies by unlocking the potential of red supergiant stars as chemical abundance probes in distant galaxies.	1	75,522
NATIONAL SCIENCE FOUNDATION	Scott Q Turn	Hawaii Natural Energy Institute (HNEI)	Center for BioEnergy Research & Development	UH will participate in the development of novel catalysts for producing liquid biofuels from synthesis gas. UH will characterize contaminants in the synthesis gas that affect catalysts and supply synthesis gas samples.	1	49,788

### US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA BERKELEY, UNIVERSITY OF	Gary Varner	Department of Physics and Astronomy	High Performance Cross-Strip Micro-Channel Plate Detector Systems for Spaceflight Experiments	Design, fabrication and integration of cross strip test ASICs	1	178,000
SOUTHERN CALIFORNIA, UNIVERSITY OF	James Cowen	Department of Oceanography	Center for Dark Energy Biosphere Investigations	To participate in C-DEBI project as co-PI and coordinator of instrumentation development. Participate in cruises to Juan de Fuca Ridge flanks and North Pond, Atlantic Ocean.	1	235,944
STANFORD UNIVERSITY	Kamal Masaki	Department of Geriatric Medicine	WHI Extension 2010-2015 Western Regional SUB - MASAKI Consult	Serve as Consultant for WHI RC to review manuscripts and ancillary proposals along with mentoring junior investigators.	1	5,150
TEXAS, UNIVERSITY OF	Loic Le Marchand	Cancer Etiology	Transdisciplinary Research in Cancer of the Lung (TRICL)	This project will study in several population-based cohort studies the epidemiologic characteristics of genetic variants found to be associated with lung cancer in a pooled analysis of genome-wide association studies.	0	-50,000

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
United States Air Force Academy	Lloyd Hihara	Mechanical Engineering	Corrosion and Corrosion Control Studies of Aluminum Alloys that are Mechanically-Coupled or Adhesively-Bonded to PMCs in Diverse Micro-Climates	Today, many components and equipment are comprised of a material system rather than a single type of material. Polymer-matrix composites (PMCs), for example, are being used with greater frequency in the defense, aerospace, automotive,[1] and civil-infrastructure[1] industries. In the quest to reduce weight and increase performance, more and more advanced structures, systems and machines are being developed using alloys, composites, polymers, and ceramics. A system of dissimilar materials, however, may introduce potential corrosion problem at metal-dissimilar material interfaces. Metal alloys coupled to polymers, composites or ceramics may lead to crevice and galvanic corrosion problems. Hence, in order to take advantage of material systems, compatibility issues must be thoroughly understood in order to devise corrosion control strategies. This program will focus on 1) corrosion protection of mechanically-coupled PMCs to aluminum alloys and, 2) the study of corrosion mechanisms of adhesively-bonded PMCs to aluminum alloys. Corrosion studies will be conducted in the laboratory to help identify corrosion mechanisms, and in the field in various Hawaii microclimates and environments such as marine, rainforest, and volcanic (with acid rain) to determine performance in natural environments. The purpose of the research is to obtain a scientific understanding of the corrosion mechanisms and corrosion performance so that effective corrosion mitigation procedures...	1	500,000
UTAH STATE UNIVERSITY	Susan C Miyasaka	Tropical Plant and Soil Science	Control of Bacterial Wilt of Ginger through an Integrated Pest Management Program	Edible ginger is a high-value crop in Hawaii. Bacterial wilt of ginger (caused by <i>Ralstonia solanacearum</i> race 4) has caused a precipitous decline in production since 1992-93. The overall project objective is to restore ginger production in Hawaii through development and demonstration of sustainable farming practices.	1	99,190

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Research - Total					103	24,439,362

**Non-Research**

**DA-Dept of Agriculture**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Anna Wieczorek	Tropical Plant and Soil Science	Biotechnology Outreach Program	In modern agriculture, there are many tools available to address problems associated with crop production, ranging from low-input organic production methods to conventional practices, and the use of genetic engineering in crops. Genetic Engineering -GE- is among the many tools currently in use, one that is receiving increasing public attention. Genetically engineered crops have been on the market for over a decade -examples include corn, soy beans, papaya, cotton, and canola- and the value of GE for solving certain difficult crop production challenges has been well established in a number of crops. Currently 64% of the world soybean acreage is produced with genetically engineered varieties, and the same is true for 43% of cotton, 24% of maize, and 20% of canola worldwide. In 2007 alone the world acreage of genetically engineered crops increased by 12% for a total of 12.3 million hectares -ISAAA <a href="http://www.isaaa.org/resources/publications/briefs/37/pptsides/default.html">http://www.isaaa.org/resources/publications/briefs/37/pptsides/default.html</a> -. While the United States is the leading country in biotech production, over 22 countries worldwide are currently using the technology. The state of Hawaii currently has the highest number of experimental permits for biotech food development and it is also the state with the first developed and adopted genetically engineered fruit tree -papaya-. Genetically engineered varieties of other crops are also in development -e.g. banana.	1	31,317

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Arnold H. Hara	Plant and Environmental Protection Sciences	University of Hawaii Extension Integrated Pest Management Program 2010	The University of Hawaii Extension IPM Program encompasses education and training for extension personnel in specialized crops (floriculture, tropical fruit, macadamia nuts, vegetables) and animal agriculture and their stakeholders in Integrated Pest Management practices that reduce risk to humans and the environment.	1	73,818
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Joan L Chong	Cooperative Extension	Sustainable Communities Project Through Successful Community Partnership	"SCP Through SCP" is Hawaii's community based project to strengthen the capacity of children, youth, and families "at risk" to participate in culturally diverse, economically challenged, and technologically advanced society.	1	128,000



Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Qing Xiao Li	Molecular Biosciences and Bioengineering	Structure characterization of windmill palm peroxidase in relation to roles of glycosylation on stability and catalysis	<p>Trachycarpus fortunei (Windmill Palm Tree) is a hardy palm that grows well in subtropical to warm-temperate regions and virtually every part has a valuable use. A highly stable peroxidase was recently isolated from its leaves. Plant peroxidases are important commercial enzymes. Commercial availability is limited mostly to horseradish peroxidase (HRP). HRP is the primary enzyme used in the multi-billion dollar diagnostics market. Production of peroxidase as a value added product can make palm farming a reality. Enzyme biotechnology is an attractive incentive to recruit young farmers. The aim of this project is to address fundamental questions concerning the structure-function relationships in windmill palm peroxidase (WPP), particularly the roles of glycosylation on stability. The proposed project addresses Foundational Program Area 1) plant health and production and plant products. Glycosylation is the most prevalent and complex post-translational modification of eukaryotic proteins. Thus far it has not been possible to produce a stable peroxidase with non-native glycosylation; therefore the native source is most attractive. New knowledge of WPPs structure-function relationships and insights into roles of glycosylation will be gained from this research, which will extend the applications of peroxidases. A broadly applicable workflow for glycoprotein structure characterization will be developed. A 3D model of WPP, useful for structure-function studies and development of novel applications, will be generated and validated. The long-term goal is to promote the development of a new agricultural market for palm trees. Production of highly stable and active peroxidases would be an attractive green biotechnology industry in the US.</p>	1	75,000

**Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT, FOREST SVC-FED	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	IPIF Support for Pacific Internship Programs for Exploring Sciences (PIPES)	Identify, recruit and mentor undergraduate college interns from underserved communities so that they might become familiar with issues and careers in natural resource ecology and management	1	26,530

**DHHS-Dept of Health and Human Services**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-ACF-ADM DEVL DIS	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	University Center for Excellence (UCEDD)	The Center on Disability Studies (CDS) at the University of Hawai`i (UH) is currently completing the fourth year of a five-year funding cycle under Grant No. 90DD0644.	1	554,000
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR MIN HLTH & DISP	Marjorie Mau	Department of Native Hawaiian Health	Advancing Native Health and Wellness Conference	Mirror preparation, robot arm and mirror support.	1	45,000
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DIAB,DIG,KIDN DIS	Benjamin Fogelgren	Department of Anatomy, Biochemistry, and Physiology	The Exocyst in Kidney Development and Cyst Formation		1	152,965

**DOC-Dept of Commerce**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT- ECONOMIC DEV ADM-FED	Carol Hoshiko	Chancellor, Kapiolani Community College	Culinary Institute of the Pacific - Diamond Head	To fund the construction of an advanced culinary training facility on the west slope of Diamond Head crater. This request is for construction of the instructional labs; advanced Asian, Multi-function, Baking, and Patisserie/Confiserie.	1	2,416,000
COMMERCE, DEPT-NATL NOAA-FED	Alexander N Shor	School of Ocean and Earth Science and Technology	Service Agreement for Pier Space and Shore Support at the University of Hawaii Marine Center, Snug Harbor	NOAA requests the University of Hawaii Marice Center (UMC) at Snug Harbor in Honolulu, Hawaii, to provide an outdoor storage and work area, equipment rental, utilities, and purchasing agent assistance to the Marine Optical Buoy (MOBY) project.	1	45,000

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Darren Lerner	Sea Grant College Program	Regional Extension Network Support for the Republic of the Marshall Islands	The Pacific Islands, particularly low-lying atolls, are extremely vulnerable to changes associated with coastal processes and natural hazards. Global climate change and sea level rise are of obvious concern. The RMI consists of 29 atolls and four islands and 750000 square miles of Exclusive Economic Zone and represents one of the most fragile Pacific Island nation vis-a-vis coastal hazards. The RMI is also confronted with a series of threats associated with rapid urban and industrial development that exemplify a common scenario found throughout the Pacific Islands. On the positive side, the RMI has demonstrated a collective increase in capacity and willingness to address difficult challenges, improve governance and commit resources to collaborative efforts. This work continues and expands 20 plus years of partnership between Hawaii Sea Grant and partners in the U.S.-affiliated Territories and Freely Associated States. Hence an initiative focused on the RMI can address local needs and serve a model for other nations in the Pacific region which face similar issues and challenges.	1	75,000
COMMERCE, DEPT-NATL NOAA-FED	David Lassner	Office of the VP for Information Tech/Chief Info Officer	N-WAVE Connectivity to the University of Hawaii	The objective of this project is to provide connectivity and related services that support connectivity for NOAA in Hawaii to NOAA's national research and supercomputing N-Wave network.	1	114,180
COMMERCE, DEPT-NATL NOAA-FED	E. Gordon Grau	Sea Grant College Program	Pacific Islands Coastal Storms Program Education and Outreach Cooperative Agreement	NOAA CSP Supplement, Amendment 15.	1	5,000

**DOD-Department of Defense**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-AIR FORCE	Trevor Charles Sorensen	Hawaii Space Flight Laboratory	An Attitude Control System Test Bed to Enhance the Ability of the University of Hawaii in the Development and Testing of Small Satellites and Tech	Obtain an attitude control system test bed for testing attitude control of small satellites and other technologies in support of DOD.	1	764,927

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

**DOI-Dept of Interior**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-NATIONAL PARK SVC	Kenneth Kaneshiro	Pacific Biosciences Research Center	Sustainable Partnerships for Conservation	Promotion of effective long-term management of Hawaii's native ecosystems through collaborative research, training, and outreach among land managers, scientists, educators and the general public.	1	9,625

**ED-Dept of Education**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Ardis Eschenberg	Chancellor, Windward Community College	Kakoo Koolau - Strengthening Student and Institutional Engagement at Windward Community College	Strengthening institutional engagement through more relevant and accessible academic offerings; and strengthening student engagement through improved access, early intervention, and innovative student support services. Both activities focus on increasing student persistence, retention, and graduation or transfer.	1	2,125
EDUCATION, DEPT-FED	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Hawaii Preschool Positive Engagement Project (HPPEP)	The project aims for 1) Sustained improvements in early learning outcomes, 2) Strengthened protective factors for families and children, and 3) Increased and sustained employment of teachers and staff in the Early Education field.	1	506,689
EDUCATION, DEPT-FED	Joshua Kaakua	College of Engineering	Kaiaulu STEM: Advancing Native Hawaiian Achievement, Leadership, and Career Pathways in Science, Technology, Engineering, and Mathematics	Outreach, scholarship, and student support program for Native Hawaiian pre-college, community college, undergraduate, and graduate students in the fields of Science, Technology, Engineering, and Mathematics.	1	697,687
EDUCATION, DEPT-FED	Judy Oliveira	Chancellor, Windward Community College	Talent Search Honolulu	To identify qualified individuals from disadvantaged backgrounds and encourage them to complete high school enroll in college.	1	230,000
EDUCATION, DEPT-FED	Judy Oliveira	Chancellor, Windward Community College	Talent Search Windward	To identify qualified individuals from disadvantaged backgrounds and encourage them to complete high school enroll in college.	1	230,000

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Kay Fukuda	Student Equity Excel & Diversity	Place-Based Learning and Community Engagement in School (PLACES)	The project will improve the academic achievement and school engagement of over 500 students from Waianae Elementary School through the implementation and evaluation of place-and culture-based curriculum that addresses reading, science, and social studies; the provision of ongoing professional development of teachers; and the involvement of key community organizations.	1	769,216
EDUCATION, DEPT-FED	Kelly Drew Roberts	Center on Disability Studies/University Affiliated Pgms	Growing Pono Schools (GPS)	The goal of Growing Pono Schools (GPS) is to improve the academic outcomes of NH youth and participating school climates. This will be accomplished through the development, implementation, and evaluation of an advisory and character education curriculum, supported by the development of a video production guild, for use with elementary, middle/junior high, and high school students.	1	501,714
EDUCATION, DEPT-FED	Lois Yamauchi	Department of Educational Psychology	Mohala Na Pua	The project will (a) promote scientific thinking and access to science education among young Hawaiians, (b) provide high quality professional development to early childhood educators serving Hawaiian children in prekindergarten and Grade K-1, and (c) study what promotes preschool and elementary teachers collaborating to promote Hawaiian children's transition to kindergarten.	1	268,291
EDUCATION, DEPT-FED	Maile Suzanne Goo	Student Equity Excel & Diversity	Manoa Educational Talent Search (METS) Program	METS will serve 600 students from Nanakuli Intermediate and High School and Waianae High School to increase their secondary school persistence, secondary school graduation, postsecondary education enrollment, and their postsecondary degree attainment.	1	230,000
EDUCATION, DEPT-FED	Morris K. Lai	Curriculum Research and Development Group	Piha Pono: A Robust RTI Approach Integrating Reading, Mathematics and Behavior Supports	The Curriculum Research & Development Group will develop, implement, and evaluate a Response to Intervention curricular approach integrating reading, mathematics, and behavior supports in 10 Hawaii elementary schools through a collaboration with the Hawaii Department of Education and by partnering with a Native Hawaiian Education Program grant.	1	981,339

## Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Nathan M Murata	Department of Kinesiology and Rehabilitation Science	Adapted Physical Education Training of US Pacific Islanders (Project APEPI)	Prepare highly qualified adapted physical educators from Guam, American Samoa, CNMI and rural Hawaii using a teacher/consultant model for K-12 pupils with disabilities.	1	247,617
EDUCATION, DEPT-FED	Norma Jean H Stodden	Center on Disability Studies/University Affiliated Pgms	Kakau Mea Nui (Writing Matters) Project	The purpose of the proposed Kakau mea nui (Writing Matters) Project is to change teachers' attitudes, knowledge, and skills for teaching writing, thus impacting upon NH students writing proficiency.	1	451,562
EDUCATION, DEPT-FED	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	PILI Project: Pacific Island Learning Initiative in Deaf Education	PILI Project is a regional program designed to prepare teachers for Hawaii and 9 Pacific jurisdictions, to reduce the severe shortage of certified teachers of deaf and hard of hearing students in Hawaii and the Pacific.	1	195,600
EDUCATION, DEPT-FED OFC OF SPECIAL ED & REHAB SVCS	Amelia Jenkins	College of Education	Project Laulima	Revise and improve existing special/elementary education teacher preparation program by merging standards-based coursework, enhanced clinical experiences, and training in evidence-based practices.	1	298,768

### Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Centers for Medicare and Medicaid Services	John Pezzuto	College of Pharmacy	"Pharm2Pharm" Service Innovation in Rural Hawaii	"Pharm2Pharm is a unique care transition and care coordination model that expands the roles of hospital and community pharmacists in rural areas of Hawaii to reduce medication risk by closing common gaps in care that occur at and after discharge.	1	2,712,184
VETERANS AFFAIRS, DEPT-HLTH ADMIN	Kelley Withy	Department of Complementary and Alternative Medicine	VA Rural Health Training Program	VA Contract to assess Rural Health Training programs on the neighbor islands and in the Pacific	1	50,000
VIETNAM EDUCATION FOUNDATION	William Steven Ward	Institute for Biogenesis Research	Vietnam Education Foundation Fellowship	Fellowship for graduate research assistant, Hieu Thi Nguyen.	1	56,000

### Foreign

### Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICAN SAMOA, GOVERNMENT	Holly Manasari	Center on Disability Studies/University Affiliated Pgms	American Samoa Interdisciplinary Studies 2012	Development and delivery of University of Hawaii coursework specifically designed for High School Special Education teachers to obtain their degree in Interdisciplinary Studies	1	98,786
Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)	Milton Garces	Hawaii Institute of Geophysics and Planetology (HIGP)	Proposal for Engineering and Logistical Support Related to the Use of an Infrasound Generator	This proposal, submitted to the Comprehensive Nuclear-Test-Ban Treaty Organization CTBTO Request for Quotation No. 2012-0119/SOW, seeks to provide engineering and logistical support in compliance with the terms of reference TOR provided in Annex B of the RFQ.	1	19,947
REPUBLIC MARSHALL ISLANDS	Neal Palafox	Department of Family Medicine and Community Health	Regional Comprehensive Cancer Control Program - (RMI Subcontract Amendment 5)	Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.	1	12,641

#### Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EAST WEST CENTER	John Cusick	Water Resources Research Center	Study of the U.S. Institute on Global Environment Issues (SUSI)	John Cusick will provide the following services at the "Study of the U.S. Institute on Global Environmental Issues (SUSI)" - Provide lectures, individual and small group lessons and prepare participants for guided field days on environmental issues for both SUSI Institutes. - Identify and liase with partner organizations, environmental experts, and community leaders in Hawaii and the U.S. to serve as key speakers throughout the SUSI Institutes. - Supervise University of Hawaii student mentors to work with SUSI participants. Mentors provide meaningful contact with American undergraduates, a key component of the grant requirements. - Publish at least one academic article about SUSI.	1	7,200
PACIFIC RADIATION ONCOLOGY INC	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-PRO-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	35,303

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

**Hawaii- Government Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-HI	Kelvin Sewake	Plant and Environmental Protection Sciences	Biosecurity of Hawaii's Flowers for Export	This project will provide education and training on best management practices for pest control and biosecurity in flower exports.	1	50,000
CITY & COUNTY HONOLULU	James H. Pietsch	William S. Richardson School of Law	University of Hawaii Elder Law Program - Caregivers Support	Provide legal information services to family caregivers and their care receivers 60 years and older.	1	69,200
CITY & COUNTY HONOLULU	James H. Pietsch	William S. Richardson School of Law	University of Hawaii Elder Law Program - Legal Services for Elders	Provide legal services to economically and socially needy elders 60 years and older.	1	119,074
HAWAIIAN AFFAIRS, OFFICE OF	Pohai Kukea Shultz	Department of Curriculum Studies	Project Puuhonua	The mission of Project Puuhonua is to provide a sense of place to Native Hawaiian students at the COE at UH-Manoa, thereby increasing the number of Native Hawaiians who gain admission to the COE and graduate with post-secondary degrees.	1	83,674
HEALTH, DEPT-ADULT MENTAL HTH DV-HI	Steven Onken	Social Science Research Institute	Hawaii Mental Health Transformation State Incentive Grant	Purpose is to do a transformation of current mental health delivery systems in the state. It is also to look at the system as a whole and modify laws, norms, and values, and reassess systems of service delivery and finance.	1	17,552
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Ji-yeon Kim	Center on the Family	Service to support, monitor, and report on the substance abuse treatment services and assist in development, implementation, and improvement of WITS	To provide a range of services to support, monitor, and report on the substance abuse services provided by agencies funded by STATE, Division of Alcohol and Drug Abuse.	1	230,000
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Anthony Guerrero	Department of Psychiatry	Child Residency Training FY13	Provide training and administrative support services to psychiatric residents and fellows for the Department of Health, Child and Adolescent Mental Health Division as outlined in the scope of the contract	1	368,431
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Anthony Guerrero	Department of Psychiatry	DOH FY13 Child Inpatient Mental Health Services / Child Clinical and Admin Services	Provide psychiatric services to the Department of Health, Child and Adolescent Mental Health Divisions outlined in the scope of services for the contract.	1	357,080



Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Brad J Nakamura	Psychology (UH Manoa)	Clinical Therapy & Assessment, Department of Health	To provide psychological treatment and assessment of children struggling with emotional and/or behavioral difficulties. This project trains graduate student clinicians and offers children and families needed psychological services.	1	206,464
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Paula Toki Morelli	School of Social Work	Ohana Ho'oikaika Project	The Hi'ilei and Ohana Ho'oikaika Projects integrate the CASSP principles, CAMHD clinical standards, and Evidence-Based Services into the clinical practice of both students and CAMHD staff to ensure quality care for children and families. This proposal retains parts of both contracts into a single proposal designed to meet part of each projects scope of services.	1	133,084

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-HI	Carolyn Ma	Pharmacy Practice	Hawaii State Asthma Initiative	<p>First and second year pharmacy students are located at retail and community health clinics as part of their experiential education in course PPHP 501, 502, 503 and 504. Utilizing their access to patients with asthma either through new or refill asthma medications in the retail pharmacy, or via the primary care health provider in the community health clinics, students will be asked to administer the Asthma Control Test (ACT) to gather data regarding the degree of control of asthma on East Hawaii island.</p> <p>Students will be trained on the administration of the Asthma Control Test (ACT) during orientation to the courses listed above.</p> <p>Students must obtain consent from the patient or the patients guardian before administering the ACT. Students will not administered the ACT survey without prior consent of the patient or the patient(s) guardian.</p> <p>Student participation is overseen by pharmacist preceptors and pharmacy practice faculty.</p> <p>Completed Asthma surveys are reported on line and then sent to the Hawaii State DOH Chronic Disease and Control Branch.</p> <p>Contribution of these survey results will help to collect information regarding asthma control in the East Hawaii area</p>	1	9,500
HEALTH, DEPT-TOBACCO SETTLEMENT-HI	Jason E Maddock	Office of Public Health Studies	Hawaii Health Data Warehouse Project	<p>Maintain and enhance the functionality of the Hawaii Health Data Warehouse; add new data sets; provide and develop new data quality reports to data providers &amp; users; provide user/creator trainings; conduct community orientation sessions; update and maintain website(s); revise HDDW universes; upgrade hardware and software</p>	1	600,000

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-TOBACCO SETTLEMENT-HI	Susan M Saka	Curriculum Research and Development Group	Hawaii School Health Surveys	Under the direction of the Department of Health (DOH) Healthy Hawaii Initiative collaborate with the DOH, Department of Education, and other members of the Hawaii School Health Surveys Committee to plan, coordinate, and administer the 2013 Hawaii Schools Health Survey (HSHS) at the county-level. The HSHS consists of two modules (Youth Risk Behavior Surveys and the Youth Tobacco Surveys administered to a statewide, two-stage random sampling public middle (Grades 6-8) and high (Grades 9-12) schools in Hawaii).	1	244,900
HUMAN SERVICES, DEPT-HI	Carol Hoshiko	Office for Institutional Effectiveness	Vocational Instructions DHS-12-ETPO-568	KCC to provide vocational training to persons who receive temporary assistance for needy families. This award pays for tuition under the project title "first to work program.	1	26,400
HUMAN SERVICES, DEPT-HI	Grace Fong	Center on the Family	Learning to Grow Project, Supplemental 2	Project will develop, disseminate, and evaluate educational outreach programs and resource materials for families receiving child care subsidies from the State, with the aim of improving the quality of care provided to children, ages birth to five.	1	438,443
HUMAN SERVICES, DEPT-HI	Grace Fong	Center on the Family	Quality Care Program, Supplemental 1	The Quality Care Program will (a) develop the infrastructure for a Quality Improvement rating System for licensed center-based and home-based child care programs, (b) conduct and evaluate a pilot of the system, and (c) implement the Quality Care Program for Home-based Providers over a three year period.	1	10,866
HUMAN SERVICES, DEPT-HI	Susan Miller	Center on Disability Studies/University Affiliated Pgms	Hawaii State Department of Human Services Vocational Rehabilitation Services for the Blind and Deaf (VRSBD)	Details in package attached in "proposal attachments"	1	156,000

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUMAN SERVICES, DEPT-HI Benefits, Employment & Support Services	Louise Iwaishi	Department of Pediatrics	Healthy Child Care Hawaii FY13	Collaborate with the Early Learning Council to strengthen health and safety in early childhood education and care; expand a statewide system of child care health consultants; promote health and safety in child care; provide training to pediatric residents with opportunities for teaching early childhood development and health.	1	107,957
HUMAN SERVICES, DEPT-HI Benefits, Employment & Support Services	Ronny T Umehira	Chancellor, Leeward Community College	Adult Basic Education & Vocational Training, DHS	Supplemental funding to extend adult basic education services and vocational instruction to DHS clients on a reimbursement basis	1	157,596
HUMAN SERVICES, DEPT-HI Benefits, Employment & Support Services	Teresa Bill	Women's Center	Bridge to Hope Student Support	University of Hawaii will administer and provide campus employment opportunities to eligible TANF/TAONF First-to-Work students through its Bridge to Hope program on all University of Hawaii campuses state-wide.	1	372,163
LABOR & INDUSTRIAL RELATIONS, DEPT-HAWAII CIVIL RIGHTS COMMISSION	Dina Shek	William S. Richardson School of Law	Compact of Free Association	This project is designed to conduct outreach on civil rights and fair housing to COFA migrants in their communities and will be executed by the Medical Legal Partnership for Children of Hawaii.	1	25,000
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	Development of Marine Mitigation Components	Develop marine mitigation components to form the basis of a state Marine Mitigation Program.	1	158,968
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Oahu Trail monitoring, Maintenance & Outreach	Provide public outreach, trail monitoring an volunteer coordination activities on Oahu's public hiking trails, roads and management areas; coordinates public outreach projects involving brochures, trail maps, interpretive signs and poster board design, layout, development, distribution and installation, website maintenance, presentations on native species, and the threats of invasive species and trail safety.	1	11,214

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Oahu Trail Monitoring, Maintenance and Restoration	Provide technical assistance in operations, maintenance and regulation of Oahus island-wide Trail and Access system; assist with field reconnaissance and inspections of trails monitoring for invasive species and native and non-native species; assist with maintenance of trails by clearing and removing invasive species; and other attendant activities such as posting of signs, installation of interpretive displays, processing trail and access permits, etc.	1	8,475
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Oahu Wetland Restoration and Management Program	The objective for the Oahu Wetland Restoration and Management Program is to provide assistance in the management of wetlands State Wildlife Sanctuaries. Project operations will also provide assistance to volunteers who assist DOFAW with various maintenance projects.	1	45,000
TRANSPORTATION, DEPT-HI	C S Papacostas	Civil and Environmental Engineering	Hawaii Local Technical Assistance Program	Provide technology transfer to local transportation agencies.	1	247,808

**Hawaii- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KAISER PERMANENTE - HAWAII	Joseph Keawe'aimoku Kaholokula	Department of Native Hawaiian Health	Caring Partners Diabetes Management Program	UH JABSOM Department of Native Hawaiian Health will partner with Kula No Na Poe Hawaii to develop and implement a Diabetes Management support group for previous participants of the Diabetes Management program.	1	50,000
KALIHI-PALAMA HEALTH CENTER	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-KPHC-OBGYN	Agreement to provide faculty training and educational services.	1	24,592
KAPIOLANI MED CTR FOR WOMEN & CHILDREN	Kenneth Nakamura	Department of Pediatrics	Reimbursement Agreement Fiscal Year 2013, Agreement No. SF13-KMCWC PEDS	Agreement to provide medical education to students and residents in a clinical setting.	1	333,852

### Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KAPIOLANI MED CTR FOR WOMEN & CHILDREN	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	Faculty Support Agreement Fiscal Year 2013 - Agreement No. FSA13-KMCWC-OBGYN-MFM	Agreement to provide medical education to students and residents in a clinical setting.	1	186,395
KAPIOLANI MED CTR FOR WOMEN & CHILDREN	Susan Steinemann	Department of Surgery	Reimbursement Agreement No. SF13-KMCWC-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	44,291
KAPIOLANI MEDICAL SPECIALIST	Kenneth Nakamura	Department of Pediatrics	Reimbursement Agreement Fiscal Year 2013, Agreement No. SF13-KMS-PEDS	Agreement to provide medical education to students and residents in a clinical setting.	1	1,569,471
KUAKINI MEDICAL CENTER	Kamal Masaki	Department of Geriatric Medicine	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-KUAKINI-GER	Agreement to provide medical education to students and residents in a clinical setting.	1	58,252
KUAKINI MEDICAL CENTER	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2013- Agreement No. SF13-KUAKINI-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	752,638
PACIFIC IN VITRO FERTILIZATION INSTITUTE	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF13-PIVF-OBGYN	Agreement to provide training to med students and residents.	1	18,068
PACIFIC IN VITRO FERTILIZATION INSTITUTE	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	Reimbursement Agreement Fiscal Year 2013 - Agreement No. FSA 13-PIVF-OBGYN	Agreement to provide faculty-physician training & education services.	1	75,000
QUEEN EMMA CLINICS	Kenneth Nakamura	Department of Pediatrics	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-QEC-PEDS	Agreement to provide medical education to students and residents in a clinical setting.	1	180,876
QUEEN EMMA CLINICS	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2013- Agreement No. SF13-QEC-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	333,452
QUEEN'S HOSPITAL MEDICAL CENTER	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-QMC-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	286,824
QUEEN'S HOSPITAL MEDICAL CENTER	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-QMC-SURG-ORTHO	Agreement to provide medical education to students and residents in a clinical setting.	1	416,954
QUEEN'S HOSPITAL MEDICAL CENTER	Susan Steinemann	Department of Surgery	Reimbursement Agreement No. SF13-QMC-SURG-UROLOGY	Agreement to provide medical education to students and residents in a clinical setting.	1	95,074
REHABILITATION HOSPITAL PACIFIC	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-Rehab-MED	Agreement to provide medical education to students and residents in a clinical setting.	1	17,602

**Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
STRAUB CLINIC & HOSPITAL	Susan Steinemann	Department of Surgery	Reimbursement Agreement No. SF13-STRAUB-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	33,177
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-UCERA-Med	Agreement to provide medical education to students & residents in a clinical setting.	1	19,364
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Kenneth Nakamura	Department of Pediatrics	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13 UCERA PEDS	Agreement to provide medical education to students and residents in a clinical setting.	1	23,453
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Lawrence Burgess	John A. Burns School of Medicine	Reimbursement Agreement Fiscal Year 2013 - Agreement No. UCERA-OD-TRI-SF13	Agreement to provide medical education to students and residents in a clinical setting.	1	35,335
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Naleen Andrade	Department of Psychiatry	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-UCERA-PSYCH	Agreement to provide medical education to students and residents in a clinical setting.	1	1,941,581
UNIVERSITY HEALTH GROUP	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-UCERA-OBGYN	Agreement to provide faculty training and educational services	1	3,616,686

**Hawaii- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION (HCF)	Clyde Tamaru	Molecular Biosciences and Bioengineering	Waiawa Correctional Facility Aquaponics Expansion Proposal	The proposed project seeks to expand the food production capacity of Waiawa Correctional Facility through the use of aquaponic technology. The project will focus on establishing the first of six modular systems that will then be used to validate results obtained with a current prototype already running at the facility.	1	22,500
KOKUA KALIHI VALLEY	Dina Shek	William S. Richardson School of Law	Medical Legal Partnership KKV - Health Law Partners	Additional \$25K will be used to support the efforts of the KKV project with support for a post JD fellow outreach activities, office supply and travel support for the program.	1	25,000

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Pacific Island Health Officers Association	Norman Okamura	Social Science Research Institute	GU DPHSS HIT-HIS Systems Assessment	The Guam DPHSS Health Information Technology systems is in need of a review given the health information technology and public health informatics programs. Under this service agreement, the UH TASI will conduct a review of current HIT systems for Guam DPHSS.	1	48,000
Pacific Island Health Officers Association	Norman Okamura	Social Science Research Institute	Guam Department of Human and Social Services Systems and Network Assessment	The Guam DPHSS is in need of a technical assessment of the Public Health Information Technology Systems and Network Infrastructure. The purpose of the assessment of the Public Health Information Technology Systems and Network Infrastructure is to determine the current state of the systems and network infrastructure to support public health applications. Specifically, the assessment will undertake a review and prepare documentation of the systems and network architecture, identify and document the devices on the internal network, document the software used on the systems, and analyze application systems and performance problems which are a common complaint.	1	50,000
PARENTS & CHILDREN TOGETHER (PACT)	Ji-yeon Kim	Center on the Family	Kaneohe Community Evaluation	I will focus on building an evaluation design to gather credible evidence that will demonstrate the achievement of project outcomes.	1	20,000
QUEEN LILIOUKALANI CHILDRENS CENTER	Noreen Mokuau	School of Social Work	Hawaiian Learning Program	To develop and implement the Hawaiian Learning Program for Master's Level students at Social Work	1	30,000
TRI-ISLE RES CONSERVATION & DEV COUNCIL	Clifford W. Morden	Department of Botany	Expanding Forest Recovery Project to Upper Hana Reserve: Phase III: Upper Regions of the Hana Forest Reserve Fence	Continue to expand ungulate fencing into the Upper Hana Forest Reserve.	1	25,872



Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Chennat Gopalakrishnan	Natural Resources and Environmental Mgt	Journal of Natural Resources Policy Research	To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.	1	4,000
UNIVERSITY HAWAII FOUNDATION	Frederick Lau	Center for Chinese Studies	Confucius Institute Support	Provides salaries and fringe benefits for Confucius Institute support personnel, and miscellaneous office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius Institute programs and activities.	1	12,000
UNIVERSITY HAWAII FOUNDATION	Gertraud Maskarinec	Cancer Etiology	Cancer Research Center of Hawaii Traineeship	Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	1	15,500
UNIVERSITY HAWAII FOUNDATION	John Morton	Office of the Vice President for Community Colleges	Culinary Institute of the Pacific	To provide capital improvements for the Culinary Institute of the Pacific. Includes acquiring building permits and necessary drawing changes to reflect building code changes and conditions from the the Diamond Head Scenic District permit.	1	46,193
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	P-20 HKL Castle AY '12-'13	To pay for salary and fringe for the P-20 HKL Castle 2012-2013 award (through UH Foundation). Grant purpose: To strengthen the ability of the Hawaii P-20 Partnerships for Education to use longitudinal data, policy research, and communications to significantly increase college enrollment and completion rates.	1	64,299

**Mainland- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
FHI 360	Leon Richards	Chancellor, Kapiolani Community College	Open World Hosting Program FHI 360 (Open World Program)	Kapiolani CCs Honda International Center will provide customized contract training to 4-5 Ukrainian visitors and 1 facilitator (total of 6 from Ukraine). The program will include professional meetings, cultural activities, and social events.	1	3,750

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GILEAD FOUNDATION - GILEAD SCIENCES INC	Cecilia Shikuma	Hawaii Center for Aids Research	GS-US-216-0130: A Phase 3b, Open- Label, Single Arm Study to Evaluate the Safety and Efficacy of Cobicistat-Boosted Darunavir Plus Two Fully Active...	We plan to recruit, screen, enroll and manage HIV-infected, HIV treatment inexperienced and experienced participants on a research study investigating an experimental combination treatment regimen. We will be administering the study drugs, then monitoring the participants for side effects and efficacy.	1	25,600
ICON Clinical Research	Richard Arakaki	Department of Medicine	H9X-MC-GBDJ (REWIND) The Effect on LY2189265 on Major Cardiovascular Events in Patients with Type 2 Diabetes	This study will assess the effect of once-weekly LY2189265 compared to placebo on major adverse cardiovascular events in patients with Type 2 diabetes when added to their existing antihyperglycemic regimen. The objective is to test the hypothesis that once-weekly injection of LY2189265 reduces the occurrence of the composite endpoint of death from cardiovascular cause, nonfatal myocardial infarction, or nonfatal stroke when added to the glucose lowering regimen of patients with Type 2 diabetes compared to placebo. This is an event driven study and will complete when 1067 patients experience a primary endpoint event, adjudicated as such. The estimated duration of study depends on the observed cardiovascular event rate.	1	10,857

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL WRITING PROJECT CORP	Ellen Spitler	College of Education	NWP/HWP Teacher Leadership Development Grant	The Hawaii Writing Project HWP located at the University of Hawaii at College of Education is a schooluniversity collaborative program that has been providing professional development in writing and its classroom uses to teachers of all levels K16 and all disciplines since 1980. In partnership with the Hawaii Department of Education HDOE HWP helps teachers understand the power of writing as a way of learning. HWPs summer institutes have reached more than 2100 public and private school teachers statewide plus thousands more teachers and educators through its school year inservice programs. Core Invitational Summer Institutes ISI and Literacy Conference Summer Invitational Summer Institutes ISI are the foundational course that introduce teachers to the HWP. TeacherConsultants TCs are introduced to current research theory findings and best practices within a supportive peer educator environment that encourages inquiry and supports the development of educator stancevoice. Two ISI will be conducted one in the states urban core of Oahu and one on a rural island of Maui.	1	20,000
NOVARTIS PHARMACEUTICALS CORP	Richard Arakaki	Department of Medicine	Novartis Pharmaceuticals Corporation SPP100E2337 (Altitude)	A multicenter, randomized, double-blind, placebo-controlled, parallel-group study to determine whether, in patients with type 2 diabetes at high risk for cardiovascular and renal events, aliskiren, on top of conventional treatment, reduces cardiovascular and renal morbidity and mortality.	1	21,092

**Mainland- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CHILDREN'S HOSPITAL BOSTON	Mariana Gerschenson	Department of Cell and Molecular Biology	The Role of Mitochondrial Toxicity in Metabolic Complications of Pediatric HIV		1	18,750

**Mainland- Non-Profit Organizations**

## Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Association for Asian Studies	Mire Koikari	Center for Japanese Studies	Culture, Technology, and Transnationality in the Cold War Asia and the Pacific Conference	The symposium will focus on trans-Pacific exchange of culture, science, and technology as a crucial site of Cold War geopolitical dynamics.	1	2,200
ASSOCIATION UNIVERSITIES RESEARCH IN ASTRONOMY, INC.	Haosheng Lin	Institute for Astronomy	Diffraction Limited - Near Infra Red Spectro-Polarimeter Critical Design Phase (DL-NIRSP)	This proposal is to proceed to the Critical Design of the Diffraction Limited Near Infra-Red SpectroPolarimeter (DL-NIRSP) for the Advanced Technology Solar Telescope (ATST). The DL-NIRSP is a multi-slit, multi-wavelength, diffraction grating based spectropolarimeter. It is also equipped with an IFU (Integral Field Unit) for true-imaging spectropolarimetry at very high cadence. In the first light configuration, it will support simultaneous observations of three wavelengths. The instrument consists primarily of (a) a polarimeter, which performs the separation of the polarization state of the incident sunlight, (b) a multiple-slit spectrograph, which disperses the incident sunlight into a spectrum, (c) one visible CCD and two IR cameras record the polarized spectra provided by the polarimeter and the spectrograph, and d) an IFU interchangeable with the multiple-slit mask for true-imaging spectropolarimetry.	1	1,338,124
INSTITUTE INTERNATIONAL EDUCATION	Ho-Min Sohn	Department of East Asian Languages and Literature	University of Hawaii at Manoa Korean Language Flagship Center	Continue the project with the fourth and fifth cohort of students. Provide intensive training in advanced and specific-purpose Korean, through coursework and tutoring, to undergraduate students.	1	641,753
IREX	Leon Richards	Office of International Affairs	2011 - 2012 Global Undergraduate Exchange Program in Pakistan (Spring 2012)	This award provides participant support for one Pakistani fellow selected by the U.S. Department of State Educational and Cultural Affairs, in collaboration with IREX, for the Global UGRAD-Pakistan Cultural Ambassadors Passport to America program.	1	450
WESTERN STATES ART FEDERATION (WESTAF)	Timothy Slaughter	Community Programs	University of Hawaii Presents: Eth-Noh-Tec	Project involves a performance by storytelling duo Eth-Noh-Tec and includes 6 outreach activities.	1	2,000

## Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	The Hawaii Space Grant Consortium: 2011 Augmentation Proposal	The proposed effort outlines strategies and intended goals for the 2nd year of the Hawaii Space Grant Consortium's 5-year plan. The purpose is to align our objectives with NASA's strategic goals and continue to support NASA science education and workforce development activities.	1	1,150,000

### National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Bruce Frank Houghton	Department of Geology and Geophysics	Cities on Volcanoes 7: Advanced Understanding of Volcanic Hazard Mitigation for Graduate Students	<p>Proposal summary</p> <p>This proposal looks to fund the involvement of a group of 20 graduate students in the Cities on Volcanoes (COV) 7 congress held in Colima, Mexico during November 2012. It would subsidize travel and registration for these students and hold an informal workshop at the meeting to give them ample opportunity to discuss their research.</p> <p>The COV conferences aim is to break down the traditional divisions between volcanologists, social scientists, emergency managers, planners and engineers. The 2012 meeting has a multidisciplinary focus with themes and sessions planned to throw together specialists and students in all of these disciplines. As such it is a special opportunity for young scientists in disparate, yet related, disciplines to learn and to build networks as a basis for their future careers.</p> <p>The conference provides leading young career scientists from the USA with an outstanding opportunity to build and expand their professional networks across disciplines and international boundaries. This meeting is particularly appropriate for scientists at the start of their professional development. The student participants will meet a wide set of professionals, including emergency managers, sociologists and psychologists, planners,</p>	1	25,785

## Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				medical scientists, and economists. Learning to surmount cultural and linguistic differences and understanding the need for clear communication will be a feature of the meeting.		
NATIONAL SCIENCE FOUNDATION	Judith Lemus	Hawaii Institute of Marine Biology (HIMB)	COSEE Island Earth	Establish a Center for Ocean Science Education Excellence in Hawaii as part of a national network of centers, and expand it to the Western Pacific (American Samoa, Guam, Commonwealth of the Northern Mariana Islands).	1	319,040
NATIONAL SCIENCE FOUNDATION	Kevin M Kelly	Office of the Vice President for Research	Strategic Synergies: Developing Grade 6 to Sophomore Success Pipelines for Students Underrepresented in STEM	Faculty and researchers from EPSCoR, Campus Compact, and SENCER programs will form jurisdictional teams and attend the three-day SENCER Summer Institute (SSI) followed by the one day EPSCoR workshop.	1	98,607
NATIONAL SCIENCE FOUNDATION	Patricia A. Cooper	Graduate & Professional Education	Graduate Research Fellowship Program	To provide graduate students the opportunity to further their education by funding their research projects.	1	183,000

### US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DUKE UNIVERSITY MEDICAL CENTER	Alexander N Shor	School of Ocean and Earth Science and Technology	Duke University support of Ship Operations for Dynamic Camo II project (ONR)	Provide ship time for vendor.	1	100,000
KIRKWOOD COMMUNITY COLLEGE/CCID	Leon Richards	Office of International Affairs	Community College Faculty and Administrator Exchange with Indonesia (CCFA) - year two	Kapiolani CC, in partnership with Highline CC, will provide customized contract training and workshops to Indonesian Administrators. Training for Indonesian administrators to include English, job shadowing, seminars on community colleges, cultural visitations, and other community college administration events.	1	70,910

Gift, Grants, and Contracts for Jul 1, 2012 to Jul 31, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KIRKWOOD COMMUNITY COLLEGE/CCID	Leon Richards	Paul S. Honda international Center	Community College Initiatives	Provide quality educational programs, professional development, employment skills and first-hand understanding of American Society to under-served, non-elite international students to enable them to contribute to their home nation's future economic and democratic development.	1	96,200
<b>Non-Research - Total</b>					<b>116</b>	<b>31,978,299</b>
<b>Overall - Total</b>					<b>219</b>	<b>56,417,661</b>

## Funds Received from UH Foundation for Jul 1, 2012 to Jul 31, 2012

### Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Gertraud Maskarinec	Cancer Etiology	Cancer Research Center of Hawaii Traineeship	Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	1	15,500
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Frederick Lau	Center for Chinese Studies	Confucius Institute Support	Provides salaries and fringe benefits for Confucius Institute support personnel, and miscellaneous office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius Institute programs and activities.	1	12,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	John Morton	Office of the Vice President for Community Colleges	Culinary Institute of the Pacific	To provide capital improvements for the Culinary Institute of the Pacific. Includes acquiring building permits and necessary drawing changes to reflect building code changes and conditions from the the Diamond Head Scenic District permit.	1	46,193
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Chennat Gopalakrishnan	Natural Resources and Environmental Management	Journal of Natural Resources Policy Research	To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.	1	4,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	P-20 HKL Castle AY '12-'13	To pay for salary and fringe for the P-20 HKL Castle 2012-2013 award (through UH Foundation). Grant purpose: To strengthen the ability of the Hawaii P-20 Partnerships for Education to use longitudinal data, policy research, and communications to significantly increase college enrollment and completion rates.	1	64,299

### Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Jingjing Li	Mechanical Engineering	Develop a constitutive material model for pre-form annealing	The objective of this project is to understand the effects that prestrain path, level and annealing conditions have on the plastic material behavior, and in particular the flow behavior and anisotropy. The proposed tasks include: 1) recording tensile behavior for large strains through high-speed digital	1	15,000



**Funds Received from UH Foundation for Jul 1, 2012 to Jul 31, 2012**

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
					image correlation techniques for specimens with various histories of prestrain and annealing conditions, 2) assessing flow behavior by combining experimental and inverse engineering methods to create accurate stress hardening models for aluminum alloys, and 3) analyzing anisotropic behavior of aluminum and its dependence on prestrain and annealing history.		
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Kamal Masaki	Department of Geriatric Medicine	Geriatric Education Research S&F	S&F agreement for faculty time to conduct research in changes in independence of patients with Alzheimer's disease. Faculty will review medical records of nursing home patients to examine functional changes of patients with Alzheimer's disease and examine how the functional changes vary depending on therapy provided, hospitalizations and other diseases.	1	11,450
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	Kudo Chair	Faculty salary and fringe benefits for the Kudo Chair of Law	1	60,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	William Steven Ward	Institute for Biogenesis Research	Research Support Fund in the IBR for Regenerative & Stem Cell Biology	Provides research grants for undergraduates, graduate students, research assistants, and/or post-doctoral trainees conducting research in regeneration and stem cell biology.	1	70,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Marilyn F. Dunlap	Pacific Biosciences Research Center	Tree Snails Project	Funds will be used to conduct research on the genetics and molecular biology of Hawaiian invertebrates.	1	6,131
<b>Overall - Total</b>						<b>10</b>	<b>304,573</b>

**Extramural Research Awards for the Month  
Jul 1, 2012 to Jul 31, 2012  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	2	191,000	1%
DHHS-Dept of Health and Human Services	11	8,454,075	35%
DOC-Dept of Commerce	14	5,543,711	23%
DOD-Department of Defense	3	650,912	3%
DOE-Dept of Energy	1	67,669	0%
DOI-Dept of Interior	9	1,723,150	7%
ED-Dept of Education	3	948,084	4%
Foreign	1	341,579	1%
Hawaii- Business and Other	3	164,204	1%
Hawaii- Government Agencies	10	1,272,022	5%
Hawaii- Non-Profit Organizations	7	210,079	1%
Mainland- Business and Other	2	29,461	0%
Mainland- Non-Profit Organizations	3	275,615	1%
National Aeronautics and Space Administration	10	762,879	3%
National Science Foundation	19	2,836,638	12%
US Colleges and Universities	5	968,284	4%
<b>Overall - Total</b>	<b>103</b>	<b>24,439,362</b>	<b>100%</b>

**Extramural Non-Research Awards for the Month of  
Jul 1, 2012 to Jul 31, 2012  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	5	334,665	1%
DHHS-Dept of Health and Human Services	3	751,965	2%
DOC-Dept of Commerce	5	2,655,180	8%
DOD-Department of Defense	1	764,927	2%
DOI-Dept of Interior	1	9,625	0%
ED-Dept of Education	14	5,610,608	18%
Federal Agencies	3	2,818,184	9%
Foreign	3	131,374	0%
Hawaii- Business and Other	2	42,503	0%
Hawaii- Government Agencies	26	4,254,849	13%
Hawaii- Health Organizations	22	10,112,937	32%
Hawaii- Non-Profit Organizations	12	363,364	1%
Mainland- Business and Other	5	81,299	0%
Mainland- Health Organizations	1	18,750	0%
Mainland- Non-Profit Organizations	5	1,984,527	6%
National Aeronautics and Space Administration	1	1,150,000	4%
National Science Foundation	4	626,432	2%
US Colleges and Universities	3	267,110	1%
<b>Overall - Total</b>	<b>116</b>	<b>31,978,299</b>	<b>100%</b>

**Year to Date Extramural Research Awards  
Jul 1, 2012 to Jul 31, 2012  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	2	191,000	1%
DHHS-Dept of Health and Human Services	11	8,454,075	34%
DOC-Dept of Commerce	14	5,543,711	22%
DOD-Department of Defense	3	650,912	3%
DOE-Dept of Energy	1	67,669	0%
DOI-Dept of Interior	9	1,723,150	7%
ED-Dept of Education	3	948,084	4%
Foreign	1	341,579	1%
Hawaii- Business and Other	3	164,204	1%
Hawaii- Government Agencies	10	1,786,041	7%
Hawaii- Non-Profit Organizations	7	463,514	2%
Mainland- Business and Other	2	-10,539	0%
Mainland- Non-Profit Organizations	3	266,615	1%
National Aeronautics and Space Administration	10	736,879	3%
National Science Foundation	19	2,836,638	11%
US Colleges and Universities	5	968,284	4%
<b>Overall - Total</b>	<b>103</b>	<b>25,131,816</b>	<b>100%</b>

**Year to Date Extramural Non-Research Awards  
Jul 1, 2012 to Jul 31, 2012  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	5	334,665	1%
DHHS-Dept of Health and Human Services	3	751,965	2%
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ED-Dept of Education	14	5,610,608	18%
Federal Agencies	3	2,815,989	9%
Foreign	3	131,374	0%
Hawaii- Business and Other	2	42,503	0%
Hawaii- Government Agencies	26	4,243,849	13%
Hawaii- Health Organizations	22	10,112,937	32%
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Mainland- Business and Other	5	81,299	0%
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Mainland- Non-Profit Organizations	5	1,984,527	6%
National Aeronautics and Space Administration	1	1,150,000	4%
National Science Foundation	4	626,432	2%
US Colleges and Universities	3	267,110	1%
<b>Overall - Total</b>	<b>116</b>	<b>31,965,104</b>	<b>100%</b>