

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Agriculture, Dept - Animal and Plant Health Inspection Service	David Duffy	Department of Botany	Biosecurity Program for Early Detection of Honey Bee Pests and Diseases	Conduct surveillance for new honey bee pests in Hawaii.	1	72,182
Agriculture, Dept - Animal and Plant Health Inspection Service	David Duffy	Department of Botany	FY12 National Honey Bee Survey	Live bees will be collected from colonies around the state to be sent for analysis to APHIS cooperators at University of Maryland.	1	30,000
Agriculture, Dept - Animal and Plant Health Inspection Service	David Duffy	Department of Botany	Mitigation of Honey Bee Pests in Hawaii	Study the varroa mite and small hive beetle pests in honeybees in Hawaii.	1	87,080
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Daniel Rubinoff	Plant and Environmental Protection Sciences	Constructing a DNA-Based Systematic Framework for the Bactrocera Dorsalis (Diptera:Tephritidae) for Improved Control and Quarantine	To identify both morphologically and through DNA sequence, the species and populations in the Bactrocera dorsalis fruit fly species group to improve control and quarantine against these serious agricultural pests.	1	7,500
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Adding Value and Controlling Pests and Diseases of Papaya	Develop and evaluate non-toxic, preferably biological-based, environmentally suitable technologies and processes for pest and disease control on papaya.	1	122,371
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Control of Minor Crop Pests and Diseases	The project approach is to address the development of economical and environmentally friendly pest management strategies for Hawaii's crops. Utilize traditional breeding techniques and genetic engineering to develop cultivars, including flowers and nursery plants that are resistant to pests, or exhibit improved novelty, production or quality.	1	123,972
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Detection and Mitigation of Invasive Plant Viruses	Develop and evaluate multidisciplinary biologically-based pest management technologies to reduce the impact of newly discovered or existing invasive plant viruses in Hawaii. Conduct research and outreach activities to minimize the impact of invasive viruses on Hawaii's agriculture.	1	45,615

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AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Environmental Effects of Tephritid Fruit Fly Control and Management	The objective of this agreement is to develop, evaluate and transfer non-toxic, environmentally suitable and publicly acceptable technologies and processes for fruit fly pest management in order to enhance the production and interstate and international movement of Hawaiian agricultural commodities.	1	62,810
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Russell Nagata	Hawaii County	Acquisition of Goods and Services	Funding to support maintenance of Waiakea Experiment Station infrastructure to provide utilities and access to field plots.	1	5,642
AGRICULTURE, DEPT-FED	Donald Straney	Chancellor, UH Hilo	Acquisition of Goods and Services	Support for UHH students to undertake USDA research activities/projects	1	120,000
AGRICULTURE, DEPT-FED	Maqsudul Alam	Department of Microbiology	Optimizing Papaya Genome assembly	The University of Hawaii (Cooperator) and the Agricultural Research Service (ARS) desire to enter into this Agreement for the purpose of supporting research to be carried out at ARS and Cooperator facilities. ARS desires the Cooperator to provide goods and services which will involve optimizing the genome assembly with existing ABI and 454 data; performing genome annotation; doing deep analysis on the genes/proteins/pathways of ripening, secondary metabolism and pest resistant; and helping to draft a manuscript describing the work. This Agreement serves as an order for services to be funded on an annual basis.	1	22,000

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AGRICULTURE, DEPT-NATRL RES SVC-FED	Susan Crow	Natural Resources and Environmental Mgt	Rapid Assessment of Soil Carbon Project Assistance for the Hawaiian Islands	The Rapid Carbon Assessment (RaCA) project is a nationwide effort by the US Department of Agriculture (USDA)-Natural Resources Conservation Service (NRCS) Soil Survey Division to develop a scientifically based and statistically valid inventory of soil carbon stocks for the United States. The established protocol is for soil samples and related data to be collected for benchmark and other important soils, with samples to be allocated in a way that ensures that each soil series (genotype) is represented by all common land use and management conditions (phenotypes). As a result, the NRCS intends that results of this inventory may be used to aid land use and soil management decisions by land owners, planners, and policymakers. Each of the 12 (18) Major Land Resource Area (MLRA) Soil Survey Offices are responsible for the collection and analysis of soil samples within that MLRA region. The MLRA Office for Region 02 (MO-02), which is located in Davis, California, represents the Pacific Islands Area Soil Survey Region. The entire state of Hawaii is located within MO-02. Each of the 13 MLRA in the Hawaii Islands consists of geographically-associated land resource units that are similar in physiography, climate, water, resources, and soils. University of Hawaii Manoa proposes to work cooperatively with the USDA-NRCS to accelerate completion of the NRCS "Rapid Carbon" initiative in MLRAs in the Hawaiian Islands. The objective of the proposed work is to provide technical...	1	20,000

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-CDC-FED OCCUP SAFETY & HLTH	Elizabeth Tam	Department of Medicine	Program to Assess Health Effects Associated with Exposure to Volcanic Emissions & Environment Air Pollutants	The purpose of this grant is to build community research capacity to examine the health effects of volcanic and other types of air pollution	1	174,514

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HEALTH & HUMAN SVC, DEPT-NIH-FED	Dana-lynn Koomoa	Pharmaceutical Sciences	MYCN-induced calcium and magnesium signaling regulates Neuroblastoma progression	See attached proposal	1	134,922
HEALTH & HUMAN SVC, DEPT-NIH-FED	Linda Chang	Department of Medicine	Neural Correlates of Working Memory Training for HIV Patients	This study will evaluate the efficacy of an adaptive working memory computer-based training program called CogmedTM, on HIV- infected individuals, and determine whether the improvements are related to brain function (on functional MRI), neuroinflammation, neurochemistry, and a particular genotype.	1	537,120
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Carl-Wilhelm Vogel	Social and Behavioral Sciences	University of Guam/Cancer Research Center of Hawaii Partnership	Cancer research, training, education and outreach in partnership with the University of Guam.	1	997,530
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Gertraud Maskarinec	Cancer Etiology	R25T CURE Supplement	This minority supplement will support a postdoctoral fellow in Nutritional & Behavioral Cancer Prevention in a Multiethnic Population led by faculty at the Cancer Research Center of Hawaii and collaborators elsewhere at the University and health care organizations in Honolulu.	1	105,741
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Herbert Yu	Cancer Etiology	Epidemiologic Study of Hepatocellular Carcinoma in the US	This project will investigate the causes of hepatocellular carcinoma (HCC) among Americans and find the reasons responsible for the rise of HCC incidence in the US. The study plan to enroll 1,250 incident HCC cases and 2,500 population controls in the states of Connecticut and New Jersey.	1	1,059,509
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Iona C Cheng	Cancer Etiology	Obesogenic Environment: Impact on Breast, Colorectal, and Prostate Cancer Risk	We will obtain information on the neighborhoods of ~82,000 African Americans and Latinos using geographic information systems technology. We will investigate whether neighborhood characteristics related to obesity influence on breast, colorectal, and prostate cancer risk.	1	322,234

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HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Loic Le Marchand	Cancer Etiology	Obesity, Body Fat Distribution, and Cancer Risk in the Multiethnic Cohort	This study proposes to measure body fat directly using imaging methods (DXA and MRI) and to identify blood biomarkers and lifestyle behaviors that predict body fat distribution in a multiethnic population in order to test their associations with risks of breast and colorectal cancers.	1	3,632,670
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Marc Goodman	Cancer Etiology	Patterns of Care/Quality of Care Diagnosis Year 2011	The Hawaii Tumor registry will participate in this study to review records for diagnosis year 2011 cases to examine patterns and quality of care for subjects with metastatic melanoma, mesothelioma, oligodendrogliomas/astrocytomas, neuroblastoma and ovarian cancer.	1	30,917
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Patricia Susana Lorenzo	Natural Products	Regulation of Tumor Promotion by RasGRP1-Research Supplements to Promote Diversity in Health-Related Research	Investigate the mechanisms of RasGRP1 participation in skin carcinogenesis and the cooperation with oncogenic Ras. This is a supplemental to support the graduate student Lauren Fonseca (Native Hawaiian).	1	32,730
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	173,059
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG & BLD INST	Cecilia Shikuma	Hawaii Center for Aids Research	Role of Oxidative Stress and Inflammation in HIV Cardiovascular Risk	This proposal will study whether low baseline peripheral nerve fiber density will predict development of neuropathy in a clinical cohort in Thailand; and also study the role of mitochondria.	1	890,691
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Joe William Ramos	Natural Products	RSK2 Regulates Integrin-Mediated Adhesion and Migration	This work is focused on understanding how cell migration and cancer metastasis are controlled by the protein RSK2.	1	407,103

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HEALTH & HUMAN SVC,DEPT-NIH-FED NTL INST CHLD HLTH&HUM DEV	Kristin Pauker	Psychology (UH Manoa)	Development of Interracial Anxiety: Children's Lay Theories & Nonverbal Influences	<p>Kristin Pauker, Ph.D., is a postdoctoral scholar at Stanford University whose research focuses on childrens understanding of race-related knowledge and the impact of this understanding on behavior. She will begin a tenure-track, Assistant Professor position at the University of Hawaii in August 2012. Specific to this application, Dr. Pauker plans to study how childrens implicit lay theories (e.g., belief whether prejudice can change) and nonverbal influences in their environment (e.g., nonverbal behavior depicted in the media) affect the emergence of interracial anxiety and racial segregation in children. Extant research has established links between discrimination and negative mental-health outcomes, particularly for minority children. Interracial friendships may provide one potential buffer against these negative outcomes through decreasing interracial anxiety and the overall prevalence of discrimination. However, despite continued efforts to improve race relations in America, interracial friendships often drastically decline around the 5th grade. The primary goal of this research is to examine what processes underlie this decline and subsequent self-segregation, and to uncover how to motivate children to approach interracial interactions with positive expectations. Dr. Pauker completed two years of mentored training with experts in race perception and social development at Stanford and plans to conduct the next phase of this research at the University of Hawaii. In this phase, she will conduct a series of five studies to address whether interracial anxiety can be conveyed through patterns of nonverbal behavior represented in childrens environment (e.g., peers, media, parents) and whether children's lay theories about prejudice affect their susceptibility to "catching" nonverbal anxiety from others. The results of the entire set of studies will then inform a larger R01 application aimed at developing and testing an</p>	1	236,654

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				intervention to foster positive interracial i		

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	John Sibert	Joint Institute for Marine and Atmospheric Research (JIMAR)	ADMB Open Source Project	Please see narrative attached to grants package for details.	1	250,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Climate Change and Ecosystem Variability in the North Pacific Ocean and the Dynamics of Marine Resource Populations	Please see narrative attached to grants package for details.	1	96,171
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Hawaiian Monk Seal Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	275,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Ocean Remote Sensing	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	133,200

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COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Stock Assessment Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	740,000

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED SEA GRANT COLL PGM	Maria Chloe Haws	Sea Grant College Program	Expanding and Diversifying Near-shore Mariculture in Hawaii and the U.S. Affiliated Pacific Islands Through Resolution of Regulatory, Technical and	This work continues efforts to expand and diversify Hawaii's and the U.S. Affiliated Pacific Islands' aquaculture to provide jobs, increase food security and improve the regulatory and planning process for aquaculture development. First, work will continue to overcome regulatory obstacles that prevent Hawaii from developing its bivalve shellfish aquaculture industry, primarily related to shellfish sanitation. Secondly, we will partner with a wide range of private and public sector partners to continue work to streamline and clarify the permitting process for restoring and managing traditional Hawaiian fishponds, which represent prime coastal aquaculture sites, but which cannot be fully utilized due to regulatory difficulties. Thirdly, a selected range of research activities will be executed to overcome biological and technical obstacles related to improving the efficiency of bivalve aquaculture. These include testing methods of reducing predation, designing a floating upwelling system (FLUPSY) appropriate for local conditions to allow for nursery culture of bivalve spat, and designing an oyster breeding program specific to Hawaii conditions. Additionally, a bivalve shellfish development plan that encompasses aquaculture, restoration and water quality mitigation will be researched and developed. The fourth component is to develop a GIS database that compiles previous research results, including cultural aspects, on traditional Hawaiian fishponds.	1	291,045

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT- US ARMY CORPS OF ENGINEERS	David Duffy	Department of Botany	Natural Resources Research and Management for Navy Region Hawaii	Provide technical assistance to the Navy for native habitat protection at Pearl Harbor and Lualualei, Oahu.	2	117,000

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DEFENSE, DEPT- US ARMY CORPS OF ENGINEERS	David Duffy	Department of Botany	Pacific Missile Range Facility, Kauai	Provide technical assistance to the Navy for native habitat protection at the Pacific Missile Range Facility on Kauai.	1	123,000
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	2	97,909
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.	3	1,369,814
DEFENSE, DEPT-AIR FORCE OFC OF SCI RSCH	Wayne Shiroma	Electrical Engineering	Retrodirective Radar Calibration Nanosatellite	Train students in the design, fabrication, and test of a small satellite.	1	55,000
DEFENSE, DEPT-DEPUTY UNDR SECRETARY OF DEF	James Gaines	Office of the Vice President for Research	Managing Partner of Pacific Disaster Center	To support the evolvement of the Pacific Disaster Center into a public-private partnership benefiting from shared responsibilities and assistance from the Department of Defense and PDC with its internal management, administration, and development of concepts.	2	2,380,000
Defense, Dept. - U.S. Army Research Office	Tatyana Reshetenko	Hawaii Natural Energy Institute (HNEI)	Separation method for oxygen mass transport coefficient in two phase porous air electrodes - Transport in gas and solid polymer or liquid electrolyte	The performance of the air electrode used in electrochemical power systems (Zn/air and Li/air batteries, proton exchange membrane and direct methanol fuel cells) is limited by the finite transport rate of oxygen within porous electrodes. A better understanding of this fundamental limitation is necessary to increase performance as well as decrease electrochemical power system size in applications with volume requirements such as torpedoes, material handling and ground support equipment, and unmanned vehicles. A novel method to separate the mass transport coefficient into its constitutive components is proposed. The method is based on the use of a limiting current density distribution mathematical model and different diluent gases with varying molecular weights that only affect gas phase transport properties.	1	50,000

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ENERGY, DEPT	Feifei Jin	Department of Meteorology	Assessing Enso Regime Changes in a Changing Climate	We will assess the likelihood of El Nino regime changes in response to global warming. The outcome of this research should help to address the reliability of climate change projections.	1	185,634

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	Clifford W. Morden	Department of Botany	Plant Extinction Prevention Program	Preserve samples of endangered native plant species while attempting to preserve wild specimens within their natural habitats.	1	50,000
INTERIOR, DEPT-FISH & WILDLIFE SVC	Paul Krushelnycky	Plant and Environmental Protection Sciences	Understanding how climate change is affecting Hawaii's high-elevation ecosystems: an assessment of the long-term viability of Haleakala silverswords	Our project focuses on understanding patterns and causes of recent population declines in the Haleakala silversword that are associated with decreasing precipitation, increasing temperature, and related climate changes in Hawaii's high-elevation ecosystems. The Haleakala silversword is an ideal taxon with which to assess impacts from climate change. It forms the foundation of a diverse alpine community and likely reflects wider ecological changes; it is already exhibiting patterns of mortality consistent with an upslope shifting distribution; and its high visibility and symbolic status make it unmatched in educational potential. Building on extensive research infrastructure, we propose to collect the demographic and climate data needed to construct a robust population model and make future population projections under different climate scenarios. In addition, we propose to conduct a range of seedling drought tolerance experiments to clarify causes of recent widespread mortality, and determine methods most likely to lead to restoration success.	1	118

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INTERIOR, DEPT-FISH & WILDLIFE SVC	Thomas W Giambelluca	Geography	Field monitoring and analysis of climate change across a wide range of ecosystems in Hawaii	The overarching goal of this project is to ensure continued operation and maintenance of the HaleNet system, including field operations, equipment maintenance and replacement, sensor recalibration, data communication improvements, data screening/archival, data analysis, and dissemination of results.	1	61,350
INTERIOR, DEPT-NATIONAL PARK SVC	Patrick Hart	Biology (UH Hilo)	Vegetation Inventory and Monitoring Support		1	63,725
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Jonathan Price	Geography	Modeling climate-driven changes to dominant vegetation in the Hawaiian Islands	The goal of this study is to utilize a vast array of quantitative vegetation plot data to model dominant vegetation composition. Using models of future climates (produced by collaborators), we will predict changes to individual dominant species such that the combined models will elucidate potential future vegetation.	1	196,848
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Kamanamaikala Brenton Beamer	Kamakakuokalani Center for Hawaiian Studies	Hawaii Stream Name Recovery	USGS reclaiming of traditional Hawaiian Stream Names.	1	12,500
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	13,382
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	Hawaii Cooperative Studies Unit proposal with USGS PIERC to study ecological patterns of the Hawaiian Hoary Bat.	1	22,002
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Wildlife Health in the Pacific, dated 12/16/2011	Continue studies of the impacts and ecology of avian pox, malaria, and mosquito vectors on the avifauna of the Hawaiian Islands	1	7,608
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Vice Chancellor for Research	Conservation Genetics of Rare and Endangered Plant Species on Department of Interior Lands in the Pacific Basin: Molecular Tools for Assisting...	HCSU support staff to work on collaborative research with USGS PIERC focused on studying the conservation genetics of several rare plant species	1	32,048

Foreign

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International Ocean Institute-Malta	James Gaines	Pacific Disaster Center	Supporting the "Enhancing Flood Early Warning Capability of Thailand's National Disaster Warning Center" Project	The Kingdom of Thailand has experienced severe flooding in many provinces resulting from monsoon rainfall which has affected commerce, livelihoods, and the general functioning of the Kingdom. The International Ocean Institute and the Pacific Disaster Center have been working as close collaborative partners to provide technical assistance to strengthen the early warning capabilities of Thailand's National Disaster Warning Center Project.	1	50,000
UNITED STATES-ISRAEL BINATIONAL SCIENCE FOUNDATION	Tao Yan	Civil and Environmental Engineering	Effect of Residual Antibiotic Amendment on Molecular Evolution of Antibiotic Resistance in Indigenous Soil Microbial Communities	Study the effects of residual antibiotics on the evolution of antibiotic resistance in soil environments	1	30,000

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EAST WEST CENTER	Aly El-Kadi	Water Resources Research Center	Assessing Sustainability of Ground Water Resources Under Future Climate Conditions	We will use projections of climatic conditions together with stochastic hydrologic models to assess the sustainability of ground water resources. With advance planning, through research, the consequences of climate change on water systems can be mitigated.	1	47,013
SAM HOUSE DEVELOPMENT, LLC	Hyoung-june Park	School of Architecture	The Optimization of a Smart Building Design and its Management Solutions on the View of Cost Effectiveness for Building Users	This proposed project is to develop an optimized smart building design strategy and its management solutions for maximizing the potential marketability of the smart building. The implementation of the smart building design strategy is to take advantage of greater tenant satisfaction, reduce energy cost and environmental impact, and decrease operational inefficiencies. The design strategy and management solutions will build upon a solid history, enable staff and existing plans to take a holistic view of buildings including building systems, occupants, the environment, energy sources, operating policy, and capital and operating expenses.	1	30,000

Hawaii- Government Agencies

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ATTORNEY GENERAL, DEPT-HI	Karen Umemoto	Urban and Regional Planning	Parole Mapping Project	The goal of this study is to provide a geographical and statistical profile of this offender population using existing data on the probation and parole populations. It will illustrate the spatial distribution and characteristics of the population and identify ongoing uses of GIS for administrative purposes. The project is a partnership between the State of Hawaii, Department of the Attorney General and the Hawaii State Judiciary.	1	46,120
HEALTH, DEPT-EXEC OFF AGING-HI	Christy-ann M Nishita	Center on Aging	Evaluation of Hawaii Community Living Program	The University of Hawaii Center on Aging proposes a research project to evaluate the Executive Office on Aging's Community Living Program. The purpose of the program is to support individuals who need supports to remain living in the community.	1	9,014
HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Valli Kalei Kanuha	Sociology	CBCAP-DOH UH Prevention Plan (Phase I)	SCOPE OF SERVICES IDENTIFICATION OF EVIDENCE-BASED RESEARCH ON DESIGN, IMPLEMENTATION AND OUTCOMES OF CHILD ABUSE AND NEGLECT STATEWIDE PREVENTION PLANS -Phase I- SCOPE OF WORK 1. Background Research a. Review of literature on child abuse and neglect -CAN-prevention planning b. Review of design, implementation and processes related to CAN statewide prevention plans c. Review of outcome and evidence-based research on CAN statewide prevention plans 2. Project Leadership and Advisors a. Identify core leadership and advisory functions, roles, positions for CAN statewide prevention plans b. Convene preliminary meetings of project leaders and advisors to review findings from 1. above 3. Planning and Project Design a. Identify core elements, processes and design to develop Phase II, CAN statewide prevention plan: data collection and analysis	1	48,000

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HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Valli Kalei Kanuha	Sociology	CBCAP-DOH UH Prevention Plan (Phase II)	SCOPE OF SERVICES DESIGN AND PRELIMINARY DATA COLLECTION FROM OFFICIAL SERVICE PROVIDERS AND KEY INFORMANT STAKEHOLDERS FOR CHILD ABUSE AND NEGLECT STATEWIDE PREVENTION PLAN (Phase 2) SCOPE OF WORK 1. Planning and Project Design a. Finalize core elements, processes and design for data collection and analysis of official service provider and key informant stakeholders in Hawaii b. Convene project advisors for consultation on project design c. Complete data collection measures and interview guides d. Identify official service provider and key informants for data collection phase e. Complete IRB application and approval from UH and DOH 2. Data Collection - Pilot a. Begin preliminary data collection with service providers and key informants b. Pilot focus and individual interviews c. Analyze preliminary data 3. Data Collection - I a. Collect data from 50% of service providers and key informants b. Analyze data collected; modify measures, protocols and study design as appropriate for data collection II.	1	48,000

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LAND & NATURAL RES, DPT-AQUAT (DLNR)	Alan Friedlander	Department of Zoology	META-ANALYSIS OF REEF FISH DATA IN HAWAII	Numerous investigators (NOAA CRED, NOAA Biogeography, WHAP, CRAMP, and TNC) are collecting reef fish data at a variety of spatial scales and the proposed meta-analytical approach can be a powerful tool to synthesize all the data sets into a spatially comprehensive characterization of reef fish assemblages around the Hawaiian Islands while controlling for habitat, waves exposure and geographic influences. This will, for the first time, allow us to define the biogeographic distribution of fishes across the entire Hawaiian Archipelago with the intended goal of developing a biogeographic framework to examine natural and anthropogenic factors that influence the patterns of reef fishes across one of the most unique and isolated marine ecosystems on earth. Additionally, this meta-analysis will provide an evaluation of existing MPA's in the context of the entire seascape and examine fish assemblage structure across gradients of anthropogenic and natural influences. This will inform managers on the current effectiveness of MPAs across a wide range of habitats and help determine what characteristics of individual MPAs are most important and where areas are in need of greater conservation efforts. This analysis will help inform future MPA network design and contribute to comprehensive marine spatial planning.	1	41,762
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Coordination and Planning of the Kauai Seabird Habitat Conservation Plan on Kauai, Hawaii	Complete a programmatic seabird habitat conservation plan and National Environmental Policy Act analysis for the incidental take of endangered seabirds due to light attraction.	1	230,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Development of a Habitat Conservation Plan for Game Mammal Management in North Kona, Hawaii	Conduct research to develop a conservation plan for game mammal management in conservation areas in Hawaii.	1	30,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Endangered Maui Forest Bird Population Research and Management	Research and manage recovery efforts for endangered Maui forest birds, including the Po'ouli.	1	285,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Forest Restoration on Mauna Kea	Restore native forest areas on Mauna Kea to mitigate the declining population of endangered native Palila, a finch-billed honeycreeper.	1	80,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Kauai Endangered Forest Bird Conservation Research and Management	Continue research and field management to restore endangered Hawaiian forest birds on Kauai.	1	160,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Maui District Endangered Species Research	Research and monitor endangered seabirds on Maui, Molokai, and Lanai.	1	130,083

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KUAKINI MEDICAL CENTER	Jane Uyehara-lock	Department of Pathology	Epidemiology of Aging and Dementia Autopsy Research	To provide pathology services and analysis of autopsy results as part of the on going Honolulu-Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.	1	4,268
QUEEN'S HOSPITAL MEDICAL CENTER	Gordon S. Okimoto	Cancer Etiology	Functional Genomics and Molecular Imaging of Liver Disease and Cancer	Using positron emission tomography/computed tomography (PET/CT) of liver cancer tissue, this study will perform integrated analysis of high-dimensional microarray data to enhance the identification of genes, pathways, and novel biomarkers for the early diagnosis of liver cancer.	1	283,026

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII CROP IMPROVEMENT ASSOCIATION	Alberto Bressan	College of Tropical Agriculture and Human Resources	Biology of Maize Chlorotic Mottle Virus in Hawaii: Identification of Insect Vectors, Transmission Mode, Vector Seasonality and Alternative Host Plants	This proposal addresses key questions that will facilitate the development of accurate management practices against the MCMV and its vectors and quantify the risk of viral infections in corn fields.	1	47,850
PACIFIC HEALTH RESEARCH & ED INSTITUTE	Chien-Wen Tseng	Department of Family Medicine and Community Health	Reducing Cost-Related Medication Nonadherence in Persons with Diabetes	To determine if the Prescribing Guide improves medication adherence in persons with diabetes and to calculate whether the Prescribing Guide lowers out-of-pocket costs for persons with diabetes.	1	59,732

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TRI-ISLE RES CONSERVATION & DEV COUNCIL	Clifford W. Morden	Department of Botany	Natural Resources Management in Kapunakea Preserve, West Maui		1	94,679
UNIVERSITY HAWAII FOUNDATION	Alan Friedlander	Department of Zoology	An Assessment of Effects of Gillnets	In order to determine the effectiveness of gillnet regulations on fish stocks, nearshore surf zone fishes on windward Oahu are being sampled using beach seines in a before-after-control-impact design. In addition, fishing effort is being monitored to examine fishing patterns and practices along windward Oahu.	1	100,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICA VIEW	Robert Wright	Hawaii Institute of Geophysics and Planetology (HIGP)	StateView Program Development and Support for the State of Hawaii	Supporting educational and outreach efforts in the State of Hawaii, with respect to how satellite remote sensing data can be used to study the environment.	1	23,500

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Chevron Products Co., Hawaii Refinery	Florence Thomas	Hawaii Institute of Marine Biology (HIMB)	Partnership to measure effluent toxicity using a Tripneustes gratilla fertilization assay	<p>As we move into the 21st century partnerships between public academic institutions and private industries are likely to become increasingly important. The partnerships provide the link between the intellectual assets of public universities and private industry that are economic drivers in the surrounding communities. In Hawaii the formation of these partnerships are particularly important since local industry has limited access to intellectual resources such as those readily available in metropolitan areas in the continental U.S. In Hawaii the University of Hawaii provides an important locus of knowledge that is useful to the private sector and can be made available through partnerships focused on specific goals. Here we propose to continue a partnership with Chevron Hawaii Refinery to determine if effluent from the refinery has a toxic impact. We have developed a Whole Effluent Toxicity Testing (WETT) Laboratory at the University of Hawaii, Hawaii Institute of Marine Biology. The goal of this project is to conduct whole effluent toxicity tests (WET) using the Hawaiian Collector Urchin (<i>Tripneustes gratilla</i>) following flexibilities allowed by the USEPA protocol and a set of best practices assembled by Chevron. The plan is to follow these procedures and work with Chevron to modify them as needed so that consistent results of the tests are accomplished. HIMB will provide ongoing test support for Chevron. In addition to conducting the tests the goals of the partnership are to include a research program designed to understand toxicity in tropical waters. The primary responsibility of HIMB is to provide test support; however as time permits they will conduct research as outlined below. In this was the partnership is mutually beneficial and focused on training in both public and private sectors while meeting a need expressed by the private sector.</p>	1	228,511

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
MALIN SPACE SCIENCE SYSTEMS	Scott Rowland	Department of Geology and Geophysics	University of Hawaii Participation in Mars Science Laboratory (MSL)	University of Hawaii Participation in Mars Science Laboratory.	1	295,710
MVSYSTEMS INC	Bor Liaw	Hawaii Natural Energy Institute (HNEI)	Photoelectrochemical Hydrogen Production, Amendment 8	To perform a comprehensive materials research and development effort to develop process-compatible films for high performance photoelectrode devices and to design, fabricate and test prototype photoelectrode devices based on best-available materials to demonstrate technology advancement.	1	106,700
QinetiQ North America	Lloyd Hihara	Mechanical Engineering	Portable Exposure Racks for Corrosion Testing	Portable Exposure Racks (PERs) will be fabricated, delivered to the sponsor or the US Army Materiel Systems Command. The PERs will be exposed at various sites of interest to the US Army Materiel Command and returned to UH. UH will then process the data and provide the sponsor with a report on the findings.	1	130,000
Select Engineering Services (SES)	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	TARDEC Alternative Energy Technology Demonstration	Develop and deploy high-rate data acquisition system and storage system to support HNEI Research's efforts to collect and analyze data streams to support visualization and analysis of renewable energy technologies being assessed by the micro-grid demonstration program being administered by the US ARMY.	1	55,545
TREX ENTERPRISES CORPORATION	M Ghasemi Nejhad	Mechanical Engineering	Development of High Performance SiC-SiC and H-SiC Composites Employing Polymer Infiltration Pyrolysis, Phase III	SiC-SiC Continuous Fiber Ceramic Composites (CFCCs) will be developed employing Polymer Infiltration and Pyrolysis (PIP) employing a preceramic-polymer and a SiC-fiber.	1	125,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Vertex Pharmaceuticals Incorporated	Sandra Chang	Department of Tropical Medicine, Medical Micro and Pharm	Sponsored Research Agreement: Malaria in vitro assays	<p>Research Objective/Rationale: Vertex Pharmaceuticals Incorporated has a long history working on the design of novel antibiotic compounds and has developed numerous highly advanced chemical series of drug candidates. The company has characterized them in many different in vitro and in vivo assays for their antibiotic potential. Vertex wishes to work with Dr. Sandra Chang and her laboratory at the University of Hawaii at Manoa on a contracted research project for malaria. Dr. Chang and her team have optimized in vitro assays, evaluated host-pathogen interactions, and completed multiple malaria pharmacology and immunology studies, which resulted in publications in reputable scientific journals. The proposed work will fulfill the following objectives:</p> <p>1. Evaluate up to twelve (12) Vertex compounds for growth inhibition activity in vitro by using <i>P. falciparum</i>-infected erythrocytes in a flow cytometry assay. This assay will use the 3D7 isolate (drug-sensitive) and Dd2 isolate (multidrug-resistant) of <i>P. falciparum</i> labeled with the SYBR® Green fluorescent dye.</p> <p>2. If the first studies and objectives of #1, above, are well met, Vertex may select three compounds for subsequent evaluation of anti-malarial activity using a panel of representative clinical isolates. These will include a panel of up to five drug sensitive and drug resistant clinical isolates.</p>	1	25,000

Mainland- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KLEIN BUENDEL, INC.	Cheryl Lynn Albright	Department of Nursing	Home exercise program (DVD) for women with infants and young children	Over the Year 03 of this grant UH-SONDH faculty and staff will recruit 572 postpartum women for the randomized controlled trial. UH-SONDH staff will coordinate and initiate	1	224,389

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				all of the online recruitment efforts e.g., creating Google pop up ad campaigns and posting notices on parenting websites. Once a woman consents to join the study, UH staff will send her condition-specific technology as well as incentives for participating in the study's online surveys i.e., Amazon gift codes. Upon completion of recruitment and implementation of the appropriate condition-specific interventions, UH project staff will analyze the data from the online surveys. The results from these analyses will be submitted for publication at national-international conferences and for publication in journals.		

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
National Cattlemen's Beef Association	Ashley Stokes	Human Nutrition, Food and Animal Sciences	Determination of Environmental Exposures during the Transport of Cattle from Hawaii to the Mainland United States	We are investigating options that will refine the shipping protocol utilized for sending cattle to the US mainland, especially to ensure health and welfare. We are examining cowtainer temperature and humidity and tracking the internal temperature and evaluation of physiological indicators of stress of the animals.	1	10,000
SEATTLE INSTITUTE FOR BIOMEDICAL & CLINICAL RESEARCH	Richard Arakaki	Department of Medicine	Diabetes Prevention Program Outcomes Study in Hawaii	Maintain outcomes measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyles modification and metformin treatment are continued during the course of the proposal in people at risk/those who develop diabetes. Additional, more extensive outcomes measures will be obtained.	1	9,173

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Alexander Krot	Hawaii Institute of Geophysics and Planetology (HIGP)	Mineralogy, Petrology, and Isotope Composition of Chondrite Components	To confirm a genetic relationship between rare flat earth element (chondrules), we propose to analyze isotope compositions and trace element abundances in rare chondrules.	1	52,210

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Using measuring instruments such as the Cameca lms-1280.		
NATIONAL AERONAUT & SPACE ADM	Bernard Ray Hawke	Hawaii Institute of Geophysics and Planetology (HIGP)	Geologic and Remote Sensing Studies of Planetary Crusts	This three-year proposal describes the continuation of a research program to utilize spacecraft remote sensing data to address a number of important lunar problems. The objectives of the proposed study include the following: 1) Investigate the processes responsible for the formation of light plains deposits; 2) Locate and characterize regions of ancient (>3.8 Ga) mare volcanism (cryptomaria); 3) Determine the composition of the earliest mare basalts that are associated with cryptomaria; 4) Identify and determine the chemical composition and mineralogy of nonmare volcanic deposits; 5) Investigate the composition and origin of the Th-rich material excavated by a number of impact craters in the Imbrium-Procellarum region; 6) Determine the origin of bright and dark rays associated with impact craters on the Moon; 7) Investigate the volume, morphologies, and spectral properties of lunar impact melt deposits; 8) Utilize the results to investigate the lateral and vertical composition of the lunar crust; and 9) Use the results to place realistic constraints on the geochemical, magmatic, and thermal evolution of the Moon. The results of this investigation will have important implications for comparative planetology as well as general application to the study of such processes as volcanism and impact cratering that are common to the terrestrial planets.	1	76,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Miriam Riner	Hawaii Institute of Geophysics and Planetology (HIGP)	New Element Maps of the Moon: Enhancing the foundation for integration of diverse data sets of terrestrial bodies	<p>We propose to create an improved, self-consistent set of element maps of the Moon by integrating Lunar Prospector (LP) Gamma-ray (GRS) and Neutron Spectrometer (NS) with ultraviolet, visible and near infrared (UV-VIS-NIR, 0.3-2.5µm) spectroscopy. New discoveries, newly available data sets and unexploited data sets provide a synergistic opportunity to resolve discrepancies between existing element maps, reduce uncertainties, and lead to new discoveries that may improve our understanding of the evolution of the Moon. We will: (1) Revisit TiO₂ prediction from UVVIS color using true UV wavelengths available from LROC WAC multispectral images, (2) integrate NIR spectral features of ilmenite with UVVIS color estimates of TiO₂ abundance to improve the predictability of TiO₂ from reflectance spectroscopy (3) use new ilmenite spectra in radiative transfer models (Hapke) of the reflectance spectra of the lunar surface and apply the updated model to M3 spectra to map ilmenite in the lunar maria, (4) integrate Clementine-derived mineral maps with previously unused LP fast neutron flux together with the thermal to epithermal neutron flux ratio and gamma-ray spectroscopy to achieve consistency between four data sets or identify and understand differences. This work will improve on previous maps in several key ways: (1) consider long wavelength features in the spectrum of ilmenite to reduce ambiguity in the UVVIS color TiO₂ relationship, and (2) incorporate the fast neutron flux into integration of LP GRS, NS, and Clementine mineral maps.</p> <p>Mineral and element maps produced from the integration and comparison of LP element maps and Clementine mineral maps led to many new discoveries prompting several important paradigm shifts in lunar science (i.e. global compositional asymmetry). We will use the new maps to study the diversity of lunar crustal rocks to understand volcanic processes</p>	1	80,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				and second order characteristics of the lunar magma ocean. The revised maps will be submitted		
NATIONAL AERONAUT & SPACE ADM	Nader Haghighipour	Institute for Astronomy	Contribution of Planetesimals to the Composition of Giant Planets	We propose to study planetesimal-envelope interactions in detail and to portray a complete picture of the late stage of giant planet formation that is consistent with the physical and dynamical properties of these objects, within both the core accretion and disk instability models	1	110,000
NATIONAL AERONAUT & SPACE ADM	Paul Grandmont Lucey	Hawaii Institute of Geophysics and Planetology (HIGP)	Co-investigator Support for the LOLA Experiment	The investigators will use data from the Laser Orbiter Lunar Altimeter to conduct scientific studies regarding the Moon	1	124,999
NATIONAL AERONAUT & SPACE ADM	Paul Grandmont Lucey	Hawaii Institute of Geophysics and Planetology (HIGP)	Space Weathering in the Inner Solar System	The project will derive information about planets from data collected from spacecraft	1	117,000

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Alan Tokunaga	Institute for Astronomy	NSF Visitor and Observing Support for the NASA Infrared Telescope Facility	NSF funding is requested to provide visitor and observing support costs for IRTF observational programs of scientific interest outside the solar system and in particular astronomical studies supported by the NSF.	1	718,431
NATIONAL SCIENCE FOUNDATION	Aleksandar Kavcic	Electrical Engineering	Collaborative Research: Factor-Graph Approach to Monitoring and Failure Assessment in Smart-Grid Networks	Modeling a factor graph associated with a micro-grid, including electric, load, wind and solar interactions. Developing belief propagation algorithms for monitoring. Assuring secure communication of messages.	1	75,000
NATIONAL SCIENCE FOUNDATION	Donald Price	Biology (UH Hilo)	Dimensions: Collaborative Research: A community level approach to understanding speciation in Hawaiian lineages		1	316,582

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Douglas S Luther	Department of Oceanography	Extending Abyssal Mixing Observations and Parameterizations	Estimates of the vertical rate of mixing in the deep ocean will be made with specialized analysis techniques applied to the global WOCE hydrographic database. This information will then be used to test and refine generalized models of deep ocean mixing.	1	41,300
NATIONAL SCIENCE FOUNDATION	Erica Goetze	Department of Oceanography	EAGER: New molecular methods for studying copepod nauplii in the field	This proposal requests support to develop and validate a new molecular method for studying copepod nauplii in the field. The over-arching goal is to examine the role of these dominant metazoans in marine food web dynamics.	1	298,507
NATIONAL SCIENCE FOUNDATION	Margaret Anne McManus	Department of Oceanography	Ocean Acidification-Collaborative Research: OMEGAS II-Linking ecological and organismal responses to the ocean acidification seascape...	Test whether populations of ecologically important coastal invertebrates vary in their responses to persistent spatial variation in sea water chemistry.	1	13,820

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Matthew Church	Department of Oceanography	Dimensions: Collaborative Research: Oligotrophic phytoplankton community response to changes in N substrates and the resulting impact on genetic, tax	<p>Intellectual merit: The photosynthetic activities of marine phytoplankton, including diverse prokaryotic and eukaryotic unicellular algae, account for approximately 50% of global carbon fixation. Nitrogen (N) is an essential nutrient for algal growth, but concentrations of bioavailable nitrogen in the open ocean are often extremely low (submicromolar to nanomolar concentrations), and its supply often limits phytoplankton growth. Phytoplankton taxa differ in their capabilities to take up and assimilate nitrogen (and other nutrients) and ecological competition for different chemical forms of nitrogen (ammonium, nitrate and urea) and supply of these N-containing compounds forms an important control on phytoplankton growth and productivity. To date however, there is limited information available on how the form and fluxes of N-containing compounds impacts the compositional structure or spatiotemporal succession patterns among phytoplankton assemblages. This proposal seeks to determine how the metabolism of different forms of N affect the selection for different groups of phytoplankton in the oligotrophic open ocean. Since most phytoplankton do not yet have representative cultured isolates, the project will rely primarily on cultivation-independent approaches to quantify the physiological and compositional responses of different members of the phytoplankton assemblage to different sources of N. By coupling transcriptomic and physiological analyses on the responses of phytoplankton communities to the availability of nitrate, ammonium, and urea, the project will provide predictive understanding of how changes in the availability of key nutrient pools may impact phytoplankton dynamics in the open sea.</p> <p>Broader impacts: This project seeks to understand the ecological basis linking the metabolism of N to phytoplankton biodiversity in the open ocean. The underlying</p>	1	341,405

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				concept that links ecological competition for nutrients (in this case N) to phytoplankton diversity will provide a		
NATIONAL SCIENCE FOUNDATION	Petra Lenz	Pacific Biosciences Research Center	The Drive to Survive: Copepods vs Ichthyoplankton	To determine the details of predator evasion by different species and life stages of copepods using a model ichthyoplankton.	1	542,383
NATIONAL SCIENCE FOUNDATION	Victor Lubecke	Electrical Engineering	Real-Time Non-Contact Sensing of Variations in Cardiorespiratory Volume	We propose to explore the use of non-contact radar techniques for the measurement of volume associated with human respiratory and cardiac function.	1	99,669

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Michael Kawate	Plant and Environmental Protection Sciences	2012 IR-4 Western Region Food Use Residue Program	This subaward is for pesticide residue field trials to be conducted in Hawaii under direction the IR-4 Project. Funds are to be allocated from the Western Region IR-4 Office at UC Davis. We are assigned 12 projects to complete in 2012.	1	60,000
CALIFORNIA DAVIS, UNIVERSITY OF	Robert E Paull	Tropical Plant and Soil Science	Integrated Postharvest Extension Program for Cambodia and Vietnam	The goal of this exploratory project is to research current capacity and needs with respect to postharvest handling and quality, leading to a full proposal whose aim would be to strengthen the capacity of Vietnamese growers and marketers to improve fruit and vegetable postharvest quality and to ensure product quality.	1	6,853
HAWAII PACIFIC UNIVERSITY	Susana Helm	Department of Psychiatry	The Development of a Video-Enhanced Drug Prevention Program for Rural Native Hawaiian Youth	Develop a drug prevention program for rural native Hawaiian youth.	1	2,000
JOHNS HOPKINS UNIVERSITY	Linda Chang	Department of Medicine	Development of Quantitative MRI/DTI Analysis Tool for Pre-Term Neonate	Our long-term goal is to use quantitative MRI analysis technologies to detect anatomical abnormalities in prematurely born neonates at the term-equivalent age and provide early prognostic markers for later functional outcomes.	1	245,685

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JOHNS HOPKINS UNIVERSITY	Marc Goodman	Cancer Etiology	Multicenter Genetic, Epigenetic & Expression Analysis of DCIS Outcome Predictors	The goal of this project is to identify the molecular alterations that occur in the progression from ductal carcinoma in situ (DCIS) to invasive breast cancer.	1	5,000
Naval Postgraduate School	Aaron T Ohta	Electrical Engineering	Liquid-Metal Antenna Technology for Remote Assessment, Detection, and Counteraction of Electromagnetic Threats	Research and development of liquid-metal antennas for the detection of electromagnetic pulses and explosions	1	155,000
NORTHEASTERN UNIVERSITY	Marcus Tius	Department of Chemistry	Cannabinergic Ligands and Drugs	This proposal describes the chemical synthesis of a series of small carbon-containing molecules that will selectively bind a receptor protein.	1	51,100
South Dakota School of Mines & Technology	Michael John Cooney	Hawaii Natural Energy Institute (HNEI)	Extraction of Bio-oils from Biomass Using Ionic Liquid Based Co-solvents	This project will obtain the experimental data required to characterize the molecular and thermodynamic properties that control the extraction and phase separation of lipids from biomass in co-solvent mixtures.	1	9,161
TEXAS SOUTHWESTERN MED CTR, UNIV	David Jameson	Department of Cell and Molecular Biology	Biophysical Analysis of LRRK2		1	34,175

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TEXAS SOUTHWESTERN MED CTR, UNIV	Michelle Seidel	Center for Cardiovascular Research	Microenvironmental control of progenitors in organ dysfunction and repair	The major goals of this grant are to understand the role of the non-cardiomyocytes the microenvironment in the functional repair of the heart. The aims of this grant are to : define cell fate mechanisms in the microenvironment, using lineage tagging and tracing, to identify and isolate progenitors and other key cell subpopulations using targeted miRs, molecules and gene mutations to promote desirable fates; define a mechanistic signaling map of how pathophysiological stress/injury promotes structural and functional repair by activating, amplifying and fine-tuning microenvironment cell fate pathways, and to collaborate consortium-wide to develop education programs, built from knowledge of microenvironment cues and signals, targeted miRs and molecules, that can steer iPS cells towards desired fates and enhance their function in vivo. The specific project of the Tallquist Lab is to better understand the major source of the non-cardiomyocytes of the heart, the epicardial derived cells. By manipulating this cell population we can generate animals that either lack or possess enhanced numbers of cardiac fibroblasts and/or vascular smooth muscle cells. Using these animals we can then assess the injury response in the presence or absence of these cells. Once these data are obtained we can investigate the use of small molecules and miRs to manipulate the activity of these cells	1	100,000
UTAH STATE UNIVERSITY	Matthew Stevenson	Human Nutrition, Food and Animal Sciences	Secondary Effects of Behavior-based Pasture Management	Working with 5 collaborating private livestock operations, PIs will track via GPS collars pasture use of animals trained to eat weeds. PIs will conduct feeding trials to evaluate anti-parasitic qualities of weeds.	1	26,770

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
YALE UNIVERSITY	Kevin TM Johnson	Department of Geology and Geophysics	Integrated Experimental and Modeling Studies of Mineral Carbonation as a Mechanisms for Permanent Carbon Sequestration in Mafic/Ultramafic Rock	Integrated experimental and modeling studies of mineral carbonation as a mechanism for permanent carbon sequestration in mafic/ultramafic rock. Experiments and field work on carbon sequestration in Hawaiian rocks.	1	141,486
Research - Total					114	23,010,531

Non-Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Agriculture, Dept - Animal and Plant Health Inspection Service	Arnold H. Hara	Plant and Environmental Protection Sciences	Educational Initiative for Improving Risk Identification and Pest Detection in Hawaii	Hawaii is a transportation hub for both east- and west-bound traffic comprised of military, cargo and passenger movement. Inspection of cargo prior to shipping or upon arrival as the primary means of detecting alien species (arthropod, pathogens, plant) has not been able to staunch the steady outflow and influx between Hawaii, the Pacific and Caribbean Basins, and the continental US. The situation is deteriorating to emergency status as cutbacks within federal and state agencies that provide inspection are coupled with ever-increasing global movement due to trade, military action, and tourism. Consumers in the United States, including Hawaii, are affected by higher prices to cover the cost of agricultural quarantine pest management (food, ornamentals) and reduced quality of life (ecological impact of invasive species on native flora and fauna through competition and loss of habitat). In August 2009, a warning letter was issued by key state and federal agricultural officials to hundreds of Hawaii's growers that shipments sent to California containing even one quarantine pest would trigger severe restrictions and costly shipment rejections that would deliver a devastating blow to the state's cut flower, potted plant, fruit, and vegetable industries. A recommendation that	1	99,997

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				accompanied the warning was to implement an active plan of education, cooperation and increased safeguards to clean up these products for export. To that end, this suggestion addresses...		
AGRICULTURE, DEPT-FED	Andrea M Kawabata	Tropical Plant and Soil Science	Risk Management/Crop Insurance Education for Hawaii Producers 2012-2013	This project will build awareness and educate producers, then help them implement risk management strategies and tools.	1	99,985
AGRICULTURE, DEPT-FED	Mark Sutton Thorne	Human Nutrition, Food and Animal Sciences	Outreach and Assistance in Tropical Pasture and Livestock Management of Pacific Islanders	This project will provide training to Native Hawaiian and Pacific Islander ranchers and natural resource professionals of Hawaii, Guam, Northern Mariana Islands, Palau, and Federated States of Micronesia in sustainable pasture and livestock management in tropical systems.	1	298,381
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Agribusiness Education, Training and Incubation Program (AETI)	The University of Hawaii's Agribusiness, Education, Training and Incubation (AETI) Project is intended to: (1) expand local agricultural and food production through more productive agribusiness; and (2) develop the local agricultural and food production workforce through education and training.	1	1,528,746
AGRICULTURE, DEPT, FOREST SVC-FED	Kenneth Kaneshiro	Pacific Biosciences Research Center	Sustain Hawaii Conservation Alliance	Sustain the Hawaii Conservation Alliance by organizing the Hawaii Conservation Conference; organizing workshops utilizing Hawaii's available research resources and publishing results; and developing efficient communication of relevant research findings to the manager's of Hawaii's natural resources.	1	20,000

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 NATIVE AMER	April Ruth Housman	Ka Haka'Ula O Ke'Elilikalani-UHH	Ka Olelo OIwi Y3: Hawaiian Oral Language Development Project	Develop the oral language abilities of Hawaiian Language Immersion Program (HLIP) grades K-6 at 15 schools on 5 islands.	1	305,616

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Frank Floyd	Psychology (UH Manoa)	Clinical Psychology Internship University of Hawaii	This training program is a collaboration of the doctoral program in Clinical Psychology at the University of Hawaii, Manoa and two local APA accredited pre-doctoral internship programs in Clinical Psychology, I Ola Lāhui Rural Hawaii Behavioral Health and the VA Pacific Islands Health System. The purpose is to increase the number of scientist-practitioner clinical psychologists committed to working with underserved, rural, ethnically diverse groups, who provide culturally-competent, evidence-based psychological services in an interdisciplinary team context.	1	331,201
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Ulua'i Laona - Helping Babies Hear	This project will improve, enhance, and expand the universal newborn hearing screening program to meet the 1-3-6 goals and reduce loss to follow-up at each of the stages. It will expand hearing screening to preschool populations and assist with the implementation of universal newborn metabolic screening.	1	279,000
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii State Loan Repayment Program (HSLRP)	The purpose of the Hawaii State Loan Repayment (HSLRP) is to improve access to health care in underserved communities of Hawaii by increasing the number of primary care providers working in Health Professions Shortage Areas (HPSA). The HSLRP will provide incentive to at least 8 healthcare providers in HPSAs in Hawaii by providing \$40,000 a year in loan repayment for 2 years for 3 students in year 1 and 8 students in year 2.	1	76,500
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Sven-Erik Bursell	Social Science Research Institute	Pacific Basin Telehealth Resouce Center	Seeks to develop a resource center to assist healthcare organizations, health care networks, and health care providers in implementing cost-effective telehealth programs serving rural and medically under-served areas and populations	1	324,984

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Sven-Erik Bursell	Social Science Research Institute	Pacific Basin Telehealth Resource Center	Seeks to develop a resource center to assist healthcare organizations, health care networks, and health care providers in implementing cost-effective telehealth programs serving rural and medically under-served areas and populations	1	6,502
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL INST MIN HLTH & DISP	Marjorie Mau	Department of Native Hawaiian Health	Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples		1	1,331,273

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT- ECONOMIC DEV ADM-FED	John Morton	Office of the Vice President for Community Colleges	UH-PBCP EDA University Center 2012-2017	The PBCP's scope of work will cover a five-year period, and will cover the three areas of: providing technical assistance, conducting research, and disseminating information about and the results of the PBCP's economic development activities, with the over goal of economic diversification and the creation of higher-paying, higher-skilled jobs in broad cluster industries in the State of Hawaii, and the development of a private sector economy in the AAPI.	1	182,847
COMMERCE, DEPT-NATL NOAA-FED NATL OCEAN SVC	Cheryl Anderson	Social Science Research Institute	Pacific Regional Ocean Partnership (PROP2) Development and Governance Support: Building Capacity		1	225,000

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-AIR FORCE OFC OF SCI RSCH	Lisa Hunter	Institute for Astronomy	Akamai Internship Program	The Akamai Internship Program will train and advance local students for science and technology careers, through a new electro-optics curriculum, internships, and professional development of faculty members and graduate students.	1	50,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Fiber Connectivity to VLBA on Mauna Kea	Provide fiber connectivity to VLBA facility on Mauna Kea.	1	42,782

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	Hawaii Conservation Alliance Support for Conservation Training and Meetings to Support Recovery of Native Hawaiian Plants and Animals	This agreement is being implemented in order to support the activities of the Hawaii Conservation Alliance. The objective is to support the HCA in its efforts to promote the knowledge and understanding of critical conservation issues in Hawaii. This project will benefit the public by further enabling the Service's efforts to promote the knowledge and understanding of critical conservation issues in Hawaii and conserve, enhance and protect endangered species and native fish, wildlife and plant species and their habitats.	1	18,000

ED-Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Alvin Tagomori	Chancellor, UH Maui College	Maui Community College Student Support Services Program	The purpose of the Student Support Services Program will be to increase the college program retention, completion, graduation, and transfer rates in low-income, first generation, and disabled SSSP participants. The program will provide comprehensive support services for 160 students.	1	246,485
EDUCATION, DEPT-FED	Alvin Tagomori	Chancellor, UH Maui College	Maui County Educational Opportunity Center	Provide college access services-career exploration, college and financial aid information and application assistance to predominantly low-income, first generation Maui County residents.	1	426,991

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Ardis Eschenberg	Chancellor, Windward Community College	Strengthening Student and Institutional Engagement through Hawaiian Studies Curriculum Expansion and Implementation	Strengthening Student and Institutional Engagement through Hawaiian Studies Curriculum Expansion and Implementation. Activity addresses competitive preference priorities to increase post-secondary success, enable data-based decision-making, and improve productivity.	1	809,799
EDUCATION, DEPT-FED	Clyde M. Sakamoto	Chancellor, UH Maui College	Liko Ae IV Native Hawaiian Leadership	The Liko Ae Native Hawaiian Scholarship Program has a two-fold mission: To support Native Hawaiian students entry into and completion of a program of higher education, and to sustain the cycle of improvement among Native Hawaiians through education. This proposal seeks to expand the strategies and innovations Liko Ae has found effective since its first project and to compliment them with broader and earlier community support, outreach, and replication capabilities.	1	1,540,784
EDUCATION, DEPT-FED	Donald B Young	Curriculum Research and Development Group	Improving Teacher Quality Grants - SAHEs	ESEA grants are block grants to states. The current allocation is for higher education support for improving teacher quality.	1	89,731
EDUCATION, DEPT-FED	Donald Straney	Chancellor, UH Hilo	Hookahua: Creating a Strong Foundation for Student Success	UH Hilo proposes the Center for Applied Learning to increase student engagement through place-based learning. We will create a database to allow programs to enter and mine data through one portal, creating a cadre of professionals who will share strategies on mentoring Native Hawaiian students through post-secondary education.	1	1,606,431
EDUCATION, DEPT-FED	Helen Cox	Chancellor, Kauai Community College	Title III: Native Hawaiian-Serving Institutions, Higher Education_Institutional Aid	The overall intent of this project is to increase Native Hawaiian student success in transitioning through the academic system in all disciplines, and to target new approaches for STEM students. KCC will build on the Wai'ale'ale Program that has proven successful in helping high-risk Native Hawaiian students to enroll in college, transition through the KCC system, and succeed in course work.	1	412,882

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	James Mellon	Vice Chancellor for Student Affairs	Navigating the Success of Pacific Islanders	The project aims to facilitate and improve the success of Pacific Islanders through two major activities: 1) Developing and implementing a comprehensive, culturally informed student support program designed to strengthen student learning, engagement, and success, and 2) Conducting and disseminating research into best practices for facilitating their success	1	72,385
EDUCATION, DEPT-FED	Jamie Kamehameha Boyd	Chancellor, Windward Community College	Windward Community College CNA to LPN to RN Pathway to Nursing	Windward Community College will expand its Pathway Out of Poverty program, developed in 2007 to support disadvantaged Native Hawaiian students from Nurse Aide to Licensed Practical Nurse to Registered Nurse. The curriculum emphasizes Native Hawaiian traditions and language, fosters cultural pride, and promotes healthy-living behaviors, while improving college enrollment rates, income-earning capacity, and long-term socioeconomic stability of high-need students, young adults, and their families.	1	173,475
EDUCATION, DEPT-FED	Joseph Robert Mobley, Jr.	Chancellor, UH West Oahu	Holomua: Gear-Up Partnership	The project will serve a cohort of students beginning in seventh grade and follow them through their first year in postsecondary education. The schools served are Nanokuli High School and Intermediate with grades 7-12; Waianae Intermediate with grades 7-8 and Waianae High School with grades 9-12. A total of 497 students will be served. UHWO and NWCA will be joined by partners Kamehameha Schools and American savings to create a continuum of support and services that will result in improved outcomes for NWCA students.	1	365,891
EDUCATION, DEPT-FED	Kay Fukuda	Student Equity Excel & Diversity	PALS (Program for Afterschool Literacy Support) 2012-2015		1	1,126,185
EDUCATION, DEPT-FED	Kelly Drew Roberts	Center on Disability Studies/University Affiliated Pgms	Hawaii Project for Children and Young Adults who are Deaf-Blind	Provide Technical Assistance and Training to service providers, families, and youth in the state of Hawaii - associated with Deaf-Blindness.	1	77,491

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Kelly Drew Roberts	Center on Disability Studies/University Affiliated Pgms	Pacific Project for Children and Young Adults Who are Deaf-blind	Provide Technical Assistance and Training to service providers, families, and youth throughout the Pacific Jurisdictions - associated with Deaf-Blindness.	1	92,000
EDUCATION, DEPT-FED	Kiriko Takahashi	Center on Disability Studies/University Affiliated Pgms	Ka Pilina: Achieving & Improving Mathematics Outcomes by Bringing Secondary & College Students Together to Reach Postsec Education (AIM Together)	attached in package	1	526,475
EDUCATION, DEPT-FED	Leonard D. Woods	Vice Chancellor for Student Affairs	Student Support Services Program	Provide assistance to students to ensure success in attaining degrees at institutions of higher education	1	291,974
EDUCATION, DEPT-FED	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	2012-13 College Access Challenge Grant Program - Hawaii	The goal of CACG is to encourage and help more low-income students in Hawaii to prepare and enroll in postsecondary education. Working closely with HIDOE, UH and community partners, CACG activities focus on developing students' key cognitive strategies and college knowledge through academic enrichment programs, financial aid and college applications workshops, and the college access web portal.	1	1,500,000
EDUCATION, DEPT-FED	Maile Suzanne Goo	Student Equity Excel & Diversity	University of Hawaii McNair Student Achievement Program	The University of Hawaii at Manoa submits a new Ronald E. McNair Postbaccalaureate Achievement Program proposal to address the graduate degree attainment of first generation, low income students, and underrepresented groups. This undertaking is designed to strengthen student preparation for graduate school admission.	1	220,000
EDUCATION, DEPT-FED	Melven Yoshimoto	Undergraduate Education	Student Support Services Program (UHM)	Provide academic and other support services to eligible (based on income and 1st generation college student) students enrolled at UHM to increase their retention and graduation. Foster a positive campus climate supportive of these students.	1	382,529

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Michael Pecsok	Chancellor, Leeward Community College	"Ka Ni' o" (Title III 2012-14): Helping Native Hawaiian Students Achieve Academic & Cultural Excellence	PROPOSED PROJECT TITLE AND GOALS Leeward CC is requesting \$1999769 to implement and evaluate project Ku i ka Niio: Helping Native Hawaiian Students Achieve Academic & Cultural Excellence. Specific project goals are 1) to increase the number of Native Hawaiian students who enroll in a STEM related degree program and 2) to impact student success in STEM courses.	1	510,505
EDUCATION, DEPT-FED	Nora Furuno	Chancellor, Kapiolani Community College	TRIO Student Support Services	Provide services to low income, first generation and/or students with disabilities to persist, remain in good academic standing, graduate and graduate and transfer to a four year educational institution.	1	322,351
EDUCATION, DEPT-FED	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	Hawaii Transition/Dual Enrollment with Individualized Supports Model for Students with Intellectual Disabilities	A demonstration model project for students with intellectual disabilities which provides individualized supports and services for academic and social inclusion in all aspects of postsecondary education, including opportunities for academic enrichment, socialization, independent living and work skills that lead to gainful work.	1	381,820
EDUCATION, DEPT-FED	Roy Inouye	Chancellor, Windward Community College	Student Support Services Program	Provide counseling, academic advising, tutoring, supplemental grant aid, study skills workshops, computer lab, cultural activities, and other services to disadvantaged college students (low-income, first generation, and/or disabled individuals as defined by U.S. Department of Education).	1	369,027
EDUCATION, DEPT-FED	Shirley Daniel	Shidler College of Business	CIBER 2010-14: Promoting US Competitiveness through Enhanced Collaboration, Communication, and Trade in the Asia Pacific Region	Promoting US Competitiveness through Enhanced Collaboration, Communication, and Trade in the Asia Pacific region.	1	177,029
EDUCATION, DEPT-FED	Stephen Dennis O'Harrow	School of Pacific and Asian Studies	Hawaii-Chicago Teachers Project	This project will take twelve Chicago Public School k-12 teacher to Southeast Asia for an educational tour	1	106,818
EDUCATION, DEPT-FED	Susan S Nishida	Vice Chancellor for Academic Affairs	Kukulu Ma Ke Kahua: Building on our Foundation	Kūkulu ma ke kahua: Building on the Foundation	1	1,409,005

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Weol Soon Kim-Rupnow	Center on Disability Studies/University Affiliated Pgms	New Beginnings for ELL: Innovation through Technology for English Literacy and Academic Success	The purpose of this proposed 5-year project is to develop, provide, and evaluate high-quality professional development (PD) activities that will result in improved academic achievement with enhanced English skills and motivation of English Language Learner (ELL) students.	1	358,991

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENVIRONMENTAL PROTECTION AGENCY	Paul Jokiel	Hawaii Institute of Marine Biology (HIMB)	Ecoinformatics to Evaluate the Environmental Health and Management of Coral Reef Ecosystems	This EPA STAR Fellowship supports any associated tuition, fees, supplies, travel, or miscellaneous expenses for Erik Franklin's doctoral research on coral reef ecoinformatics.	1	8,150
LABOR, DEPT- EMPLOYMENT TRNG ADM-FED	Clyde M. Sakamoto	Chancellor, UH Maui College	Rural Hawaii Workforce Development Program	In this Round 2 proposal, the Rural Hawaii CCs propose leveraging existing efforts more fully to the neighbor islands of Hawaii, Kauai., Maui, Molokai and Lanai, as well as addressing unique workforce needs that were not addressed under the sector-specific strategy presented in Round 1. Extending funding for additional sectors to the rural campuses in the system leverages the materials, expertise, and lessons learned from Round 1 recipients and develops these resources now, when needed most.	1	12,665,892

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PEACE CORPS	Atina Pascua	Service Learning	Peace Corps Recruiter	Executive Summary Ever since President Kennedy signed the executive order establishing Peace Corps in 1961, the people of Hawaii have answered resoundingly to his call to service. Beginning in 1962, the island of Hawaii generously hosted more than 12,000 Peace Corps trainees who were preparing for their Volunteer service in nations throughout Asia and the Pacific. Those remarkable trainees received much support from the people and organizations of the big island of Hawaii and this support was instrumental to their later success as Volunteers. Hawaii continues to contribute to the success of the Peace Corps with more than 1,300 men and women from Hawaii that have served as Peace Corps Volunteers. This includes 34 who are currently serving in countries around the world. The University of Hawaii at Manoa, a minority serving institution has employed a Peace Corps representative to help recruit the next generation of Volunteers from Hawaii at its campus for many years. The University of Hawaii at Manoa serves as the flagship campus for the 10 campus State higher education system. We have provided recruitment services to all 13 of the public and private universities in Hawaii. Hawaii is home to a large vibrant group of returned Peace Corps Volunteers who remain dedicated to service and their community. This past year we interviewed 30 potential PC candidates.	1	16,639
VETERANS AFFAIRS, DEPT-SALEM VA MED CTR	Bartley Frueh	Psychology (UH Hilo)	IPA Mobility Program	Work with the Principal Investigator and fellow co-investigators to study and meet the objectives of this research project. Also, provide expertise and consultation in all clinical aspects of study design and implementation. As well as assisting with data analysis and presentation, progress reports and grant and article publications.	1	22,276

Foreign

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICAN SAMOA, GOVERNMENT	Neal Palafox	Department of Family Medicine and Community Health	Regional Comprehensive Cancer Control Program (American Samoa Govt subcontract)	Continues implementation of the Pacific Regional CCC program; provides coordinated regional technical assistance in evaluation; coordinates CCPI meetings; maintains regional pacificcancer.org website; serves as Secretariat for the CCPI	1	37,000
American Samoa, Government- Department of Education	Kelly Drew Roberts	Center on Disability Studies/University Affiliated Pgms	Teacher Training for Special Education Teachers to Obtain B.Ed. in Elementary Education with a Certification in Special Education	Please see attached contract docs in "proposal attachments"	1	222,530

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
BISHOP MUSEUM	Pauline W. Chinn	Department of Curriculum Studies	Project Lailima: Working Together to Develop Middle School Hawaiian STEM Curricula	Project Lailima establishes an 11-month graduate research assistant GRA 7 for an Med student who will report to PI Chinn and work with teachers to develop, teach, and evaluate lessons relevant to Bishop Museum NHEP project All Together Now.	1	23,613
GARDEN ISLE RESRCE CONSERV & DEVELOPMENT, INC.	David Duffy	Department of Botany	Kauai Invasive Species Committee Coqui Frog Eradication	Eradicate coqui frogs from the island of Kauai	1	22,500
James Pflueger	Michael Kido	Pacific Biosciences Research Center	Habitat Improvement for Native Aquatic Species Channel Restoration of Gulch 3, Pilaa Stream, Kauai	To remove alien aquatic species from the restored segment, a 4-person team will systematically electrofish habitat using a Smith-Root LR-24 Backpack Electrofisher and fiberglass electrode pole. A Final Report summarizing Project activities to include a Species List of fish and macroinvertebrates captured will be provided within 60 days of the completion of fieldwork activities.	1	21,420
KAMEHAMEHA SCHOOLS	Sharon Ziegler	Vice Chancellor for Research	Kamehameha Schools support for PIPES 2012 - 2016	4-year agreement to provide UHH PIPES support from Kamehameha Schools for internship programs	1	82,000

Hawaii- Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Terry Ann F	Curriculum Research	Meta-Analysis of 2010-11 Data	The contractor will summarize data from	1	30,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
	Higa Tabije	and Development Group	Submitted to the 21st Century Community Learning Center Program	2012-13 21st CCLC subgrantee reports and other documents. The data will be the basis of a logic model. Recommendations for program improvement will be provided to sponsor.		

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAIIAN AFFAIRS, OFFICE OF	Carlos Lawrence Andrade	Kamakakuokalani Center for Hawaiian Studies	Hwst 301 Malama Aina Field Course	<p>Field School Summary</p> <p>Through readings, lectures, discussions, informal meetings, and in the field interaction with community non-profit, state agencies and conservation experts students will have the opportunity to do actual work in the care of the storied &#699;&#257;ina of H&#257;&#699;ena, Kauai. Students will learn first-hand about grass roots community engagement with Native Hawaiians living and working in their &#699;&#257;ina h&#257;nau to perpetuate their continuing genealogical connection to the land. Students will meet and interact with professionals in resource management and conservation. They will learn fundamentals about how the State Department of Land and Natural Resources system operates in their efforts to care for State lands. Students will get first hand experience with m&#257;lama &#699;&#257;ina advocates to develop a sense of how m&#257;lama &#699;&#257;ina initiatives work on the ground, in communities, in Hawai&#699;i.</p> <p>Program Goals</p> <p>Expose students to research skills, critical analysis and resource management strategies informed by both Hawaiian and Scientific methods and practices.</p> <p>Gain real world experience with contemporary technology through practice in the field.</p> <p>Through shared experience and work agenda, assist a community group in working towards their goals.</p>	1	1,500

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				<p>Build relationships with and respect for both community and professional knowledge and expertise. Develop culminating student experiences that benefit the broader community.</p> <p>Student Learning Objectives 1. Document and map the project area to include important natural resources, cultural assets, historical significance and social dynamics. 2. Employ GIS/GPS technology and other mapping strategies to produce place based information and maps. 3. Identify, explain and critique Federal, State, and County land use concerns, constraints, and jurisdictions related to the project site. 4. Be able to articulate community concerns, goals, and aspirations for the projec</p>		
HAWAIIAN AFFAIRS, OFFICE OF	Dana Kapuaala Sproat	William S. Richardson School of Law	A'o Aku A'o Mai	This program will address Office of Hawaiian Affairs (OHA) strategic priority of Aina.	1	125,000
HAWAIIAN AFFAIRS, OFFICE OF	Kristine Korey-Smith	Continuing and Community Education	OHA Student Financial Support	Award of 25,000 to provide workforce training to native hawaiian Students	1	25,000
HAWAIIAN AFFAIRS, OFFICE OF	Lui Hokoana	Office of the VP for Student Affairs and Univ/Comm Relations	Financial Support for University of Hawaii Doctoral Students		1	100,000
HAWAIIAN AFFAIRS, OFFICE OF	Lui Hokoana	Office of the VP for Student Affairs and Univ/Comm Relations	TRIO College Entrance Test Prep - OHA	Cover letter	1	10,000
HAWAIIAN AFFAIRS, OFFICE OF	Melody Kapilialoha MacKenzie	William S. Richardson School of Law	OHA's Authorization to Access Images of Historic Documents	The Ka Huli Ao Digital Archives seeks to partner with OHA and the Papakilo Database project to share data acquired for our respective digital repository.	1	20,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAIIAN AFFAIRS, OFFICE OF	Ronny T Umehira	Chancellor, Leeward Community College	OHA Native Hawaiian Workforce Development Training	Leeward Community Colleges OCEWD office shall provide employment specific workforce development training to eligible participants. Services shall include pre-screening and enrollment assistance. Coursework shall include career research, math / reading remediation, and work readiness training. Workforce training offerings shall include but not be limited to the following sectors: Health, Health Information Technology, Sustainability, Industry, Trades, Business, Computers and Transportation. Program completers will receive assistance in job placement services. Sponsor funds shall be directed to student tuition offsets.	1	25,000
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	2,000
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	123,508
HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Lawrence Burgess	John A. Burns School of Medicine	Community Health Engagement Process Training	Training shall occur at three sites in the state: Kahuku, (Oahu), Kula (Maui) and Honakaa (Hawaii). The training will be in the Rural Health Works Community Engagement Process.	1	44,700
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Koloa Recovery Information, Education, and Outreach	Conduct outreach to educate public on the necessity of removing mallard and mallard hybrid ducks for the protection of native Koloa Maoli ducks on Kauai.	1	55,000
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Biological Assistance for Oahu Wildlife Sanctuaries	This project focuses on managing State Wildlife Sanctuaries in wetlands on Oahu: Pouhala, Hamakua, Kawainui Marsh and Paiko Lagoon. The main focus is to implement wetland management techniques utilized by DOFAW to restore, enhance, protect and maintain these wetland ecosystems.	1	60,000

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Kure Atoll (Moku Papapa) Ecological Research Field Station Project	The objective of the Kure Atoll Ecological Research Field Station Project is to design and implement a comprehensive wildlife habitat restoration and natural resources education program that supports management actions needed to protect and maintain native wildlife resources and ecosystem function at Kure Atoll State Seabird Sanctuary.	1	71,550
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Big Island Trail and Access Program	Provide technical assistance in the management of operations, maintenance and regulation of Big Island's island-wide Trail and Access system; assist with field reconnaissance and inspections of various trails for invasive species and native/non-native species, roads and accesses; and other attendant activities including posting of signage, construction and installation of interpretive displays, trail shelters, sanitary facilities, etc.	1	84,325

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KAPIOLANI MED CTR FOR WOMEN & CHILDREN	Iris Fumiko Kimura	Department of Kinesiology and Rehabilitation Science	University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program--Kapiolani Medical Center for Women & Children	Advanced education and research internship experience, a board of certification athletic trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.	1	55,127
KAPIOLANI MEDICAL SPECIALIST	Naleen Andrade	Department of Psychiatry	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-KMS-PSYCH	Agreement to provide medical education to students and residents in a clinical setting. Per Pomai, "Our office will upload the sponsor signed contract proposal for Dean and UH-ORS signatures."	1	185,931
QUEEN EMMA CLINICS	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-QEC-MED	Agreement to provide medical education to students and residents in a clinical setting.	1	57,771
QUEEN'S HOSPITAL MEDICAL CENTER	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2013 - Agreement No. SF13-QMC-MED	Agreement to provide medical education to students & residents in a clinical setting.	1	5,868

Hawaii- Non-Profit Organizations

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Aloha Care	Cullen T Hayashida	Continuing Education / Non-Credit Program	Kupuna Education Center	This continuation award funds the Kupuna Education Project at Kapiolani CC for its Family Caregiver Training and Paraprofessional Training programs. More info at - http://www.kupunaeducation.com/	1	10,000
GENERAL CONTRACTORS ASSOC HI EDUCATIONAL FOUNDATION	Clark E Llewellyn	School of Architecture	Construction Management Program	The general contractors association provides funding for 1 FTE faculty to teach the schools construction management courses.	1	126,174
KAUAI ECONOMIC DEVELOPMENT BOARD	Helen Cox	Chancellor, Kauai Community College	Procurement of PV for Aquaponics on Campus	Procurement of PV for the on campus Aquaponics unit for research and development	1	30,000
PAC5	Iris Fumiko Kimura	Department of Kinesiology and Rehabilitation Science	University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program--PAC5	Advanced education and research internship experience, a board of certification athletic trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice	1	97,694
Saint Francis School	Iris Fumiko Kimura	Department of Kinesiology and Rehabilitation Science	University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program-- Saint Francis School	Advanced education and research internship experience, a board of certification athletic trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice	1	97,694
UNIVERSITY HAWAII FOUNDATION	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Monsanto Fellowship Awards	Funding transferred from UH Foundation to ORS will be used for graduate student fellowships and research support	1	45,000
UNIVERSITY HAWAII FOUNDATION	Donald Price	Biology (UH Hilo)	Hau'oli Mau Loa Foundation Graduate Fellowship Opportunity Tropical Conservation Biology and Environmental Science		1	78,300
UNIVERSITY HAWAII FOUNDATION	Maxine Burkett	Sea Grant College Program	Climate Change Adaptation Web-based Outreach	Funding will support the ICAP Director of Strategic Partnerships, Malia Nobrega, to design and implement the project and the ICAP Director of Operations, Leslie Ricketts, to provide project management assistance.	1	915

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Thomas Katsuyoshi	Facilities Management	Women's Locker Room and Nagatani Academic Center Expansion and Refurbishment (UHM 09-303)	Agreement 120-7850-4 reflects private contribution for the design and construction of the University of Hawaii at Manoa Women's Locker Room and Nagatani Academic Center Expansion and Refurbishment.	1	250,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL GEOGRAPHIC SOCIETY	Jeffrey Moniz	Institute for Teacher Education	Hawaii Geographic Alliance 2012-2013	Hawaii Geographic Alliance	1	44,405
SPACE TELESCOPE SCIENCE INSTITUTE	Karen Meech	Institute for Astronomy	A Multifaceted Study of Icy Bodies in the Inner Solar System	Hubble Postdoctoral Fellowship - Henry Hsieh: "A Multifaceted study of Icy Bodies in the Inner Solar System".	1	106,344

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
American Bird Conservancy	David Duffy	Department of Botany	Constructing a Predator-Proof Fence at Kilauea Point National Wildlife Refuge, Hawaii	Build a predator proof fence and remove invasive mammals from native seabird habitat in Kilauea Point National Wildlife Refuge on Kauai.	1	32,905

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JOHNSON (ROBERT WOOD) FOUNDATION	Debra Mark	Department of Nursing	Hawaii's Statewide Plan to Ensure Academic Progression in Nursing	To meet the ever-changing demands of our healthcare system and the increasing complexity of healthcare delivery, the Institute of Medicine's (IOM) hallmark report, The Future of Nursing: Leading Change, Advancing Health (2010) recommends that 80 percent of registered nurse workforce be prepared with a baccalaureate (BS) degree or higher. The co-leaders of the Hawaii Nurse Action Coalition (HNAC), the Hawaii State Center for Nursing (Center) and the Hawaii Medical Services Association, serve as a catalyst and are poised to fulfill this recommendation by capitalizing on the collaborative spirit that already exists among Hawaii's schools of nursing, employers and consumers, policy makers, payers, and legislators. In this proposal, the HNAC will delineate a robust statewide plan to increase the percentage of baccalaureate-prepared nurses from 60 to 80 percent statewide by 2020 using a shared statewide competency-based curriculum. A collaborative, statewide commitment by educators, healthcare employers, legislators, and community stakeholders is necessary to achieve this goal and the action steps are as following: (1) Private and public academic institutions will collaborate to further develop, implement, and evaluate the expansion of a shared statewide baccalaureate curriculum;...	1	300,000

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Scott Rowland	Department of Geology and Geophysics	Eleventh NASA Volcanology Field Workshop: Analogs to Volcanic and Volcano-Sedimentary Features in Satellite and Rover Images	Organize and run a volcanology field workshop for graduate students and post-docs who are currently studying volcanoes on other planets and the Moon. The workshop will take place on Hawaii island.	1	80,700

National Science Foundation

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Aaron T Ohta	Electrical Engineering	Collaborative Research: A Systems-Centric Foundation for Electrical and Computer Engineering Education	Develop curricular materials for foundational electrical engineering course.	1	50,000
NATIONAL SCIENCE FOUNDATION	Clyde M. Sakamoto	Chancellor, UH Maui College	Akeakamai I Ka La Hiki Ola: Scientific Exploration Beneath The Life-Bringing Sun (NSF ATST Mitigation Plan)	UHMC and its collaborators are committed to uncovering the paths to elevate Native Hawaiians to STEM careers and leadership roles through opportunities provided by the ATST.	1	2,000,000
NATIONAL SCIENCE FOUNDATION	Daniel Brown	Vice Chancellor for Research	Graduate Research Fellowship Program	Support for a graduate student at UH Hilo in their research endeavors	2	66,000
NATIONAL SCIENCE FOUNDATION	Guenther Hasinger	Institute for Astronomy	Pan-STARRS 1: Operations; Public Data Release; Education and Outreach	To fully exploit the scientific potential of the PS1 survey data we are committed to make the PS1 data public and accessible as soon as possible. The goals of this proposal are: 1. Finish the last four months of PS1 Operations. 2. Re-reduce the entire PS1 data set. 3. Enable a PS1 Data Products Archive at STScI. 4. Collaborate on infrastructure to enable the community to use the PS1 Data.	1	1,366,907
NATIONAL SCIENCE FOUNDATION	Leon Richards	Chancellor, Kapiolani Community College	TCUP Ecological Ahupuaa Monitoring in Urban Polynesia (TEAM-UP)	To establish a Native Hawaiian student support system modeled after an ahupuaa to increase the number of Native Hawaiian graduates in Life Sciences, ASNS degrees, and to prepare students for transfer to the University of Hawaii at Manoa or Hilo.	1	899,984

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Mehana Blaich	Natural Resources and Environmental Mgt	Hoahu, To Set Aside for the Future: Understanding Sustainability of Community Based Natural Resource Management through a Century of Change	<p>Description of NSF SEES (Science Engineering and Education for Sustainability) Post-Doctoral Fellowship Program:</p> <p>The program's emphasis is to facilitate investigations that cross traditional disciplinary boundaries and address issues of sustainability through a systems approach, building bridges between academic inquiry, economic growth, and societal needs. The Fellow's proposed investigation should be interdisciplinary and allow him/her to obtain research experience beyond his/her current core disciplinary expertise. Additionally, Fellows are required to develop a research partnership that would broaden the impact and/or scope of the proposed research activities. Fellows are also expected to devote some time to a professional development activity such as, but not limited to, broadening participation of under-represented groups in sustainability science, an education activity, or a project that focuses on public engagement. Fellows may also include a plan for leading and teaching a course at the undergraduate or graduate level, provided it is supported financially by the institution where the teaching would take place. The teaching is limited to no more than one course per semester, and no more than two courses throughout the period of the award.</p> <p>Overview of My Proposal: The overarching goal of this study is to contribute to knowledge of the adaptability of community-based systems in relation to natural resources through investigation of an indigenous social-ecological system, and how it continues to operate in a contemporary setting. This study examine the relationship between the people living in one bounded, rural area, and ahupuaa level natural resources which have fed local families for generations. In particular, it is a study of peoples knowledge, practices, beliefs, rights,</p>	1	317,266

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				and responsibilities in relationship to these natural resources and how these have changed under different systems of land tenureshifting from communal, to plantation agriculture all		
NATIONAL SCIENCE FOUNDATION	Murli Manghnani	Hawaii Institute of Geophysics and Planetology (HIGP)	Acquisition and Upgrading of Equipment for High Pressure-Temperature Research in Mineral Physics	Upgrading High Pressure laboratory for high pressure-temperature mineral physics in spectroscopy and ultrasonic measurements.	1	85,300

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Anne Alvarez	Plant and Environmental Protection Sciences	Western Regional Center in the National Plant Diagnostic Network	The WPDN is comprised of plant pest and pathogen detection specialists in the ten-state western region of the United States including U.S. territories in the Pacific. States and territories are represented by plant pathologists, entomologists, and weed specialists at their respective land grant universities (LGU's) and/or state departments of agriculture (SDA). The WPDN also works closely with specialists in the allied disciplines of plant pathology, entomology and weed science associated with other state and federal agencies. As the region covered by WPDN is perhaps the most diverse in the nation with respect to climate and agricultural, nursery and forest production systems, a network structure was created that is comprised of three sub-regional expert/sentinel laboratories working together when necessary with the various triage laboratories at LGU's and state departments in the individual states and territories. The three expert laboratories-- California Department of Food and Agriculture (CDFA, Sacramento, also serves as WPDN Regional Center lab), Oregon State University (Corvallis), and University of Hawaii/Hawaii Department of Agriculture (Honolulu)--are supported so that they have capabilities to handle most or all types of samples and can conduct collaborative diagnostics with other member laboratories.	1	40,053

Gift, Grants, and Contracts for Sep 1, 2012 to Sep 30, 2012

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Michael Kawate	Plant and Environmental Protection Sciences	Western Integrated Pest Management Center Regional Comments Coordinator for the American-affiliated Pacific Islands	Implement pest management center.	1	17,500
CALIFORNIA INST OF TECHNOLOGY	Jonathan Williams	Institute for Astronomy	Witnessing Planet Formation in Circumstellar Transition Disks - Sagan Postdoctoral Fellowship - L. Cieza	We are now on the verge of being able to observe ongoing planet formation in primordial circumstellar disks. One of the main goals is to identify systems with strong evidence of ongoing planet formation in several nearby star-forming regions with Keck, the SMA, ALMA and Herschel	1	115,481
WASHINGTON, UNIVERSITY OF	Vivek Nerurkar	Department of Tropical Medicine, Medical Micro and Pharm	Northern/Pacific Universities Global Health Research Training Consortium	This proposal is to establish the Northern/Pacific Universities Global Health Research Training Consortium -a Global Health Program for Fellows and Scholars. The goal is to provide outstanding mentored research training to post-doc and doctoral students.	1	16,200
Non-Research - Total					98	39,296,990
Overall - Total					212	62,307,521

Funds Received from UH Foundation for Sep 1, 2012 to Sep 30, 2012

Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Maxine Burkett	Sea Grant College Program	Climate Change Adaptation Web-based Outreach	Funding will support the ICAP Director of Strategic Partnerships, Malia Nobrega, to design and implement the project and the ICAP Director of Operations, Leslie Ricketts, to provide project management assistance.	1	915
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Donald Price	Biology (UH Hilo)	Hau'oli Mau Loa Foundation Graduate Fellowship Opportunity Tropical Conservation Biology and Environmental Science		1	78,300
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Monsanto Fellowship Awards	Funding transferred from UH Foundation to ORS will be used for graduate student fellowships and research support	1	45,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Thomas Katsuyoshi	Facilities Management	Women's Locker Room and Nagatani Academic Center Expansion and Refurbishment (UHM 09-303)	Agreement 120-7850-4 reflects private contribution for the design and construction of the University of Hawaii at Manoa Women's Locker Room and Nagatani Academic Center Expansion and Refurbishment.	1	250,000

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Alan Friedland	Department of Zoology	An Assessment of Effects of Gillnets	In order to determine the effectiveness of gillnet regulations on fish stocks, nearshore surf zone fishes on windward Oahu are being sampled using beach seines in a before-after-control-impact design. In addition, fishing effort is being monitored to examine fishing patterns and practices along windward Oahu.	1	100,000
Overall - Total						5	474,215

**Extramural Research Awards for the Month
Sep 1, 2012 to Sep 30, 2012
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	12	719,172	3%
DHHS-Dept of Health and Human Services	14	8,735,394	38%
DOC-Dept of Commerce	6	1,785,416	8%
DOD-Department of Defense	12	4,192,723	18%
DOE-Dept of Energy	1	185,634	1%
DOI-Dept of Interior	10	459,581	2%
Foreign	2	80,000	0%
Hawaii- Business and Other	2	77,013	0%
Hawaii- Government Agencies	11	1,107,979	5%
Hawaii- Health Organizations	2	287,294	1%
Hawaii- Non-Profit Organizations	4	302,261	1%
Mainland- Business and Other	8	989,966	4%
Mainland- Health Organizations	1	224,389	1%
Mainland- Non-Profit Organizations	2	19,173	0%
National Aeronautics and Space Administration	6	560,209	2%
National Science Foundation	9	2,447,097	11%
US Colleges and Universities	12	837,230	4%
Overall - Total	114	23,010,531	100%

**Extramural Non-Research Awards for the Month of
Sep 1, 2012 to Sep 30, 2012
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	5	2,047,109	5%
DHHS-Dept of Health and Human Services	7	2,655,076	7%
DOC-Dept of Commerce	2	407,847	1%
DOD-Department of Defense	2	92,782	0%
DOI-Dept of Interior	1	18,000	0%
ED-Dept of Education	26	13,597,054	35%
Federal Agencies	4	12,712,957	32%
Foreign	2	259,530	1%
Hawaii- Business and Other	4	149,533	0%
Hawaii- Dept of Education	1	30,000	0%
Hawaii- Government Agencies	14	747,583	2%
Hawaii- Health Organizations	4	304,697	1%
Hawaii- Non-Profit Organizations	9	735,777	2%
Mainland- Business and Other	2	150,749	0%
Mainland- Non-Profit Organizations	2	332,905	1%
National Aeronautics and Space Administration	1	80,700	0%
National Science Foundation	8	4,785,457	12%
US Colleges and Universities	4	189,234	0%
Overall - Total	98	39,296,990	100%

**Year to Date Extramural Research Awards
Jul 1, 2012 to Sep 30, 2012
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	17	1,755,872	2%
DHHS-Dept of Health and Human Services	39	28,470,151	35%
DOC-Dept of Commerce	34	11,993,032	15%
DOD-Department of Defense	18	5,362,972	7%
DOE-Dept of Energy	3	394,303	0%
DOI-Dept of Interior	28	3,010,023	4%
ED-Dept of Education	4	1,348,081	2%
Federal Agencies	1	113,955	0%
Foreign	6	583,144	1%
Hawaii- Business and Other	10	698,610	1%
Hawaii- Government Agencies	31	7,820,920	10%
Hawaii- Health Organizations	2	287,294	0%
Hawaii- Non-Profit Organizations	19	1,165,350	1%
Mainland- Business and Other	19	1,608,042	2%
Mainland- Health Organizations	3	320,449	0%
Mainland- Non-Profit Organizations	6	320,788	0%
National Aeronautics and Space Administration	19	1,510,088	2%
National Science Foundation	43	12,006,107	15%
US Colleges and Universities	25	3,467,073	4%
Overall - Total	327	82,236,254	100%

**Year to Date Extramural Non-Research Awards
Jul 1, 2012 to Sep 30, 2012
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	12	2,417,774	3%
DHHS-Dept of Health and Human Services	16	7,827,378	8%
DOC-Dept of Commerce	8	3,088,027	3%
DOD-Department of Defense	4	1,468,309	2%
DOI-Dept of Interior	8	214,719	0%
ED-Dept of Education	49	24,320,904	25%
Federal Agencies	9	13,164,454	14%
Foreign	10	2,643,846	3%
Hawaii- Business and Other	10	311,231	0%
Hawaii- Dept of Education	1	30,000	0%
Hawaii- Government Agencies	51	9,393,808	10%
Hawaii- Health Organizations	30	11,425,564	12%
Hawaii- Non-Profit Organizations	34	1,526,197	2%
Mainland- Business and Other	12	628,437	1%
Mainland- Health Organizations	1	18,750	0%
Mainland- Non-Profit Organizations	9	3,776,239	4%
National Aeronautics and Space Administration	3	1,256,160	1%
National Science Foundation	19	11,605,510	12%
US Colleges and Universities	10	716,752	1%
Overall - Total	296	95,834,059	100%