

## Gift, Grants, and Contracts for May 1, 2012 to May 31, 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	Koon-hui Wang	Plant and Environmental Protection Sciences	Survey of Downy Mildews and Other Selected Fungal or Nematode Diseases of Corn in Hawaii	Conduct survey on fungal and nematode diseases on corn in Hawaii	1	44,480
Agriculture, Dept - Animal and Plant Health Inspection Service	Michael john Melzer	Plant and Environmental Protection Sciences	A Survey for Watermelon Mosaic Virus and Other Potyviruses in Hawaii's Orchid Industry	We will sample orchids at nurseries across the state and test these samples for the presence of potyviruses.	1	17,069
Agriculture, Dept - Animal and Plant Health Inspection Service	Michael john Melzer	Plant and Environmental Protection Sciences	Survey to Taro (Colocasia esculenta) Viruses in Hawaii	We will sample taro plants from farms and germplasm repositories across the state and test these samples for the presence of viruses.	1	23,453
AGRICULTURE, DEPT-FED	Vassilis Syrmos	Vice Chancellor, Research and Graduate Education	Parallelization of the SWAT Watershed Model for Application on the Supercomputers at the Hawaii Supercomputer Center	To efficiently run the SWAT watershed model on a supercomputer for application to water management and sustainability on Maui.	1	80,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Haining Yang	Natural Products	The Role of HMGB1 in the Pathogenesis of Mesothelioma	This project is to study the role of HMGB1 in the mechanism by which asbestos causes mesothelioma. The successful completion of this project will lead the identification of new molecular targets for intervention and the development of novel strategies for the prevention and/or therapy of MM.	1	311,250
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Peiwen Fei	Natural Products	Roles of the Fanconi Anemia Pathway in Bladder Tumorigenesis	To study the interplay between the role of FA-tumor suppressor signaling pathway in the development of human bladder cancer.	1	301,913
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Thomas Wills	Social and Behavioral Sciences	Self-Control as a Moderator for Effects of Mass Media on Adolescent Substance Use	This is a research program to investigate effects of movies and advertising on adolescent smoking and alcohol use. A field study with middle school students will be conducted in Hawaii and four laboratory studies with persons from this population will be conducted in Hawaii, Michigan, and New Hampshire.	1	585,325

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HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Toshihiko Kawamori	University of Hawaii Cancer Center	The Sphingolipid Pathway in Colon Cancer Chemoprevention	The most common preventable cancer is colorectal cancer. We found that sphingolipids play a pivotal role in colon cancer development by regulating inflammation. In this project, we try to understand the mechanisms by which the sphingolipid pathway mediates colon cancer development and to identify good targets for colon cancer chemoprevention.	1	30,191
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	Eric Holmes	Vice Chancellor, Research and Graduate Education	INBRE II: Hawaii Statewide Research and Education Partnership (HSREP)	Provide improved secondary education and biomedical research opportunities for the citizens of Hawaii at every level from community colleges through the state's medical school.	1	2,949,509
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG & BLD INST	Ralph Victor Shohet	Center for Cardiovascular Research	Recruitment for Cardiovascular Research at the University of Hawaii	This grant will fund the recruitment of a professor to work in the Center for Cardiovascular Research. It will also support two young investigators who work on educational initiatives and technology development in this Center. It is preliminary to a larger program that would subsequently support the recruit and the Center.	1	207,075
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG & BLD INST	Takashi Matsui	Center for Cardiovascular Research	Role of mTOR in the Diabetic Heart	Heart failure after myocardial infarction in diabetes develops twice as often as in non- diabetics. Although the insulin signaling protein mTOR is known as a mediator of metabolism, the role of mTOR in the diabetic heart remains undefined. We will explore cardioprotective effects of mTOR in a mouse model of diabetes.	1	371,250
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HUMAN GENOME RSCH	Loic Le Marchand	Cancer Etiology	Epidemiology of Putative Causal Variants in the Multiethnic Cohort		1	785,130
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Philip Williams	Department of Chemistry	Accessing Cyanobacterial Chemical Diversity: A Unique Natural Product Library	Large scale culture of cyanobacterial strains to produce compounds for the Molecular Libraries Small Molecule Repository	1	326,280
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Stefan Moisyadi	Department of Anatomy, Biochemistry, and Physiology	Transposon Based Mammalian Transgenesis and Transfection	This grant should lead to improved non-viral integrating vectors for use in mammalian transgenesis.	2	570,516

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HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST MENTAL HLTH	Robert Blanchard	Pacific Biosciences Research Center	The Genetic Control of Social Behavior	Autism spectrum disorder involves multiple deficits in social behavior and interaction. The current research will use novel behavioral tests to evaluate the role of specific genes in these behaviors.	1	201,966

### DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Sean Callahan	Department of Microbiology	Step Two in the Rapid Response Investigation of an Outbreak of Acute Montipora White Syndrome in Hawaii: Outbreak Impacts and Disease Etiology	Investigation of an outbreak of coral disease in Kaneohe Bay	1	62,000
COMMERCE, DEPT-NATL NOAA-FED NATL OCEAN SVC	Mark Merrifield	Department of Oceanography	Mechanisms of Atmospheric Mercury in Transport and Transformation of the Remote Pacific Marine Free Troposphere Measured in Hawaii	A data set will be assembled that will include the atmospheric measurements currently being conducted at Mauna Loa Observatory and the mercury measurements.	1	276,994
COMMERCE, DEPT-NOAA/ NATL MARINE FISHERIES SVC	Kenneth H Rubin	Department of Geology and Geophysics	SOEST Isotope Laboratory Solicitation Response for the NOAA Statement of Work/Specification for Radiological Analyses of 226Ra & 210Pb in Fish Otolith	Provides funds for Dr. Allen Andrews of NOAA to conduct 210Pb and 226 Ra analyses in the SOEST Isotope Lab under the PI's supervision	1	37,500

### DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-AIR FORCE	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Operations and Management of the Maui High Performance Computing Center	Cost reimbursement award term contract for research development, operations and management of the Maui High Performance Computing Center.	1	965,622
DEFENSE, DEPT-AIR FORCE OFC OF SCI RSCH	Ralf I Kaiser	Department of Chemistry	Untangling the Energetics and Dynamics of Elementary Reactions of the Boron Monoxide Radical	We want to investigate radical reactions of BO in boron-based rocket propulsion systems	1	155,667
DEFENSE, DEPT-AIR FORCE OFC OF SCI RSCH	Ruben Juarez	Social Science Research Institute	Tournament Games with Externalities	The proposal intends to analyze theoretical models of coalition formation, for instance across different cultural characteristics like gender, race, place of origin or language	1	120,790

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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.	1	190,000
DEFENSE, DEPT-EDUCATION ACTIVITY	Rebecca Ostertag	Biology (UH Hilo)	Developing Novel Ecosystems That Optimize Carbon Storage, Native Biodiversity and Human Mobility in Lowland Hawaiian Forests	Develop and evaluate a set of what we call 'hybrid ecosystems', in which a mix of native and non-native species maintains valuable forest structure and ecosystem services.	1	207,940
DEFENSE, DEPT-NAVY NAVAL SURFACE WARFARE CTR	Kimberly Binsted	Information and Computer Sciences	A smartphone sensor network for reporting radiological data	The objective of this project is to create a sensor network using smartphones and other commercial-off-the-shelf (COTS) equipment to enable automatic or simplified measuring and reporting of radiological data to a central database. This system will enable disaster relief and consequence management personnel to quickly report sensor measurement to an operational command without requiring wired network equipment or multiple steps to transfer the information between devices. The database portion of the project addresses the need for real time data collection and storage of emergency data, such as radiation exposure, to provide an up-to-date picture of affected environments. This monitoring system is designed to utilize existing cellular network infrastructure to provide radiation dosimetry along with a GPS reading to a geographical information system (GIS) to provide dynamic modeling of the spread of radiation.	1	10,000

**DOE-Dept of Energy**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENERGY, DEPT	Anne Hope Jahren	Department of Geology and Geophysics	Development of new Biomarkers for Surficial Earth Processes	To investigate: the stable isotope signature of terrestrial biomarkers, when contextualized according to the composition of whole organism and fortified with knowledge about general biochemistry, comprises a chemical	1	146,984

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				signature that integrates over the lifetime of the organism, or the pedogenic development of the soil.		
ENERGY, DEPT	Craig Jensen	Department of Chemistry	High Pressure Spectroscopy of Room Temperature Hydrogen Sorbents Modification 2	Enhanced reversible hydrogen uptake in addition to simple, physi-sorption has been reported for a number of sorbent materials. We plan to investigate the nature of this "spillover" hydrogen by solid state, nuclear magnetic resonance spectroscopic methods.	1	10,000
ENERGY, DEPT	Jean St-Pierre	Hawaii Natural Energy Institute (HNEI)	The Effect of Airborne Contaminants on Fuel Cell Performance and Durability	The objective of the proposed work is to characterize, analyze, and understand the effects of airborne contaminants which have the potential to reduce the performance of durability of proton exchange membrane (PEM) fuel cells.	1	300,000
ENERGY, DEPT	Sven E Vahsen	Department of Physics and Astronomy	Participation in the Belle and Belle II Experiments at the Intensity Frontier	Analyze data from Belle experiment at KEKB collider in Japan, lead SuperKEK beam commissioning efforts in preparation for Belle2, and develop a novel Directional Dark matter Detector with electronic charge readout.	1	84,000
Energy, Dept. of - Basic Energy Sciences	Thomas Earl Browder	Department of Physics and Astronomy	Research in High Energy Physics: Technical Progress Report & FY12 Budget Request	Primary purpose of this research is the understanding of the properties of the elementary constituents of matter and the nature of the fundamental forces between them	1	1,620,500

### DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-NATIONAL PARK SVC	David Duffy	Department of Botany	Invasive Coqui Study and Public Outreach in Hawaii Volcanoes National Park and Vicinity	Monitor and collect data on coqui frog populations in Hawaii Volcanoes National Park, implement control methods including testing barricades and chemical treatments, and provide technical assistance and public outreach.	1	18,793
INTERIOR, DEPT-UNITED STATES GEO SURVEY	David Ho	Department of Oceanography	Determination of Large-Scale Hydrodynamics of DECOMP Physical Model with SF6 Tracer Release Experiments	SF6 tracer release experiments will be used to study the large scale water movement in the DECOMP Physical Model region of the Everglades.	1	66,983

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INTERIOR, DEPT-UNITED STATES GEO SURVEY	Jeffrey Gillis-Davis	Hawaii Institute of Geophysics and Planetology (HIGP)	Using Gamma-Ray, Neutron, and Spectral Reflectance Data to Obtain Accurate Measures of Global Iron Abundances	Determine the source of discrepancies in estimated iron compositions for the Moon between three different data sets: gamma-ray, neutron, and spectral reflectance data.	1	11,513
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	3,502
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Seasonal Occupancy of Bats at Kahikinui Forest Reserve	Collaborative research project focused on the seasonal occupancy of Hawaiian hoary bats in the Kahikinui Forest reserve	1	95,682
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Surveys to Determine Impacts of Invasive Ants in National Park of American Samoa, dated 04/21/2010	Survey and map distributions of ants within NPSA; Identify environmental variables that influence distributions of invasive ants; Measure impacts of invasive ants on arthropod communities; Provide recommendations to park managers on ways to mitigate impacts of invasive ants within NPSA.	1	3,732
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	34,631

#### **Hawaii- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KOLOHALA HOLDINGS LLP	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	Marine Corps Base Hawaii Hydrogen Infrastructure Support	The USDOE has approved the installation of a Powertech hydrogen fueling station at MCB Hawaii to support the deployment of GM Equinox fuel cell vehicles in Hawaii. The installation requires a budget of \$600,000 for the installation of site improvements	1	400,000

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KOLOHALA HOLDINGS LLP	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	State of Hawaii Hydrogen Fund Support for Geothermal Plant Hydrogen Project	The Hawaii Department of Business, Economic Development and Tourism (DBEDT) has approved funding from the Hawaii Hydrogen Investment Capital Special Fund (Fund) to support the procurement, installation, and operation of a geothermal hydrogen production and delivery system located at the Puna Geothermal Ventures geothermal power plant on the Island of Hawaii. The installation requires a budget of \$1,000,000 for the installation of site improvements and the purchase of project equipment to augment funding received from the USDOE and Office of Naval Research in the amount of \$1.79 million.	1	1,000,000

**Hawaii- Government Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUMAN SERVICES, DEPT-HI Benefits, Employment & Support Services	Sarah CW Yuan	Center on the Family	HMIS Analysis and Dissemination Project	Data analysis of homeless in Hawaii and preparation of reports for wide dissemination.	1	41,160
LAND & NATURAL RES, DPT-AQUAT (DLNR)	Jeffrey Drazen	Department of Oceanography	Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands	To evaluate the effectiveness of restricted fishing areas for improving the bottomfish fishery in the main Hawaiian Islands.	1	390,000
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Threatened and Endangered Species Recovery: Kauai	Conduct applied field research to promote recovery of Kauai's threatened and endangered plants.	1	45,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Data and Outreach Personnel Supporting the Invasive Deer Strategic Alliance	Develop GIS data management of Axis deer activities on the Big Island to assist in eradication and to quantify the efficacy of the program.	1	88,192
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Detection and Control of Invasive Species on the Island of Kauai	Control and eradicate invasive species on Kauai, with an emphasis on early detection and rapid response.	1	42,186
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	68,765

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LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Landowner Assistance Program for Endangered Species Protection	Provide conservation expertise to landowners on all aspects of assistance programs for endangered species protection, and assist in development of plans and agreements.	1	50,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserves Management	Research and manage endangered species in their protective habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	1	25,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserves Management: Kauai Island	Research and manage endangered species in their protective habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	1	62,795
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Statewide Wildlife Conservation Program Coordination and Implementation	Contribute research coordination and implementation for various projects within a statewide wildlife conservation program.	1	25,000
TRANSPORTATION, DEPT-HI	Amarjit Singh	Civil and Environmental Engineering	Concrete Runway Pavement Monitoring for Kahului Airport	The project will provide holistic information for monitoring the concrete pavement at Kahului Airport, Data shall be captured from embedded sensors. Analyses and calculations will be performed in accordance with the formulas and equations proposed. The pavement condition will be assessed periodically and regularly.	1	520,914

**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 ongoing Honolulu Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.	1	4,908

**Hawaii- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COALITION TOBACCO FREE HAWAII	Alana D Steffen	Social and Behavioral Sciences	REAL: Hawaii Youth Movement Exposing the Tobacco Industry	To raise awareness and educate Hawaiis youth about the manipulative targeting strategies used by the tobacco industry and offer opportunities to take action.	1	250,000



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Kahoomiki	Claudio Nigg	Dept of Public Health Sciences and Epidemiology	Fun 5 Evaluation		1	44,984
TRI-ISLE RES CONSERVATION & DEV COUNCIL	Clifford W. Morden	Department of Botany	Leeward Haleakala Watershed Restoration Partnership	Conduct restoration and management-based research in the watershed forests on Southern Haleakala.	1	149,672
UNIVERSITY HAWAII FOUNDATION	Joseph DeFrank	Tropical Plant and Soil Science	Weed Control Protocols for Native Hawaiian Plant Establishment	The scope of this project will be to develop site preparation protocols that will provide for rapid soil cover, maximize the efficiency of weed control efforts and increase the success of hydromulching establishment efforts.	1	2,000

**Mainland- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DOW AGROSCIENCES LCC	Wei-Wen Su	Molecular Biosciences and Bioengineering	Novel gene-stacking technology		1	22,000
L'Oreal USA	Susan Brown	Department of Oceanography	Photoprotection Molecules in Marine Microalgae	This research will be conducted at the University of Hawaii at Manoa under the supervision of Dr. Robert Bidigare and Dr. Susan Brown of the Center for Marine Microbial Ecology and Diversity. The work plan was developed jointly with LOreal and aims to screen the Brown Strain Collection for photoprotective compounds. The period of performance is 1 May - 31 October 2012. It is recognized that the work is exploratory in nature, and new needs for information may emerge. With guidance from LOreal and agreement by both parties, the work plan may be modified to address these emerging needs. If new activities are agreed upon, we will modify deliverables in accordance.	1	49,880
NATHAN ASSOCIATES INC.	James Gaines	Pacific Disaster Center	ASEAN Disaster Monitoring and Response System (DMRS) Work Order 4	Provide the AHA Centre emergency operations center (EOC) with an integrated web-based geospatial application system that synthesizes multiple streams of data on hazards for critical disaster monitoring and decision making.	1	110,733

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SMITHSONIAN ASTROPHYSICAL OBSERVATORY	David Sanders	Institute for Astronomy	Chandra Survey of Dual AGN Activation in Hard X-Ray Selected Merging AGN Hosts	Propose to observe AGN in mergers with multiple nuclei, which can only be detected with the resolution of Chandra. This data, along with samples from last year will determine the incidence of multiple accreting nuclei in the low redshift Universe for the first time.	1	91,055
WOODS HOLE OCEANOGRAPHIC INSTITUTION	Paul Nachtigall	Hawaii Institute of Marine Biology (HIMB)	Acoustic Behavior, Baseline Ecology and Habitat Use of Pelagic Odontocete Species of Concern	We propose to employ non-invasive, acoustic behavior and orientation tags (DTAGS) to establish critical baseline information on the ecology and sound use of false killer and melon headed whales. Tags will provide novel and needed baseline acoustic characteristics and associated acoustic behavior and dive patterns.	1	28,601
Wyle Laboratories, Inc.	Lloyd Hihara	Mechanical Engineering	Ceramic Corrosion TestInq	Conduct research and testino of ceramic and aluminum couoles.	1	150,000

**Mainland- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Kaiser Foundation Research Institute	Rachel Novotny	Human Nutrition, Food and Animal Sciences	Pacific Kids DASH for Health (PacDASH)	At UH-Design and develop project tools (specifically at HNFAS for the Pacific Tracker- Expert System tool.), test tools, oversee and manage study implementation, conduct data entry and analysis, and write reports. Principal investigator of study at Kaiser Permanente and UH.	1	69,734

**Mainland- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
American Red Cross - Vietnam Delegation	James Gaines	Pacific Disaster Center	Song Tranh 2 Dam	Inundation Map and Report for Song Tranh 2 Dam In Quang Nam Province	1	4,200

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Conservation International - Hawaii Fish Trust	Alan Friedlander	Department of Zoology	Integration of Surveys of the Fisheries of Maunalei-Lanai, Kiholo Bay-Hawaii, and Kahului Harbor-Maui with in situ Ecological Data	Integration of a statistically robust survey of the fisheries of Maunalei-Lanai, Kiholo Bay-Hawaii and Kahului Harbor-Maui with in situ ecological data to assess the ecosystem effects of harvest within the main Hawaiian Islands. Develop a database and analytical structure to analyze these data. Develop a report of finding.	1	88,117
Mid-continent Research for Education and Learning	Donald B Young	Curriculum Research and Development Group	REGIONAL EDUCATIONAL LABORATORY PACIFIC SERVICES CONTRACT #12-122	CRDG will develop electronic planning module with resource guides and conduct education research with Pacific Island entities under the Regional Education Laboratory Pacific.	1	156,424

### **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. Using measuring instruments such as the Cameca lms-1280.	1	120,000
NATIONAL AERONAUT & SPACE ADM	Edward Robert Dalton Scott	Hawaii Institute of Geophysics and Planetology (HIGP)	Origin, Thermal History, and Impact Record of Meteorites and their Parent Asteroids	We propose to elucidate the origin of meteorite parent bodies and their impact and thermal histories through detailed mineralogical, chemical and isotopic studies and numerical simulations of accretion in the asteroid belt.	1	55,000
NATIONAL AERONAUT & SPACE ADM	G Jeffrey Taylor	Hawaii Institute of Geophysics and Planetology (HIGP)	Sharing Discoveries in Cosmochemistry on the Internet	We will write articles for our online magazine, Planetary Science Research Discoveries <a href="http://www.psr.d.hawaii.edu">www.psr.d.hawaii.edu</a> .	1	88,000
NATIONAL AERONAUT & SPACE ADM	Istvan Szapudi	Institute for Astronomy	Reconstructing Information in Large-Scale Structure via Logarithmic Mapping	We propose to develop a new method to extract information from large-scale structure data combining two-point statistics and non-linear transformations.	1	117,843

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NATIONAL AERONAUT & SPACE ADM	Jeffrey Gillis-Davis	Hawaii Institute of Geophysics and Planetology (HIGP)	Integrating MESSENGER Data to Investigate the Origin of Mercury's Intercrater and Smooth Plains Deposits	The proposed work will investigate the origin of Mercury's Smooth plains and intercrater plains using data from the Mercury Surface, Space Environment, Geochemistry, and ranging (MESSENGER) mission. The main tasks of the proposal include; create a prioritized list of geologic targets, and integrate X-ray, gamma-ray, neutron, and spectral data to map these two units.	1	151,825
NATIONAL AERONAUT & SPACE ADM	Paul Grandmont Lucey	Hawaii Institute of Geophysics and Planetology (HIGP)	The Mafic Component of the Lunar Crust	Data from recent lunar satellites will be used to understand the history of the Moon.	1	110,668
NATIONAL AERONAUT & SPACE ADM	R Tully	Institute for Astronomy	Cosmic Flows with WISE	The program will map the peculiar motions and large scale flows of galaxies out to 200 Mpc (megaparsec) in order to constrain the distribution of mass in this large, representative volume of the Universe.	1	218,530
NATIONAL AERONAUT & SPACE ADM	Shadia Habbal	Institute for Astronomy	Exploring the thermodynamics of the coronal plasma and the evolution of its magnetic field from total solar eclipse observations	We propose to acquire observations during the upcoming total solar eclipses of 2012, 2013 and 2015 to explore the behavior of the major (protons, electrons and alpha particles) and minor (heavy ions) constituents of the coronal plasma in the heliocentric distance range of 1 - 3 R. This is critical for understanding the physical processes that define that medium and its subsequent impact on the Earth's environment.	1	24,800

#### National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Christopher Measures	Department of Oceanography	Collaborative Research: Modeling and Synthesis Study of a Natural Iron Fertilization Site in the Southern Drake Passage	This proposal is about a model and synthesis study of coupled physical and biogeochemical transport processes, coupled Fe recycling, evolution of a plankton community and export flux, and potential changes in these fundamental physical, biogeochemical and ecosystem processes under climate changes scenarios in the Southern Ocean.	1	27,086

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NATIONAL SCIENCE FOUNDATION	Clifford W. Morden	Department of Botany	REVSYS: Systematics of Paleotropical Grammitid Ferns (Polypodiaceae): Using Phylogenies to Resolve Generic Circumscriptions and Explore the...	The proposed project is a molecular and morphological phylogenetic study of a group of paleotropical ferns.	1	142,415
NATIONAL SCIENCE FOUNDATION	Lisa Kewley	Institute for Astronomy	CAREER: The Cosmic Metallicity and Star Formation History of Galaxies	The PI proposes a large research program to gain a simultaneous understanding of the metallicity and star formation history of galaxies between $0 < z < 3$ .	1	76,718
NATIONAL SCIENCE FOUNDATION	Lyle Campbell	Department of Linguistics	Collaborative Research: Endangered Languages Catalog (ELCat)	Preparation of a catalogue, database, and website for endangered languages of the world, collecting and correcting information on endangered languages: their location, number of speakers, classification, need for linguistic documentation.	1	5,843
NATIONAL SCIENCE FOUNDATION	Pedro Di Nezio	Department of Oceanography	Constraining Mechanisms of Tropical Climate Change Using Simulations and Proxies of the LGM	The research proposed here will evaluate whether the Walker circulation is sensitive to changes in tropical mean temperature using climate model experiments and proxy data of the LGM. The results of this research are expected to improve climate models and increase confidence on simulations of future hydrological changes as the tropical Pacific warms in response to increasing greenhouse gases.	1	328,863
NATIONAL SCIENCE FOUNDATION	Philip Johnson	Information and Computer Sciences	HCC:Small:Human Centered Information Integration for the Smart Grid	Development of technologies and experiments to determine how to achieve positive, sustained behavioral change from consumers with respect to their energy usage.	1	131,419
NATIONAL SCIENCE FOUNDATION	Scott Paul Robertson	Information and Computer Sciences	HCC: Medium: Social Search and Deliberation in Digital Political Information and Collaboration Domai	Social networking sites and services such as Facebook and Twitter are increasingly important for political dialogue. This research examines how social networking might influence decision making by voters and also proposes to build a service to help voters find and share online information about candidates.	1	234,687
NATIONAL SCIENCE FOUNDATION	Thomas Hangelbroek	Department of Mathematics	Local and Nonlinear Kernel Approximation	Research in applied mathematics, in the area of approximation theory. Funding is to cover travel for myself and collaborators, summer salary, computer equipment and books.	1	64,878

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Yingfei Dong	Electrical Engineering	EAGER: TC: Collaborative Research: Experimental Study of Accountability in Existing Anonymous Networks	computer security, anonymous communications	1	16,000

### US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ARIZONA STATE UNIVERSITY	Joseph Boyce	Hawaii Institute of Geophysics and Planetology (HIGP)	Single and Multi-Layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement	The proposed investigation entitled Single and Multi-Layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement continues to be to use existing THEMIS visible images data (and provided scientific guidance and encouragement for collection of new THEMIS image data.	1	7,000
CALIFORNIA INST OF TECHNOLOGY	Norbert Schorghofer	Institute for Astronomy	Laboratory Simulations of Subsurface Ice on Mars	Dr. Schorghofer will collaborate with Principal Investigator Oded Aharonson on laboratory experiments in simulated Mars environments. He will carry out theoretical work for the planning and interpretations of these experiments, and visit Caltech regularly for collaboration.	1	17,060
CALIFORNIA LOS ANGELES, UNIV	Paul Grandmont Lucey	Hawaii Institute of Geophysics and Planetology (HIGP)	Support to UCLA LRO Diviner Investigation	The principal investigator will provide expertise in lunar science to University of California at Los Angeles in support of their infrared spectrometer on NASA's Lunar Reconnaissance Orbiter mission.	1	105,600
GEORGIA, UNIVERSITY OF	Gernot Presting	Molecular Biosciences and Bioengineering	Functional Genomics of Maize Centromeres	Three additional corn centromeres will be studied in the proposed work. Complete physical maps and sequence will be generated as permitted by current technology.	1	254,696
MARYLAND, UNIVERSITY OF	Marlin Atkinson	Hawaii Institute of Marine Biology (HIMB)	Alliance for Coastal Technologies - Pacific Partner	Test and evaluate sensor technology for coastal moorings. Provide outreach activities to help assess instrumentation needs for Integrated Ocean Observing System and other coastal management needs.	1	295,000
SOUTHERN CALIFORNIA, UNIVERSITY OF	Cecilia Shikuma	Department of Medicine	Women's Interagency HIV Study (WIHS)		1	36,512
STANFORD UNIVERSITY	Christina Bell	Department of Geriatric Medicine	WHI Extension 2010-2015 Western Regional SUB		1	23,175

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TEXAS A&M UNIVERSITY	Stephen Masutani	Hawaii Natural Energy Institute (HNEI)	UH Subtasks for TAMU Proposal Submitted to the Gulf of Mexico Research Initiative	Conduct laboratory and field experiments to determine deep ocean oil spill plume behavior and participate in the development of submodels of far-field microbial oxidation of contaminant hydrocarbons.	1	188,240
<b>Research - Total</b>					<b>90</b>	<b>18,051,418</b>

### 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	Charles Kinoshita	Office of The Assoc Dean for Academic and Student Affairs	Hawaii AgDiscovery Program	Hawaii AgDiscovery Summer Training Program for High School Students.	1	40,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-CTR DIS CTRL-FED	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Share, Integrate, Link American Samoa (SILAS II)		1	144,414
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kamal Masaki	Department of Geriatric Medicine	Pacific Islands Geriatric Education Center	Allied Health Care professionals training in Geriatrics.	1	418,039

#### DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Brian Taylor	School of Ocean and Earth Science and Technology	Developing the Pacific Islands Ocean Observing System (PacIOOS)	Maintenance and continued development of the instrumentation, modeling, stakeholder engagement, and data management systems of the Pacific Islands Ocean Observing System PacIOOS), a regional component of the national Integrated Ocean Observing System (IOOS).	1	2,488,545

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Michael Hamnett	Social Science Research Institute	Reef Connections	Reef Connections will train teachers to use a new marine science curriculum and organize field trips to provide meaningful science-based outdoor experiences for students in the study of earth sciences	1	73,544

**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	125,000

**DOI-Dept of Interior**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	David Duffy	Department of Botany	Building a Web-Based System to Support Hawaii's Ecosystem Recovery Plans - The Kauai Prototype	Provide technical assistance to USFWS to develop a data management system for species and ecosystem recovery plans over the long term.	1	97,060
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Collaboration of Cooperator Information Resources and Climate Change Assessment		1	13,670

**ED-Dept of Education**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Gail Mililani Makuakane-lundin	Chancellor, UH Hilo	Hanakahi Student Success Programs	Increases in Native Hawaiian student success, retention and completion; increases in the level of engagement of students in their college educational experience; improvements among students in the attitudes, knowledge and skills associated with effective leadership; and improvements in Hawaiian language teaching and student learning.	1	799,470



### Gift, Grants, and Contracts for May 1, 2012 to May 31, 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	398,227
EDUCATION, DEPT-FED	Leonard D. Woods	Upward Bound	Upward Bound - Rural - East	The project will provide college preparatory services to 50 low-income and first-generation college bound high school participants yearly.	1	250,000
EDUCATION, DEPT-FED	Leonard D. Woods	Upward Bound	Upward Bound - Rural - West	The project will provide college preparatory services to 50 low-income and first-generation college bound high school participants yearly.	1	250,000
EDUCATION, DEPT-FED	Leonard D. Woods	Upward Bound	Upward Bound - Urban	The project will provide college preparatory services to 50 low-income and first-generation college bound high school participants yearly.	1	250,000
EDUCATION, DEPT-FED	Margaret Ledward	Chancellor, UH West Oahu	Creating a Mobile High-Touch High-Tech Learning Environment: A Program to Promote Academic & Psychosocial Engagement & to Increase Participation in...	This proposal addresses the activities that UHWO can implement to increase college success as measured by improving retention and graduate rates. It also aims to increase access to higher education by increasing opportunities for students to participate successfully in STEM classes and disciplines. UHWO will develop a high-touch mobile learning environment.	1	500,000

#### Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CORPORATION NATIONAL & COMMUNITY SVC	Atina Pascua	Service Learning	HIPICC VISTA PROJECT	This VISTA proposal will meet the needs of low income communities in Hawaii and the Pacific Island Territories of American Samoa, Guam, and the Commonwealth of the Northern Marianas (CNMI). The VISTA positions will help to develop programs that will help with literacy and economic revitalization. (member training & supervision)	1	900

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL FOUNDATION ART & HUMAN-NTL ENDOW ARTS	Richard Frank Stewart	Department of English	Manoa: A Pacific Journal of International Writing	Publication of an international literary journal twice a year.	1	7,500
SMALL BUSINESS ADMINISTRATION	Cathy Wiltse	Hawaii Small Business Development Center	Hawaii Small Business Development Center, Year 2	Federal assistance to manage and operate, within a state, territory, or commonwealth, a Small Business Development Center (SBDC)	1	625,000
SMALL BUSINESS ADMINISTRATION	John Furstenwerth	Hawaii Small Business Development Center	Small Business Development Center	Develop programs and provide business management and other services that enhance the economic development goals and objectives of SBA and their other respective state and local funding partners.	1	88,220

### Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ACADEMY KOREAN STUDIES	Edward J. Shultz	School of Pacific and Asian Studies	Koryo: The Dynamics of Inner and Outer	This proposed conference, using contemporary South Korea as a frame of reference, will look at the Koryo society in terms of its interactions with the world beyond its borders and attempt to assess how, through constant cross-border contacts of one form or another, Koryo, like its successor state of today, had evolved into a dynamic, integrative society.	1	10,000
AMERICAN SAMOA, GOVERNMENT	Robert Cowie	Pacific Biosciences Research Center	Photographs for an Identification Guide to the Samoan Snails and Slugs	The project is to produce digital photographs of shells for a guide to the land snails of the Samoan islands.	1	4,281
REPUBLIC MARSHALL ISLANDS	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Implement a Newborn Hearing Screening Program	Provide technical assistance to implement the grant it received from the US Department of Health's Health Resource Services Administration to implement a new born hearing screening program.	1	55,027

### Hawaii- Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Amelia Jenkins	Department of Special Education	Alternate Route to Teacher Licensure in Special Education - Post Baccalaureate in Special Education (PB SPED)	We propose our nationally accredited Post-Baccalaureate Certification in Special Education Program (PB SPED) -mild/moderate (MM) and severe/autism (SA) emphasis areas	1	550,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				to recruit, train, mentor, and retain special education teachers for the State of Hawaii		
EDUCATION, DEPT-HI	Charles Mueller	Psychology (UH Manoa)	A Proposal for Training and Service	The University of Hawaii Center for Cognitive Behavior Therapy has provided school-based behavioral health ("SBBH") services to the Department of Education, State of Hawaii since 2002. The services are part of an effort to ensure access to evidence-based intervention and assessment services related to educational needs of students identified by the state. The program also provides training and support as well as staff development for the state's SBBH service providers. The University of Hawaii Center for Cognitive Behavior Therapy is a university research and training clinic for children with various emotional and behavioral disorders. The centers emphasis is on empirically supported treatment and assessment, with particular focus on cognitive behavior therapy techniques for various childhood disorders. Graduate students provide clinical services for children and families on Oahu as well as on the neighbor islands of Maui, Lanai, Kauai, Hawaii, and Molokai. State funds will be allocated for assessment and treatment services.	1	168,000
EDUCATION, DEPT-HI	Gene I. Awakuni	Chancellor, UH West Oahu	MOU with Department of Education	To support a Native Hawaiian Educational Outcomes Council coordinator. Funds shall be used to pay for salaries, benefits, supplies, equipment, and any other operational expenses required by the Coordinator to carry out his/her duties and responsibilities	1	30,000
EDUCATION, DEPT-HI	Thanh Truc Thi Nguyen	Curriculum Research and Development Group	Development of Internet/cyber safety website for Hawaii Department of Education	Development of Internet/cyber safety website for Hawaii Department of Education	1	3,500
EDUCATION, DEPT-HI	Vernon Vance Roley	Shidler College of Business	To Plan, Develop and Implement a Business and Marketing Plan Competition	To plan, develop and implement a business and marketing plan competition for Hawaii's high schools.	1	10,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COUNTY KAUIAI	Darren Okimoto	Sea Grant College Program	County of Kauai Coastal Processes Extension Project	The goal of this project is to contribute to improved protection of coastal natural resources and minimization of risks to human lives and safety by providing a UH Sea Grant liaison between scientists, managers, policy makers and the public to ensure the application of the best available coastal management practices.	1	97,000
HAWAII TOURISM AUTHORITY	Dolan Eversole	Sea Grant College Program	Climate Change Impacts to Hawaii's Hospitality Industry and Coastal Communities	Results of a Sea Grant report on the effects and impacts of climate change will be disseminated to Hawaii's coastal communities through a series of statewide workshops for the purposes of compiling background information for the development of a statewide Climate Action Plan.	1	49,890
HAWAIIAN AFFAIRS, OFFICE OF	David Sing	Center For Gifted And Talented Native Hawaiian Children	Na Pua No'eau-Center for Gifted and Talented Native Hawaiian Children		3	2,462,280
HAWAIIAN AFFAIRS, OFFICE OF	Margaret J Maaka	Department of Curriculum Studies	Hookulaiwi/SCHHA Partnership Initiative	Hookulaiwi aims to offer original insights into Hawaiian knowledge and practices, as well as insights on how this information can be utilized to form the pedagogical foundations to K-12 classrooms with high numbers of Hawaiian children and graduate level education.	1	390,000
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Alana D Steffen	Office of Public Health Studies	REACT: Enforcement of Underage Sales	Provide and conduct alcohol sales random sample survey program to retail outlets and liquor establishments.	1	177,000
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Charles Mueller	Psychology (UH Manoa)	Research, Evaluation and Training Program	Psychology Department and Department of Health Child and Adolescent Mental Health Division (DOH-CAMHD) collaborate to provide research and evaluation services for CAMHD and provide research and evaluation training for graduate psychology student	1	11,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	David Nixon	Public Administration	CAMHD Reorganization Project	To assist the Child and Adolescent Mental Health Division of Hawaii Department of Health with a range of services and activities that support, directly and indirectly, efforts to reorganize the Division to ensure a stronger and better defined CAMHD that will directly contribute to improving our mental health treatment programs statewide.	1	54,826
HEALTH, DEPT-HI	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Living to our Full Potential: One Person, One Family, One Community at a Time	This is a collaborative project that aims to develop programming and events to support the key priority areas of the MHT SIG.	1	12,000
HEALTH, DEPT-HI	Mark Kunimune	Emergency Medical Services	Training stipends - DOH-UHKCC for MICT stipends FY13	Memorandum of Agreement (MOA) between the State Department of Health and the University of Hawaii Kapiolani Community College (UH-KCC) for stipends for emergency medical technicians who wish to receive mobile intensive care technician training offered by UH-KCC's Department of Emergency Medical Services for FY 2013.	1	240,000
HEALTH, DEPT-TOBACCO SETTLEMENT-HI	Susan M Saka	Curriculum Research and Development Group	Hawaii School Health Surveys-Tobacco Settlement	Under the direction of the Department of Health (DOH) Healthy Hawaii Initiative collaborate with the DOH, Department of Education, and other members of the Hawaii School Health Surveys Committee to plan, coordinate, evaluate, and provide a report on the county-level implementation of the Hawaii School Health Surveys (HSHS). The HSHS consists of two modules (Youth Risk Behavior Surveys and the Youth Tobacco Surveys administered to a statewide, two-stage random sampling public middle (Grades 6-8) and high (Grades 9-12) schools in Hawaii.	1	150,000
HUMAN SERVICES, DEPT-HI	Rebecca Rude Ozaki	Center on Disability Studies/University Affiliated Pgms	Community Planning to Implement the Going Home Plus Grant		1	699,036
HUMAN SERVICES, DEPT-OYS-HI	Errol Yudko	Social Sciences Division	Lanakila Learning Center Office of Youth Services	The Lanakila Learning Center is an off-Campus alternative learning center servicing 12-24 high school youth.	1	122,500
LABOR & INDUSTRIAL RELATION, DPT-HI (DLIR)	William Mihalke	Center on Disability Studies/University Affiliated Pgms	Hawaii's Disability Employment Initiative		1	1,000,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Statewide Endangered Plant Program, Mid-Elevation Rare Plant Facilities (Olinda)	Provide services for ex situ propagation and maintenance of critically endangered Hawaiian plant species at Olinda Rare Plant Facility	1	20,435

### Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KUAKINI MEDICAL CENTER	Elizabeth Tam	John A. Burns School of Medicine	Reimbursement Agreement Fiscal Year 2011 - Agreement No. SF11 KUA MED	Agreement to provide physician and physician related services for FY2011.	1	6,672
MAUI MEMORIAL HOSPITAL	Carol Hoshiko	Chancellor, Kapiolani Community College	Maui Memorial Medical Center-Hookipa Me Ke Aloha Contract Training	Hookipa me ke Aloha (customer service) training for Maui Memorial Medical Center's management and staff (See page 7 of proposal for more details).	1	33,000

### Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)	Jinzeng Yang	Human Nutrition, Food and Animal Sciences	DNA-based Animal Genetics	shrimp DNA sample analysis and technical service for the Oceanic institute shrimp breeding program.	1	33,500
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	55,000
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg Equity Model Expenditures	To pay for P-20 salary, fringe, and program costs.	1	50,167
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg P-3 Expenditures	To pay for P-20 salary, fringe and program costs.	1	295,825
UNIVERSITY HAWAII FOUNDATION	Luoluo Hong	Vice Chancellor for Student Affairs	Dorrance Summer bridge Program Fund	Lecturers will develop curriculum for English 100 and Math 104F classes for Dorrance scholarship recipients. Tutors will provide subject-specific tutoring, academic skills development, and peer mentoring to the scholars	1	14,900

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	14,326
UNIVERSITY HAWAII FOUNDATION	Michael P. Crosby	Vice Chancellor for Research	Will J. Reid Foundation Post-Doctoral Position for the Study of Marine Debris	UH Hilo is requesting that the Will J. Reid Foundation support a revolving two-year post-doctoral position for the conduct of marine debris research, teaching, and community outreach	1	193,000
UNIVERSITY HAWAII FOUNDATION	Thomas Bingham	College of Arts and Humanities	Faculty Excellence Awards	To award faculty for various College of Arts and Humanities cash awards (Excellence in Teaching, Excellence in Research, Excellence in Scholarship, etc.)	1	1,000
UNIVERSITY HAWAII FOUNDATION	Thomas Katsuyoshi	Facilities Management	Clarence T.C. Ching Athletic complex (UHM 09-302)	Plans, design, and construction of new Clarence T.C. Ching Athletic Complex.	1	1,638,940
UNIVERSITY HAWAII FOUNDATION	Tung Bui	Shidler College of Business	English Language Training Capacity at Hanoi University	Strengthen English language pedagogy & capacity in Vietnam.	1	3,528
UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Center for Korean Studies	CKS Educational Activities	Pay for honoraria and faculty overload.	1	512

**Mainland- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CENTER FOR PUBLIC SERVICE COMMUNICATIONS	Marjorie Mau	Department of Native Hawaiian Health	Advancing Native Health and Wellness Services Agreement	The conference will feature a strong scientific program embedded within a Native cultural context that will bring together a diverse group of research scientists, students, emerging investigators, traditional healers, cultural practitioners, health care providers, community leaders and policy makers. A significant portion of the conference will provide for training workshops, cultural demonstrations and sharing of traditional and cultural practice as well as faculty development, mentorship and peer networking. The conference program will invite all Native Peoples to share their "lessons learned" as well as successful programs and approaches to growing the next generation of	1	30,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				health care and research leadership who are grounded in Native values and cultural practices. This unique conference aims to explore challenges and strengths of Native Peoples in taking control of their own health and wellness as the program moves forward in "Advancing Native Health and Wellness".		
ELI LILLY & COMPANY	Richard Arakaki	Clinical Sciences	H9X-MC-GBDJ (REWIND) The Effect on LY2189265 on Major Cardiovascular Events in Patients with Type 2 Diabetes	This study will assess the effect of once-weekly LY2189265 compared to placebo on major adverse cardiovascular events in patients with Type 2 diabetes when added to their existing antihyperglycemic regimen. The objective is to test the hypothesis that once-weekly injection of LY2189265 reduces the occurrence of the composite endpoint of death from cardiovascular cause, nonfatal myocardial infarction, or nonfatal stroke when added to the glucose lowering regimen of patients with Type 2 diabetes compared to placebo. This is an event driven study and will complete when 1067 patients experience a primary endpoint event, adjudicated as such. The estimated duration of study depends on the observed cardiovascular event rate.	1	136,519
LOS ALAMOS NATIONAL LABORATORY	Luis Elias	Department of Physics and Astronomy	Proposal to the Los Alamos National Laboratory for the Financial Support to a Foreign Graduate Student	At the invitation of the Los Alamos National Laboratory we are requesting funds from LANL to finance two years of graduate student expenses of foreign born Alexander Malyzhenkov	1	63,286
WIYN CONSORTIUM INC	Peter M Onaka	Institute for Astronomy	WIYN/ODI Orthogonal Transfer CCD Controller	This is a proposed amendment to the existing contract between the WIYN (Wisconsin, Indiana, Yale, NOAO) Consortium and UH C10599W. The amendment adds two STARGRASP Focus Controllers to the contract, changes the period of performance and allows for contingency payment. The original contract, started on April 1, 2008, included a 512 channel CCD STARGRASP controller system and supporting components for the One Degree Imager (ODI) camera to be installed on the WIYN Telescope at Kitt Peak Arizona.	1	52,248



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

### National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	John Carl Hamilton	Physics and Astronomy	ISRU Analog Field Demonstration of In-Situ Resource Utilization and Human Robotic Systems	To enable and facilitate lunar and martian analog field testing of prototype space hardware and techniques.	1	40,000

### National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Aaron T Ohta	Electrical Engineering	REU Supplement: Microfluidic Devices for Tunable RF Communication Systems		1	12,000
NATIONAL SCIENCE FOUNDATION	Alexander N Shor	School of Ocean and Earth Science and Technology	University of Hawaii Oceanographic Instrumentation CY2012	Acquisition of shared-use oceanographic instrumentation for use by various researchers aboard R/V Kilo Moana. Instruments will be managed by the Oceanographic Technology Group (OTG).	1	109,988
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	1	36,650
NATIONAL SCIENCE FOUNDATION	Patricia A. Cooper	Graduate & Professional Education	Graduate Research Fellowship Program	To provide graduate students the opportunity to further their education by funding their research projects.	1	256,000
NATIONAL SCIENCE FOUNDATION	Tamara Ticktin	Department of Botany	Developing a new research collaboration in the Pacific: Hawaii-Fiji workshop on socioecological resiliency to climate change, preliminary data	We propose to collaborate with the University of the South Pacific to test how traditional resource management can enhance adaptation to climate change in the Pacific. We will: hold workshop to refine our questions and design for subsequent research; collect existing data; and conduct a methods training course.	1	47,148
NATIONAL SCIENCE FOUNDATION	Weilin Qu	Mechanical Engineering	Investigation of Binary Mixture Flow Boiling in Micro-Scale Structures		1	2,000

### US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PURDUE UNIVERSITY	Thao Le	Family and Consumer Sciences	*Hawaii Adventure Camp for Military Youth	This program provides a 3-night, 4 day mindfulness-based adventure camp for 160 military youth from Hawaii and the Pacific Rim region. Goals include physical fitness, mental	1	99,017

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				fitness, and personal leadership.		
RHODE ISLAND, UNIVERSITY OF	Maria Chloe Haws	Pacific Aquaculture and Coastal Resources Ctr	Sustainable Costal Communities and Ecosystems(SUCCESS)		1	2,500
RUTGERS, STATE UNIVERSITY OF NEW JERSEY	Kenneth Morris	Pharmaceutical Sciences	UHH Outreach Partner Proposal for the NSF-ERC-SOPS		1	50,000
United States Air Force Academy	Katherine Young	Political Science (UH Hilo)	Visiting Faculty United States Air Force Academy		1	74,237
<b>Non-Research - Total</b>					<b>70</b>	<b>16,238,327</b>
<b>Overall - Total</b>					<b>160</b>	<b>34,289,745</b>

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

### Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Center for Korean Studies	CKS Educational Activities	Pay for honoraria and faculty overload.	1	512
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Thomas Katsuyoshi	Facilities Management	Clarence T.C. Ching Athletic complex (UHM 09-302)	Plans, design, and construction of new Clarence T.C. Ching Athletic Complex.	1	1,638,940
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	14,326
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Luoluo Hong	Vice Chancellor for Student Affairs	Dorrance Summer bridge Program Fund	Lecturers will develop curriculum for English 100 and Math 104F classes for Dorrance scholarship recipients. Tutors will provide subject-specific tutoring, academic skills development, and peer mentoring to the scholars	1	14,900
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Tung Bui	Shidler College of Business	English Language Training Capacity at Hanoi University	Strengthen English language pedagogy & capacity in Vietnam.	1	3,528
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Thomas Bingham	College of Arts and Humanities	Faculty Excellence Awards	To award faculty for various College of Arts and Humanities cash awards (Excellence in Teaching, Excellence in Research, Excellence in Scholarship, etc.)	1	1,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg Equity Model Expenditures	To pay for P-20 salary, fringe, and program costs.	1	50,167
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg P-3 Expenditures	To pay for P-20 salary, fringe and program costs.	1	295,825
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	55,000

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

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Michael P. Crosby	Vice Chancellor for Research	Will J. Reid Foundation Post-Doctoral Position for the Study of Marine Debris	UH Hilo is requesting that the Will J. Reid Foundation support a revolving two-year post-doctoral position for the conduct of marine debris research, teaching, and community outreach	1	193,000

**Research**

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Joseph DeFrank	Tropical Plant and Soil Science	Weed Control Protocols for Native Hawaiian Plant Establishment	The scope of this project will be to develop site preparation protocols that will provide for rapid soil cover, maximize the efficiency of weed control efforts and increase the success of hydromulching establishment efforts.	1	2,000
<b>Overall - Total</b>						<b>11</b>	<b>2,269,198</b>

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	4	165,002	1%
DHHS-Dept of Health and Human Services	12	6,640,405	37%
DOC-Dept of Commerce	3	376,494	2%
DOD-Department of Defense	6	1,650,019	9%
DOE-Dept of Energy	5	2,161,484	12%
DOI-Dept of Interior	7	234,836	1%
Hawaii- Business and Other	2	1,400,000	8%
Hawaii- Government Agencies	11	1,359,012	8%
Hawaii- Health Organizations	1	4,908	0%
Hawaii- Non-Profit Organizations	4	446,656	2%
Mainland- Business and Other	6	452,269	3%
Mainland- Health Organizations	1	69,734	0%
Mainland- Non-Profit Organizations	3	248,741	1%
National Aeronautics and Space Administration	8	886,666	5%
National Science Foundation	9	1,027,909	6%
US Colleges and Universities	8	927,283	5%
<b>Overall - Total</b>	<b>90</b>	<b>18,051,418</b>	<b>100%</b>

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	1	40,000	0%
DHHS-Dept of Health and Human Services	2	562,453	3%
DOC-Dept of Commerce	2	2,562,089	16%
DOD-Department of Defense	1	125,000	1%
DOI-Dept of Interior	2	110,730	1%
ED-Dept of Education	6	2,447,697	15%
Federal Agencies	4	721,620	4%
Foreign	3	69,308	0%
Hawaii- Dept of Education	5	761,500	5%
Hawaii- Government Agencies	16	5,485,967	34%
Hawaii- Health Organizations	2	39,672	0%
Hawaii- Non-Profit Organizations	11	2,300,698	14%
Mainland- Business and Other	4	282,053	2%
National Aeronautics and Space Administration	1	40,000	0%
National Science Foundation	6	463,786	3%
US Colleges and Universities	4	225,754	1%
<b>Overall - Total</b>	<b>70</b>	<b>16,238,327</b>	<b>100%</b>

**Year to Date Extramural Research Awards  
Jul 1, 2011 to May 31, 2012  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	44	8,390,707	4%
DHHS-Dept of Health and Human Services	81	44,831,193	20%
DOC-Dept of Commerce	57	19,315,922	9%
DOD-Department of Defense	76	45,714,061	21%
DOE-Dept of Energy	12	5,653,716	3%
DOI-Dept of Interior	44	4,480,135	2%
ED-Dept of Education	8	2,140,146	1%
Federal Agencies	12	3,485,607	2%
Foreign	15	1,043,981	0%
Hawaii- Business and Other	25	3,145,122	1%
Hawaii- Government Agencies	125	17,989,875	8%
Hawaii- Health Organizations	7	285,761	0%
Hawaii- Non-Profit Organizations	62	4,202,169	2%
Mainland- Business and Other	88	5,027,746	2%
Mainland- Health Organizations	14	1,111,336	1%
Mainland- Non-Profit Organizations	26	1,923,080	1%
Miscellaneous	1	158,121	0%
National Aeronautics and Space Administration	71	15,887,107	7%
National Science Foundation	93	26,736,695	12%
US Colleges and Universities	102	7,991,969	4%
<b>Overall - Total</b>	<b>963</b>	<b>219,514,449</b>	<b>100%</b>

**Year to Date Extramural Non-Research Awards  
Jul 1, 2011 to May 31, 2012  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	17	2,939,807	2%
Dept of State	1	9,250	0%
DHHS-Dept of Health and Human Services	32	9,575,961	6%
DOC-Dept of Commerce	13	6,467,110	4%
DOD-Department of Defense	12	2,733,445	2%
DOE-Dept of Energy	2	309,693	0%
DOI-Dept of Interior	13	476,522	0%
ED-Dept of Education	93	41,919,220	27%
Federal Agencies	10	30,712,112	20%
Foreign	28	5,924,867	4%
Hawaii- Business and Other	34	3,131,567	2%
Hawaii- Dept of Education	19	1,544,876	1%
Hawaii- Government Agencies	121	18,942,119	12%
Hawaii- Health Organizations	14	733,512	0%
Hawaii- Non-Profit Organizations	89	8,293,292	5%
Mainland- Business and Other	29	1,375,300	1%
Mainland- Health Organizations	3	56,810	0%
Mainland- Non-Profit Organizations	20	2,430,249	2%
National Aeronautics and Space Administration	8	1,105,551	1%
National Science Foundation	36	14,496,719	9%
US Colleges and Universities	41	2,342,997	2%
<b>Overall - Total</b>	<b>635</b>	<b>155,520,979</b>	<b>100%</b>