

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

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Michael john Melzer	Plant and Environmental Protection Sciences	The Citrus Clean Plant Network in Hawaii	<p>In Hawaii, despite the estimated 450-500 commercial citrus growers recognized by the State, there has been little effort to control graft-transmissible diseases of citrus from either an industry or state government standpoint. Much of this is due to a lack of information about these diseases and how they are spread, and the difficulty in obtaining clean propagative materials. This has led to widespread disease problems throughout most of the state, severely limiting the varieties of citrus that can be successfully grown at a commercial or hobbyist level. The recent introduction of the Asian citrus psyllid to Hawaii and the accompanying threat of huanglongbing (HLB) may even further diminish this once vibrant industry. As a citrus-producing state, Hawaii joined the National Clean Plant Network (NCPN) for citrus in 2011, effectively expanding this network for the first time beyond the continental USA. The purpose of this project is to establish a foundation block of clean citrus varieties important to Hawaii growers that will eventually be available to stakeholders in the citrus industry.</p> <p>The current proposal will result in an increased number of sanitized, pathogen-tested varieties being made available to the citrus industries, growers, and homeowners across and beyond the continental USA. The proposal will also result in more secure maintenance of pathogen-tested and quarantine items and in the longer term will result in normalization of sanitizing and testing protocols to</p>	1	71,280

DHHS-Dept of Health and Human Services

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED	Lishomwa Ndhlovu	Department of Tropical Medicine, Medical Micro and Pharm	Modulating Tim-3 to Control HIV Infection	Defining novel mechanisms of HIV-1-Induced Dysfunction of Natural Killer (NK) and CD8 T Cells.	1	33,447
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Patricia Susana Lorenzo	Natural Products	Ras Activation Pathways in UVR-Induced Epidermal Transformation	Investigate the participation of a Ras activator in UV radiation-induced skin tumorigenesis to validate a chemopreventive interventions in non-melanoma skin cancer.	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	2	27,950
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	4,038,951
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	200,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Eva-Marie Nosal	Department of Ocean and Resources Engineering	Improvements to Passive Acoustic Tracking Methods for Marine Mammal Monitoring	This project will develop, implement and test (on simulated and real data) several ideas that have the potential to improve the accuracy and efficiency of model-based passive acoustic tracking methods for marine mammals.	1	77,524
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	LEONIDAS: Low-Earth Orbit Nanosat- Integrated Defense Autonomous Systems	The LEONIDAS project will design, build, test, launch, and operate small spacecraft in low- Earth orbit	2	750,000

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DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Steven G Howell	Department of Oceanography	Connecting tropical marine cloud structures to boundary layer properties and the effect of sea state on whitecap coverage	<p>In recent ship and airborne experiments we found that mesoscale turbulent structures had a strong influence on boundary layer height and aerosol distribution through the marine boundary layer. These structures are often obvious in satellite photos as patterns of cloud streets or more widely separated dendrites. Wavelet analysis reveals a high coherence in these structures among a wide variety of meteorological and aerosol variables, including horizontal wind speed and humidity. We propose here a 3 year effort to examine these mesoscale circulation patterns and their influence on boundary layer structure in trade wind regimes using data from previous projects as well as new data to be gathered on the University of Hawaii ship R/V Kilo Moana. We will deploy a ceilometer and present weather sensor to monitor mixed layer depth and vertical distribution of seasalt aerosols. The ultimate goal is to relate cloud parameters from satellite images to mixed layer depth and vertical distribution of aerosols in the marine boundary layer. We also wish to examine one of the more poorly quantified parameters in wind-driven seasalt aerosol production. It has been observed that whitecaps and hence aerosol production can be suppressed when swell and wind are not going the same direction, but that effect has not been well studied. The environment around Hawaii is very well suited to examining the relationship between wind, swell, and whitecaps since long-period swell and the dominant winds are often orthogonal. The Kilo Moana has recently been outfitted with a simple sea state monitoring system and there are several buoys around the Hawaiian Islands that record sea state, so by operating whitecap monitoring cameras as the ship does its normal complement of cruises around Hawaii and elsewhere, we will be able to build up a database of sea state, winds, waves, and whitecaps. From this we hope to generate a set of parameterizations that can be used</p>	1	43,565

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				along with sophisticated swell and wind		
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Tim Li	Department of Meteorology	Initialization of Tropical Cyclone Structures for Operational Applications	To develop a tropical cyclone dynamic initialization scheme and apply the schemes in real-case forecast.	1	81,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Tim Li	International Pacific Research Center (IPRC)	Toward Seamless Weather-Climate Prediction with a Global Clopud-Resolving Capable Model	To systematically evaluate the GFDL-HIRAM capability in predicting both short range weather and long-term climate phenomena	1	40,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Zhengqing Yun	Hawaii Center for Advance Communications	Radio Propagation Modeling and Prediction in Complex Environments	Develop propagation modeling software package that achieves accurate, fast, and dynamic radio propagation prediction and help establish effective and reliable communications networks	1	32,000
DEFENSE, DEPT-NAVY POSTGRADUATE SCHOOL	Paul Nachtigall	Hawaii Institute of Marine Biology (HIMB)	Measuring Low Frequency Hearing Shifts in the Bottlenosed Dolphin		1	36,604

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	Sharon Ziegler	Pacific Aquaculture and Coastal Resources Ctr	Collaboration between PICCC and UHH to Support Climate Change Research	Collaborative agreement between PICCC and UHH to support climate change research projects, starting with a database manager position.	1	142,486

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
G. Srinivasan	H. Annamalai	International Pacific Research Center (IPRC)	Project Preparatory Tech. Assistance study to support Climate adaptation through sub-basin development program: Cauvery delta of Tamilnadu, India	<p>The proposal aims to assess the current climate variability and changes, and the future changes projected by CMIP3/5 models over the Cauvery delta of Tamil Nadu, India. Additionally, high-resolution regional climate model simulations will be examined. A particular focus will be to examine and quantify the level uncertainties in the future projections.</p> <p>The major findings of the proposed research will be used by a variety of climate applications projects. The total requested</p>	1	35,000

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				funding is \$35,000 that includes partial salary support for the PI and support for computer charges.		
MAX-PLANCK-GESELLSCHAFT ZUR FORDER	Colin Aspin	Institute for Astronomy	Max Planck Institute for Astrophysics Share of Collaborative Research with SNIFS and the University of Hawaii 2.2 Meter Telescope	To continue collaboration with the Nearby Supernova Factory in providing telescope time for the SNIFS instrument and recognize the involvement of a new partner, Max Planck Institute for Astrophysics.	1	252,000
Rachel Carson Center	Carol Kieko Matteson	History (UH Manoa)	Rachel Carson Center for Environment and Society Fellowship 2013	This is a six-month research and writing fellowship at the Rachel Carson Center for Environment and Society in Munich Germany, where I will be working on editing my book manuscript.	1	23,400

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Grove Farm Fish & Poi, LLC	Clyde Tamaru	Hawaii Institute of Marine Biology (HIMB)	Field Testing Net Cage Nursery Production Technology for Marine Finfish Species	The rationale for the proposed project is to use hatchery protocols already developed for the Pacific Threadfin, <i>Polydactylus sexfilis</i> , to generate sufficient numbers of moi fry to define and demonstrate pilot-scale nursery growout technologies that would be suitable for use when opakapaka fry or other species for that matter, become available in a commercial setting.	1	4,922
PAPA OLA LOKAHI	Joseph Keawe'aimoku Kaholokula	Native Hawaiian Center of Excellence	Major Goals of the project	Act as the Project Leader to oversee all aspects of the project, including working with Papa Ola Lokahi's Imi Hale Native Hawaiian Cancer Network, to conduct a 5-year (2010-2015) randomized control trial (RCT) titled PILI@Work (this form covers Year 1 of five years).	1	266,271

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-HI CIVIL DEFENSE	James Gaines	Pacific Disaster Center	Hawai`i Hazards Awareness and Resilience Program (HHARP)	The purpose of this MOA is to define the public outreach project, Hawaii Hazards Awareness and Resilience Program (HHARP). UH/PDC, in coordination with HSCD, is to	1	82,000

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				develop an informational multi-hazard awareness and preparedness program with Hawaii specific materials, aka HHARP.		
DEFENSE, DEPT-HI CIVIL DEFENSE	James Gaines	Pacific Disaster Center	Hawaii Hazus Atlas (HHA)	The purpose of this MOA is to provide for the upgrade of the Hawaii Hazus Atlas (HHA) intended to support HSCDs earthquake mitigation and response efforts.	1	35,000
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	380,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Forestry Management Section Liaison	Conduct research and development for forest and watershed management plans, mainly in office on Oahu.	1	54,444
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	GIS Research on State Forest Lands	Work cooperatively with DLNR on GIS mapping of forest fire response and development of a state forestry plan.	1	55,064
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Hawaiian Ecosystems: Management and Education: Koolau Watershed	Monitor game check stations and run transects in native forest areas to determine impacts of pigs and axis deer in the Koolau Watershed in Maui.	1	60,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Implementation of the Statewide Wildlife Action Plan: Hawaii Island	Implement site- and species-specific recovery management plans for endangered native birds on the Big Island.	1	124,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserves Management: Maui	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	89,308
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Pacific Cooperative Studies Unit	Natural Area Reserves Management: Hawaii Island	Protect and manage unique species and ecosystems on the Island of Hawaii.	1	222,720
LAND & NATURAL RESOURCES, DEPT (DLNR)	Janice Uchida	Plant and Environmental Protection Sciences	Host range testing and molecular analysis of the rust disease Puccinia psidii Winter	This project will help confirm that only one strain of Puccinia psidii exists in Hawaii by carrying out molecular analyses of DNA extracted from disease material collected from different hosts in different locations and by inoculating a set of host species with variable susceptibility.	1	37,000

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LAND & NATURAL RESOURCES, DEPT (DLNR) KAULULANI GR PGM	Andrew Kaufman	Tropical Plant and Soil Science	Deflecting the Wave: Using Coastal Vegetation to Mitigate Tsunami and Storm Surge Phase III	This proposal will test several hypotheses leading to the reconstruction of such a forest using primarily native and Polynesian introduced species while quantifying the ecosystem services provided by the existing invasive species dominated coastal forests.	1	75,000

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii Pacific Health	Cheryl Lynn Albright	Department of Nursing	Reducing Obesity in Survivors of Childhood Cancer Using an Electronic Medical Record-Facilitated Clinical Management Program		1	32,877
QUEEN'S HOSPITAL MEDICAL CENTER	Deborah Goebert	Department of Psychiatry	Prototype Academic Medical Department Model for Behavioral Health Research	To accelerate the quantity and quality of health-related behavioral health research in Hawaii and improve quality of care for patients at QMC and in Hawaii, through translational research.	1	476,679

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
FRIENDS OF WAIKIKI AQUARIUM	Celia M. Smith	Department of Botany	Removal of Invasive Algae from Waikiki and Replanting Natives	Quarterly cleanups of three invasive alien algae will be run, removing biomass by hand and composting biomass with a new partner, the Honolulu Zoo. Replanting activities will test ideas for the scale and techniques necessary to restore the coastal reef flat to a more natural species assemblage.	1	8,000
TRI-ISLE RES CONSERVATION & DEV COUNCIL	David Duffy	Department of Botany	Lanai Hawaiian Petrel and Newell's Shearwater Restoration	Research and monitor endangered seabirds on Lanai.	1	152,250
UNIVERSITY HAWAII FOUNDATION	Marcus Tius	Natural Products	Total Synthesis	To include but not limited to determine whether organic synthesis can provide milligram quantities of a scarce marine natural product that was recently isolated from a sponge, and that has exhibited activity in cell culture against a refractory pancreatic tumor cell line (ORS agreement with UHF).	1	50,000

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UNIVERSITY HAWAII FOUNDATION	Sandi Kwee	Natural Products	Liver Cancer Detection Using Tumor DNA Isolated from the Blood	This study will determine if changes in the quantity and composition of ctDNA isolated from patient blood samples predicts post-treatment response and disease progression of hepatocellular carcinoma.	1	50,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PracticeWise LLC	Charmaine Higa Mcmillan	Psychology (UH Hilo)	Distance Learning for Paraprofessionals in Evidence-Based Mental Health Treatment for Youth (Practicewise Non-Competitive Contract)	The availability of the best evidence-supported mental health treatments for youth is severely limited by the intensive, expensive nature of the provider training programs for these treatments, especially for rural, underserved populations and because provider training programs often target professionals with graduate degrees. The proposed work aims to enhance the affordability and accessibility of these evidence-based programs by developing an online training program for mental health paraprofessionals to be integrated with the Managing and Adapting Practice (MAP) system, a program developed by PracticeWise, LLC. The MAP is designed to improve the quality, efficiency, and outcomes of childrens mental health services by giving clinicians easy access to the most current scientific information and by providing user-friendly measurement tools and clinical protocols. Using an online database, the system can suggest formal evidence-based programs or, alternatively, can provide detailed recommendations about discrete components of evidence-based treatments relevant to a specific youths characteristics. Whether services are delivered through existing evidence-based programs or assembled from components, the MAP system also adds a unifying evaluation framework to track outcomes and practices. The PI will (1) provide leadership and liaison to University partners of PracticeWise (e.g., the University of California, Los Angeles; University of Maryland,	1	11,583

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				Baltimore) regarding the training, use, and research/evaluation of common elements skills by behavioral health professionals and paraprofessionals; (2) assist in the development and revision of training materials related to PracticeWise systems and services, including but not limited to production of Practitioner Guides, rationale appropriate for paraprofessionals, video of voice over slides for training, knowledge tests, and train-the-trainer process and guides; and (3) provide consultation or training services via telephone		
SPACE TELESCOPE SCIENCE INSTITUTE	Fabio Bresolin	Institute for Astronomy	A Precise Calibration of the Zero Point of the Cosmic Distance Scale from Late-type Eclipsing Binaries in the LMC	We propose to obtain UBV _I photometry with Hubble Space Telescope and the Wide-Field Camera-3 for a small subset of our eclipsing binary system	1	34,001
SPACE TELESCOPE SCIENCE INSTITUTE	Harald Ebeling	Institute for Astronomy	A Snapshot Survey of The Most Massive Clusters of Galaxies	We propose the continuation of our highly successful ACS+WFC3 SNAPshot survey of a sample of 125 very X-ray luminous clusters in the redshift range 0.3-0.7, detected and compiled by the MACS cluster survey. As demonstrated by ACS/WFC3 SNAPshots of 63 MACS clusters obtained by us in previous Cycles (14 of them in all of F606W, F814W, F110W, and F140W), dedicated HST observations of the 12 most distant MACS clusters (GO-09722), and the CLASH MCT programme, these systems are highly efficient gravitational lenses as well as ideal targets for studies of galaxy evolution in dense environments.	1	178,833
SPACE TELESCOPE SCIENCE INSTITUTE	R Tully	Institute for Astronomy	The Near Edge of Infall into the Virgo Cluster	A revised budget submission of Space Telescope Science Institute Cycle 20 Proposal. The original budget submission was made in July 2011.	1	40,703

Mainland- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUTCHINSON (FRED)	Loic Le	Cancer Etiology	Colorectal Cancer Genome-Wide	Using the Multiethnic Cohort Study Caucasian	1	120,498

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CANCER RESRCH CTR	Marchand		Association Studies Consortium	samples, this study proposes to collaborate with the Colorectal Cancer GWAS Consortium to replicate the associations found with genetic variants in other ongoing whole genome-wide association studies.		

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Forsyth Institute	Claudio Nigg	Dept of Public Health Sciences and Epidemiology	Integrating Social, Behavioral, & Preventative Sciences to Reduce Children's Caries	This is a pilot project to develop the protocol and manual of operations for a subsequent U01 submission. The pilot looks at combining social networking with behavioral intervention to improve oral health in children in elementary after-school programs in Hawaii.	1	67,859

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Alan Tokunaga	Institute for Astronomy	The NASA Infrared Telescope Facility: Mission Support and Solar System Observations	We propose to provide NASA with observations and research data aimed at providing support of spacecraft missions and basic research in support of the Planetary Astronomy program.	2	1,237,889
NATIONAL AERONAUT & SPACE ADM	Daniel O'gara	Institute for Astronomy	NNG11383774-3M Satellite Laser Ranging Support Services for the Transportable Laser Ranging System (TLRS-4) Haleakala, Maui	Support services, maintenance and calibration of the TLRS-4 system on Haleakala Summit, Maui.	1	250,000
NATIONAL AERONAUT & SPACE ADM	Michael Fuller	Hawaii Institute of Geophysics and Planetology (HIGP)	Lunar Paleomagnetism	Investigation of magnetism of lunar samples to determine whether there is a lunar core.	1	156,026
NATIONAL AERONAUT & SPACE ADM	Peter Gorham	Department of Physics and Astronomy	Antarctic Impulsive Transient Antenna: A Suborbital Ultra-High Energy Particle Telescope	ANITA3:employ an array of up to 48 ultra-wide band, dual polarization horn antennas, arrayed to view the entire ice sheet below it, & triggering on any detectable impulsive radio signal. Neutrino discovery potential will be enhanced by a factor of 2 or more above ANITA2.	1	300,000

US Colleges and Universities

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ARIZONA, UNIVERSITY OF	Donald Hall	Institute for Astronomy	ASIC Development Testing for the James Webb Space Telescope	To continue the performance of application specific integrated circuit development testing for space telescopes	1	25,000
ARIZONA, UNIVERSITY OF	Klaus Hodapp	Institute for Astronomy	JWST Near Infrared Camera Co-Investigator Support	Develop an observational program using JWST to address a broad spectrum of scientific issues, advising the NIRCam PI and developing required data analysis	1	100,000
CALIFORNIA DAVIS, UNIVERSITY OF	Qing Xiao Li	Molecular Biosciences and Bioengineering	Rapid Assays to Assess Human Exposure to Pesticides	We will quantify pesticide exposure in agricultural workers who are employed to chase birds from seed corn fields.	1	53,694

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MARYLAND, UNIVERSITY OF	Carol Jo Boushey	Cancer Etiology	Domoic Acid Neurotoxicity in Native Americans	Over the past 30 years there has been a dramatic increase in the number of harmful algal blooms (HAB's) in coastal waters throughout the world. As a result, there are more toxic algal species, more algal toxins and more geographic areas impacted than ever before. When these toxic species proliferate, they may cause massive kills of fish and shellfish, wildlife mortality, human illness and death. One of these marine organisms, pseudo-nitzchia produces a neurotoxin, Domoic Acid (DA). Most of what we know about the human health effects of Domoic Acid has been derived from a single documented outbreak in Montreal Canada in 1987. Persons who ate mussels with high levels of DA suffered serious medical illnesses, including seizures and coma, and 3 people died. Survivors were left with a profound memory disorder, Amnesic Shellfish poisoning (ASP). Based upon animal models, regulatory levels of DA in shellfish were established. Within the past 17 years, DA levels have been close to or exceeded these safety levels at razor clam harvesting beaches on Native American Reservations in the Pacific NW. Recent data indicate that this population is currently at risk for significant, but preventable, neurobehavioral impairment (ASP) from razor clam consumption, with memory problems ranging from the low average to amnesic range. There appears to be a dose- response relationship between exposure and memory problems and the base rate of persons meeting the criteria for severe memory impairment, or	1	122,000
MARYLAND, UNIVERSITY OF	Koon-hui Wang	College of Tropical Agriculture and Human Resources	The Influence of Cover Crops and Tillage on Soil Quality, Greenhouse Gas Emissions, Pest Community Dynamics, and Economics of Fields Transitioning to	Impacts of cover crops and tillage on soil health, weeds, and C emission.	1	99,260

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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	45,150
UTAH STATE UNIVERSITY	Leyla Valdivia Kaufman	College of Tropical Agriculture and Human Resources	Developing Sustainable Pest Control Practices Against Major Pests in Papaya in Hawaii	Results of this project will provide management strategies to control main papaya pests by using petroleum oils, kaolin clay and cover crops.	1	70,644
Research - Total					57	11,091,382

Non-Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Clyde M. Sakamoto	Chancellor, UH Maui College	UH Maui College Food Innovation Center Rural Business Incubator Feasibility Study	The purpose of this grant is to fund a comprehensive feasibility study for the UHMC Food Innovation Center, which will result in the first dedicated food business incubation program in the State of Hawaii.	1	49,970

ED-Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Mary Jo Noonan	Department of Special Education	Pacific Region Special Education Leadership Training Project	This training grant will prepare six doctoral scholars with expertise in evidence-based practices, universal design for learning, multiculturalism, and distance personnel preparation. They will have the necessary expertise to prepare special education teachers for high-need areas in Hawaii and the Pacific region.	1	299,998

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
J.F. Oberlin University	Yumiko Tateyama	Department of East Asian Languages and Literature	Japanese Language Teaching Practicum for Obirin University	Under the principal investigator's supervision, the participants in the program will develop lesson plans, instructional/assessment	0	-368

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				materials, and teach Japanese. They will also participate in seminar discussions, observe Japanese classes, and write reports.		
JAPAN FOUNDATION	Lonny Carlile	Center for Japanese Studies	Indigeneity in Japan - Ainu and Okinawan Identity in Historical and Contemporary Context		1	36,000

Hawaii- Business and Other

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ALU LIKE INC	Gleniss Ka'iulani Akamine	Chancellor, Honolulu Community College	Alu Like, Inc., Native Hawaiian Career Technical Education Program - Poina Nalu	To increase the enrollment, retention and completion of Native Hawaiians in career technical education programs.	1	307,999
PAPA OLA LOKAHI	Kathryn L Braun	Dept of Public Health Sciences and Epidemiology	Imi Hale Research Administration	<p>Native Hawaiians have the highest cancer mortality rates in their own homeland and one of the highest nationally. The overall goal of this project is to reduce cancer health disparities experienced by Native Hawaiians by maintaining and expanding Imi Hale Native Hawaiian Cancer Network, an infrastructure in support of the following goals:</p> <p>Goal 1: Facilitate an increase in knowledge of, access to, and use of beneficial biomedical procedures in the prevention and control of cancer and co-morbid conditions that often present in cancer patients (e.g., heart disease, diabetes, stroke, depression, stress, trauma, neuropathies, mucositis, and changes in cognition and dementia).</p> <p>Goal 2: Develop evidence-based intervention research to increase use of beneficial biomedical procedures to control cancer and co-morbid conditions.</p> <p>Goal 3: Train and promote the development of a critical mass of competitive researchers using community-base participatory research (CBPR) methods to reduce health disparities.</p>	1	111,634

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COUNTY MAUI	Clyde M. Sakamoto	Cooperative Education	County of Maui-UH Maui College Cooperative Education Partnership Grant	MAUI COUNTY COOPERATIVE EDUCATION PARTNERSHIP GRANT TO ALLOW UHMC STUDENTS TO OBTAIN INTERNSHIP EXPERIENCE AT MAUI COUNTY	1	50,000
COUNTY MAUI PLANNING DEPT	Tara Owens	Sea Grant College Program	Maui County Coastal Hazards Extension Program	To provide sound technical advice to the county on shoreline development, beach preservation and restoration, coastal hazard mitigation options, coastal erosion response, climate change including potential sea-level rise impacts, and other coastal processes-related issues.	1	78,246
Governor, Office of - State of Hawaii	Cathy Wiltse	Hawaii Small Business Development Center	Kauai Philippine Cultural Center Feasibility Study	Prepare a feasibility report for the proposed construction of a cultural center and a repository for documents and items reflecting the past history of Filipinos on Kauai. This study would include a review of summary conclusions related to each of the feasibility study areas.	1	30,000
Hawaii Health Systems Corporation	Norman Okamura	Social Science Research Institute	Intergovernmental Cooperative Agreement between the Hawaii Health Systems Corporation and the University of Hawai'i TASI	Intergovernmental Cooperative Agreement between the Hawaii Health Systems Corporation and the University of Hawai'i concerning the State Telehealth Access Network ("STAN") as a shared, collaborative network to improve research, and lessen healthcare costs through the use of Health Information Technology ("HIT") on behalf of the Telecommunications and Social Informatics Research Program.	1	777,479
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	7,401
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Errol Yudko	Psychology (UH Hilo)	Lanakila Learning Center	The Lanakila Learning Center is an alternative learning center servicing 12-24 high school students of predominantly Native Hawaiian ancestry. The program helps to develop the students across six domains: academic, career, personal, family, the enrichment of culture and recreation.	1	115,001

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	70,000
LAND & NATURAL RES, DPT-AQUAT (DLNR)	Denise Antolini	William S. Richardson School of Law	Continuation of DLNR Marine Law Fellowship	The "Continuation of the DLNR Marine Law Fellowship" will support a one-year extension of a post-JD position at DLNR (DAR-DOCARE), focusing on marine/coral reef protection laws and enforcement, in partnership with the Law School and the Attorney General's Office.	1	89,052
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Control of Little Fire and Emerging Pest Ant Species in Hawaii	Eradicate Little Fire Ants from Kailua-Kona, Maui, and Kauai, and provide training and education to businesses, homeowners and invasive species groups.	1	69,795
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Wao Kele o Puna Forest Reserve Coordinator	Survey and control invasive species in the forest reserve of Wao Kele o Puna on the island of Hawaii.	1	210,000
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Oahu Trail Monitoring, Maintenance and Outreach	The objective of this project is to provide public outreach, trail monitoring, volunteer coordination as well as continue standard maintenance on Oahus public hiking trails, roads and management areas in a manner consistent with Division of Forestry and Wildlife (DOFAWs) statewide trail and access program.	1	80,000
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Trail Access and Management - Maui	The objective of this project is to provide public outreach, trail monitoring, volunteer coordination as well as continue standard maintenance on Mauis public hiking trails, roads and management areas in a manner consistent with Division of Forestry and Wildlife (DOFAWs) statewide trail and access program.	1	72,045
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Trail and Access Program - Kauai	The objective of this project is to provide public outreach, trail monitoring, volunteer coordination as well as continue standard maintenance on Kauais public hiking trails, roads and management areas in a manner consistent with Division of Forestry and Wildlife (DOFAWs) statewide trail and access program.	1	40,025

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TRANSPORTATION, DEPT-HI	Karl Kim	Urban and Regional Planning	State of Hawaii Vehicle Occupant Protection Studies	Observational studies of seat belt, child restraint, helmet and truck bed use. Also, observational study examining the use of handheld cellular phone use by drivers. The project will conduct a night time seat belt observation study to determine if there is a significant difference between day time and night time belt use.	1	100,000

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
QUEEN'S HOSPITAL MEDICAL CENTER	Jamie Kamilani Boyd	Chancellor, Windward Community College	Native Hawaiian Preparatory Pathway to Nurse Training	To provide career-focused, culturally-based education in a CNA to LPN to RN Pathway	1	50,000
WAIANAEO COAST COMPREHENSIVE HEALTH CTR	Ronny T Umehira	Chancellor, Leeward Community College	Waianae Health Academy - OLA LOA KA NA`AUAO	Whereas, the WCCHC requires instructors and lecturers for its community based programs at the Wai`anae Health Academy, now therefore, shall it be hereby agreed that the SUB-CONTRACTOR will provide vocational career classes, student support services, tutoring, testing, academic counseling and other educational and academic services and activities that will support the project as follows: see contract	1	57,379

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GENERAL CONTRACTORS ASSOC HI EDUCATIONAL FOUNDATION	Clark E Llewellyn	School of Architecture	Construction Management Program	To support the bachelor's degree in the interdisciplinary arts with emphasis in construction management program at the School of Architecture.	1	685
HAUOLI MAU LOA FOUNDATION	Sharon K. Ziegler	Vice Chancellor for Research	Hau`oli Mau Loa: PIPES Support	Grant support for Pacific Island Programs for Exploring Science (PIPES) Internship program.	1	100,000
Hawai'i Lodging and Tourism Association, Kaua'i Chapter	Helen Cox	Chancellor, Kauai Community College	Aquaponics Spawning Tank Procurement	The funds are to be used to purchase the spawning tank, as well as installation.	1	3,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii Commission for Natl and Community Service	Steven Brown	Center on Disability Studies/University Affiliated Pgms	Inclusion Advancement: Creating a Welcoming Environment for All: Opening Doors to People with Disabilities in National Service (IA)	CDS will provide necessary personnel, equipment, facilities, and supplies to perform activities for project.	1	6,000
PAC RESOURCES FOR ED & LEARNING (PREL)	Charles Fletcher	Department of Geology and Geophysics	Pacific Islands Climate Change Education Partnership	Project involves incorporating climate change science in U.S. affiliated pacific islands curricula.	1	18,500
UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	General Support of the William S School of Law	Process payment for Law School UHF account with payroll and tax implications.	1	96,255
UNIVERSITY HAWAII FOUNDATION	Edward J. Shultz	School of Pacific and Asian Studies	SPAS Northeast Asia Projects	Funds will be used to sponsor projects, conferences and research on topics related to Northeast Asia.	1	100,000
UNIVERSITY HAWAII FOUNDATION	Frederick Lau	Center for Chinese Studies	Confucius Institute Support	Provides salaries and fringe benefits for Confucius Institute support personnel, and miscellaneous office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius Institute programs and activities.	1	60,000
UNIVERSITY HAWAII FOUNDATION	James Weir	School of Pacific and Asian Studies	Muslim Societies of Asia and the Pacific	Muslim Societies in Asia and the Pacific is an educational resource center for information, literature and dialogue on the diverse Muslims communities of Asia and the Pacific. Funds requested allow us to do public outreach in the Hawaii community, maintain a website and create newsletters.	1	3,000
UNIVERSITY HAWAII FOUNDATION	John Morton	Office of the Vice President for Community Colleges	KRESGE SYSTEM REVERSE TRANSFER PROJECT	All students who transfer from the UHCCs and are close to graduating from the 4 year campuses should be eligible for an associate degree because the core courses required for a 4 year degree also satisfy the requirements for an associate degree. Accordingly, the UH system has implemented a pilot process to identify students who qualify for reverse transfer across all 10 UH colleges.	1	233,475
UNIVERSITY HAWAII FOUNDATION	Mary G Boland	School of Nursing and Dental Hygiene	Hawaii Nursing Simulation Center (UH Translational Health Science Simulation Center)	Personnel salaries and fringe for the UH Translational Health Science Simulation Center	1	350,684

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Mary G. McDonald	Center for Japanese Studies	Sen Soshitsu Student/Staff Support	To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.	1	7,000
UNIVERSITY HAWAII FOUNDATION	May Okihiro	Department of Pediatrics	The Hawaii Initiative for Childhood Obesity Research and Education (HICORE)	HICORE provides a collaborative multi-disciplinary leadership effort in research and education on childhood/adolescent obesity in Hawaii. It brings together individuals, community, and organizations to understand and address this epidemic among the most vulnerable of Hawaii children and families.	1	114,905
UNIVERSITY HAWAII FOUNDATION	Richard Frank Stewart	Department of English	Manoa Journal	Funds for staff salary and fringe benefits.	1	10,000
UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Center for Korean Studies	Basic Institutional Needs	Pay for student hourly wages.	1	15,000
UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Department of East Asian Languages and Literature	Gendered Landscapes: Short Fiction by Modern and Contemporary Korean Women Writers	Pay for editorial assistant student salary.	1	200

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
SCIENCE APPLICATIONS INTERNATIONAL CORP	Cathy Wiltse	Hawaii Small Business Development Center	SAIC - Mentor Protege with International Underwater Explorations	The purpose of the SAIC-IUE Mentor Protege Program is to provide developmental assistance to support both organizations. This vision has been agreed upon by program staff, mentors and proteges which is the underlying foundation that guides the work of the program.	1	9,800

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Koch (Charles G.) Foundation	David L Hammes	Economics	Summer 2013 ECON 394/WI: Seminar on The Foundations of Money, Central Banks, and Monetary Policy	This course covers topics including what is money, why do we use it, is there an optimum quantity of money. Public money and private money; costs and benefits; inflation, deflation, interest rates, and the purchasing power of money. Classical and modern treatments are covered. Theoretical and pragmatic policy practice and goals.	1	7,500

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

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA LOS ANGELES, UNIV	Ibrahim G. Aoude	Ethnic Studies	UCLA Hawaii Travel Study Program	<p>The UCLA Hawaii Travel Study Program, sponsored by the UCLA International Education Office and Department of Asian American Studies, offers UCLA students a 5-week program for the critical examination of race, ethnicity, history, gender, sexuality, and U.S. empire in the context of Hawaiian Islands. The program will take place at the University of Hawaii at Mānoa during the period June 30, 2012 to August 4, 2012. The UCLA Hawaii Travel Study program seeks to broaden student understandings of Hawaii and the Pacific through field visits, civic engagement/service learning, and classroom discussion. As a co-sponsor of this summer program, the Ethnic Studies Department at the University of Hawaii will:</p> <ol style="list-style-type: none"> 1. Provide instruction in the following courses: <ol style="list-style-type: none"> a. ES 301: Ethnic Identity b. ES 380: Field Work in Ethnic Studies c. ES 486: Peoples of Hawaii 2. Coordinate events and field excursions for the summer program. 3. Provide programmatic and administrative support. 4. Coordinate participation in Service Learning at the following sites: <ol style="list-style-type: none"> a. The Malama i na Ahupuaa Program b. No Mo' Haus' (homeless)/Next Step Program 	1	16,875
CALIFORNIA SAN DIEGO, UNIV	Daniel Brown	Vice Chancellor for Research	Supplement to Beacon: Subaward from UCSD		1	713,370
Non-Research - Total					41	4,567,905
Overall - Total					98	15,659,287

Funds Received from UH Foundation for Nov 1, 2012 to Nov 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	Yung-Hee Kim	Center for Korean Studies	Basic Institutional Needs	Pay for student hourly wages.	1	15,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Frederick Lau	Center for Chinese Studies	Confucius Institute Support	Provides salaries and fringe benefits for Confucius Institute support personnel, and miscellaneous office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius Institute programs and activities.	1	60,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Department of East Asian Languages and Literature	Gendered Landscapes: Short Fiction by Modern and Contemporary Korean Women Writers	Pay for editorial assistant student salary.	1	200
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	General Support of the William S School of Law	Process payment for Law School UHF account with payroll and tax implications.	1	96,255
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Mary G Boland	School of Nursing and Dental Hygiene	Hawaii Nursing Simulation Center (UH Translational Health Science Simulation Center)	Personnel salaries and fringe for the UH Translational Health Science Simulation Center	1	350,684
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	John Morton	Office of the Vice President for Community Colleges	KRESGE SYSTEM REVERSE TRANSFER PROJECT	All students who transfer from the UHCCs and are close to graduating from the 4 year campuses should be eligible for an associate degree because the core courses required for a 4 year degree also satisfy the requirements for an associate degree. Accordingly, the UH system has implemented a pilot process to identify students who qualify for reverse transfer across all 10 UH colleges.	1	233,475
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Richard Frank Stewart	Department of English	Manoa Journal	Funds for staff salary and fringe benefits.	1	10,000

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

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	James Weir	School of Pacific and Asian Studies	Muslim Societies of Asia and the Pacific	Muslim Societies in Asia and the Pacific is an educational resource center for information, literature and dialogue on the diverse Muslims communities of Asia and the Pacific. Funds requested allow us to do public outreach in the Hawaii community, maintain a website and create newsletters.	1	3,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Mary G. McDonald	Center for Japanese Studies	Sen Soshitsu Student/Staff Support	To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.	1	7,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Edward J. Shultz	School of Pacific and Asian Studies	SPAS Northeast Asia Projects	Funds will be used to sponsor projects, conferences and research on topics related to Northeast Asia.	1	100,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	May Okihiro	Department of Pediatrics	The Hawaii Initiative for Childhood Obesity Research and Education (HICORE)	HICORE provides a collaborative multi-disciplinary leadership effort in research and education on childhood/adolescent obesity in Hawaii. It brings together individuals, community, and organizations to understand and address this epidemic among the most vulnerable of Hawaii children and families.	1	114,905

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Sandi Kwee	Natural Products	Liver Cancer Detection Using Tumor DNA Isolated from the Blood	This study will determine if changes in the quantity and composition of ctDNA isolated from patient blood samples predicts post-treatment response and disease progression of hepatocellular carcinoma.	1	50,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Marcus Tius	Natural Products	Total Synthesis	To include but not limited to determine whether organic synthesis can provide milligram quantities of a scarce marine natural product that was recently isolated from a sponge, and that has exhibited activity in cell culture against a refractory pancreatic tumor cell line (ORS agreement with UHF).	1	50,000
Overall - Total						13	1,090,519

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	1	71,280	1%
DHHS-Dept of Health and Human Services	2	70,947	1%
DOD-Department of Defense	13	5,327,594	48%
DOI-Dept of Interior	1	142,486	1%
Foreign	3	310,400	3%
Hawaii- Business and Other	2	271,193	2%
Hawaii- Government Agencies	11	1,214,536	11%
Hawaii- Health Organizations	2	509,556	5%
Hawaii- Non-Profit Organizations	4	260,250	2%
Mainland- Business and Other	4	265,120	2%
Mainland- Health Organizations	1	120,498	1%
Mainland- Non-Profit Organizations	1	67,859	1%
National Aeronautics and Space Administration	5	1,943,915	18%
US Colleges and Universities	7	515,748	5%
Overall - Total	57	11,091,382	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	1	49,970	1%
ED-Dept of Education	1	299,998	7%
Federal Agencies	0	0	0%
Foreign	1	35,632	1%
Hawaii- Business and Other	2	419,633	9%
Hawaii- Government Agencies	14	1,789,044	39%
Hawaii- Health Organizations	2	107,379	2%
Hawaii- Non-Profit Organizations	16	1,118,704	24%
Mainland- Business and Other	1	9,800	0%
Mainland- Non-Profit Organizations	1	7,500	0%
US Colleges and Universities	2	730,245	16%
Overall - Total	41	4,567,905	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	22	2,480,502	2%
Dept of State	1	1,222,050	1%
DHHS-Dept of Health and Human Services	47	31,142,128	27%
DOC-Dept of Commerce	49	15,455,172	13%
DOD-Department of Defense	34	12,137,142	10%
DOE-Dept of Energy	5	4,421,014	4%
DOI-Dept of Interior	38	4,185,843	4%
ED-Dept of Education	4	1,348,081	1%
Federal Agencies	2	363,398	0%
Foreign	10	1,154,414	1%
Hawaii- Business and Other	16	1,049,750	1%
Hawaii- Government Agencies	58	10,443,877	9%
Hawaii- Health Organizations	5	797,933	1%
Hawaii- Non-Profit Organizations	28	2,795,816	2%
Mainland- Business and Other	29	2,267,604	2%
Mainland- Health Organizations	5	464,069	0%
Mainland- Non-Profit Organizations	12	906,094	1%
National Aeronautics and Space Administration	29	6,180,840	5%
National Science Foundation	46	12,154,975	10%
US Colleges and Universities	46	4,912,863	4%
Overall - Total	486	115,883,565	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	14	2,713,736	2%
DHHS-Dept of Health and Human Services	22	9,975,707	9%
DOC-Dept of Commerce	10	3,229,112	3%
DOD-Department of Defense	6	1,844,068	2%
DOI-Dept of Interior	9	255,833	0%
DOT-Dept of Transportation	1	124,784	0%
ED-Dept of Education	56	25,962,018	22%
Federal Agencies	11	15,679,743	13%
Foreign	16	3,115,112	3%
Hawaii- Business and Other	14	1,253,862	1%
Hawaii- Dept of Education	2	3,415,612	3%
Hawaii- Government Agencies	85	15,274,811	13%
Hawaii- Health Organizations	32	11,532,943	10%
Hawaii- Non-Profit Organizations	57	2,833,135	2%
Mainland- Business and Other	16	787,396	1%
Mainland- Health Organizations	1	18,750	0%
Mainland- Non-Profit Organizations	11	3,786,239	3%
National Aeronautics and Space Administration	4	1,348,848	1%
National Science Foundation	20	11,701,490	10%
US Colleges and Universities	17	2,372,728	2%
Overall - Total	404	117,225,927	100%