

Gift, Grants, and Contracts for Oct 1, 2012 to Oct 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	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Development of the Hawaii Pacific Basin Alliance Center for Insect Control (PBACIC) Through Research Partnership with the University of Hawaii, Manoa	This work plan embodies a proposed cooperative agreement between the College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, and the Center for Plant Health, Science and Technology of the United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine. The agreement will promote collaborative efforts in enhancing current and developing new fruit fly control strategies and advancing novel approaches toward achieving acceptable quarantine security, such as systems approach, to increase export of Hawaii's agricultural commodities. Other insect pests may also be addressed, as funding allows.	1	280,000
Agriculture, Dept - Animal and Plant Health Inspection Service	Susan Jarvi	Pharmaceutical Sciences	Evaluation of a vaccine for rat lung-worm (<i>Angiostrongylus cantonesis</i>)		1	33,550
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Daniel Rubinoff	Plant and Environmental Protection Sciences	Development of Diagnostic Resources to Support Fruit Fly Exclusion and Eradication	This Work Plan reflects a cooperative relationship between the University of Hawaii Manoa and the United States Department of Agriculture (USDA) Agricultural Research Service (ARS) Pacific Basin Agricultural Research Center (PBARC) (the Cooperators). It outlines the mission-related goals, objectives, and anticipated accomplishments as well as the approach for conducting research to develop and implement biological and molecular tools for the identification of pest fruit fly species, and the related roles and responsibilities of the parties [e.g., mutual roles, Cooperator role(s)] as negotiated.	1	311,700

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Alvin Huang	Human Nutrition, Food and Animal Sciences	Enhance three Hawaii vegetable products for US Mainland markets	Three vegetable products have been selected to improve their packaging and shipping methods from Hawaii to US Mainland. All three have been approved by APHIS for exporting. This concerted effort will help market Hawaii agricultural products to mainland supply chains and specialty outlets.	1	28,100

Dept of State

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
STATE, DEPT-US AGENCY INTL DEV-FED USAID	James Gaines	Pacific Disaster Center	Flood Modeling and Early Warning Capacity Development Project - Phase II (FEW2) in Vietnam	The Research Project aims to enhance the disaster management capabilities of the Vietnam government through a web-based flood and storm early warning and decision support system (EW DSS). The Research Project is a follow-up to the EWDSS pilot project (2010-2011) sponsored and overseen by the U.S. Trade Development Agency/Ministry of Agriculture and Rural Development, which successfully launched and demonstrated a customized EW DSS, called VinAWARE, for central-level decision makers in Hanoi and provincial-level flood managers in the central region of Vietnam.	1	1,222,050

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HLTH CARE RES & QUALITY	Tetine Sentell	Office of Public Health Studies	Hospital Quality Reports for Expectant Mothers: Considering Race and Language	This study will improve the science of consumer reporting of public hospital quality information by describing how individuals from diverse racial/ethnic groups and those with limited English proficiency use maternity-focused hospital quality information, what they value and understand from existing public reports on this topic, and whether additional information or presentation features might encourage higher use. We will use this information to design and test a personalized, consumer-focused website with the goal of improving the use of public hospital quality reports for pregnant women	1	90,978

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				across diverse racial/ethnic and linguistic groups.		
HEALTH & HUMAN SVC, DEPT-NIH-FED	Linda Connelly	Pharmaceutical Sciences	Osteoprotegerin in breast cancer cells: role in tumor growth and metastasis		1	410,100
HEALTH & HUMAN SVC, DEPT-NIH-FED	Lynnae Karen Sauvage	Department of Obstetrics, Gynecology and Women's Health	National Children's Study - 6 Month Follow-On Contract	This proposal is for a 6 month continuation of the activities and scope of the National Children's Study which is scheduled to end 9/27/12.	1	727,199
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Loic Le Marchand	Cancer Etiology	Whole Genome Scan for Modifier Genes in Colorectal Cancer	To conduct a whole-genome association study of colorectal cancer in the Multiethnic study in order to identify susceptibility genes for this cancer.	1	1
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Michele Carbone	University of Hawaii Cancer Center	University of Hawaii Cancer Center CCSG	The UH Cancer Center's goal is to continue to lower cancer incidence and improve the care of cancer patients in Hawaii and elsewhere by attempting to understand reasons for the remarkable ethnic-related cancer associations found in the region.	1	1,150,000
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Ralph Victor Shohet	Department of Medicine	COBRE III: Center for Cardiovascular Research	In this third cycle of COBRE funding, the Center for Cardiovascular Research will continue the support and enhancement of the crucial Cores previously established (Admin-Mentoring, Histology, Mouse-Physiology, and Genomics) and to develop a pilot project program to further stimulate cardiovascular investigation.	1	229,087

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Jo-Ann C Leong	Hawaii Institute of Marine Biology (HIMB)	Marine Fisheries Scientist at HIMB	Funding is requested for a faculty position in fisheries science at HIMB. The faculty member will work cooperatively with colleagues at UH-Manoa and the PIFSC for NMFS	1	200,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Kevin Hamilton	Joint Institute for Marine and Atmospheric Research (JIMAR)	Enhancement of Data and Research Activities for Climate Studies at the International Pacific Research Center (IPRC)	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	210,000
COMMERCE, DEPT-NATL NOAA-FED	Kevin Weng	Joint Institute for Marine and Atmospheric Research (JIMAR)	Pelagic Fisheries Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	217,323
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Bio-Sampling	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	118,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Cetacean Research Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	190,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Joint Institute for Marine and Atmospheric Research (JIMAR) - Task I (OAR Contribution)	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	200,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Main Hawaiian Islands Deep 7 Bottomfish Fast Track Project	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	210,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Pacific ENSO Applications Center (PEAC): Research Supplement	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	2	217,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Pacific Island Region Observer Program Initiative	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	238,236
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Pacific Islands Region Outreach and Education Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	219,039

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	Seasonal Fluctuations in Pacific Island Marine Debris Deposition	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	32,999
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	The University of Hawaii Sea Level Center	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	1,233,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Michael M Bell	Joint Institute for Marine and Atmospheric Research (JIMAR)	Improved Automation and Performance of VORTRAC Intensity Guidance	<p>The National Hurricane Center (NHC) has stated needs for improved guidance on tropical cyclone (TC) intensity changes (TPC-1 in the JHT Announcement of Opportunity) and techniques to improve the utility of radar data for TC analysis (TPC-12). A radar-based hurricane diagnostic software program called Vortex Objective Radar Tracking and Circulation (VORTRAC) was transitioned into operations at NHC during the 2005-2007 JHT to address these needs. Methods to improve the automation and robustness of VORTRAC have been identified since it was implemented operationally in 2008. VORTRAC uses a series of algorithms to deduce the central pressure and radius of maximum wind (RMW) of a landfalling TC in near real time from WSR-88D Level II radar data and environmental reference pressure data from nearby coastal weather stations. In its current operational form, VORTRAC requires external scripts to fetch this data and user input of an initial TC position, RMW estimate, and radar selection. We propose to utilize existing operational data streams to make VORTRAC nearly automatic, reducing the amount of required user interaction while maintaining the capability to intervene and make adjustments. The Automated Tropical Cyclone Forecasting (ATCF) system would be used to alert VORTRAC when a named storm develops, and also provide the necessary initialization. The Advanced Weather Interactive Processing System (AWIPS) would be utilized to provide reference pressure observations and add high-reso</p>	1	38,741

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Steven Businger	Joint Institute for Marine and Atmospheric Research (JIMAR)	Tropical Pacific Testbed (TPT) for GOES- R Application Development	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	137,802

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-Army Communications Electronics Command	Margaret Edwards	Hawaii Institute of Geophysics and Planetology (HIGP)	Hawaii Undersea Military Munitions Assessment	The overarching objective of the proposed project is to develop, test and evaluate techniques that can be used to monitor and model the ongoing deterioration of sea disposed munitions. The project described in this proposal builds on the previous UH/Environet efforts by providing a direct comparison of the performance of two types of platforms for working in the marine environment, human-occupied vehicles (HOVs) and Remotely Operated Vehicles (ROVs), to deploy standoff and close-in sensors for identifying and investigating DMM. In addition to evaluating platforms, we plan to deploy sensors for short time-series studies of the environment directly adjacent to both chemical and conventional munitions that were located during prior efforts and evaluate how these sensors perform over time. We further propose to develop time-lapse optical systems that will collect images and supporting environmental data for DMM and their surrounding; the data acquired by these systems will be unique because they will be designed to be recoverable without the necessity of a platform returning to specific DMM sites. Finally we will incorporate all of the information we collect into a data fusion	1	1,000,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				system to provide integrated products that assist U.S. Army decision makers. The approach we have designed addresses five of the ten Thrust Areas emphasized by the Night Vision and Electronic Sensors Directorate (NVESD): 1. Standoff Explosive Detection by chemical sensors for Trace detection 5. Acousti		
DEFENSE, DEPT-NAVY POSTGRADUATE SCHOOL	Paul Nachtigall	Hawaii Institute of Marine Biology (HIMB)	Measuring Low Frequency Hearing Shifts in the Bottlenosed Dolphin		1	221,000
DEFENSE, DEPT-WASHINGTON HEADQUARTERS SVCS	James Gaines	Pacific Disaster Center	IDIQ Contract for Technical and Subject Matter Expert Services and Task Order 0001 RAPIDS Dashboard for USSOUTHCOM	The primary intent of this project is to enhance and improve the Department of Defense capabilities and capacities supporting the 21st century strategies, particularly as they pertain to disaster management-related operations and engagements, domestically as well as internationally and toward the Asia-Pacific region. Pacific Disaster Center will work with the sponsor to support: Disaster Monitoring and Decision Support System and Training; Web Technology for Collaboration; Geospatial Information and Sharing; Partner Engagements, Knowledge Exchange, Exercise Support, Workshops, and Conferences; Partner Capacity Building; Surge Capacity; Risk and Vulnerability Assessments; Impact Assessment and Scenario Modeling; and, Disaster Preparedness.	1	469,390

DOE-Dept of Energy

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENERGY, DEPT	Leon R Roose	Hawaii Natural Energy Institute (HNEI)	Development and Demonstration of Smart Grid Inverters for High-penetration PV Applications	This project will develop and deploy new smart inverter technologies to reduce overall PV and Smart Grid integration costs for residential and small medium sized business (SMB) solar projects and through data collection and analysis develop mitigation strategies to eliminate impact of high-penetration of distributed generation on the	1	842,882

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				electric grid.		
ENERGY, DEPT	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	National Marine Renewable Energy Center in Hawaii	Conduct RD&D to promote the demonstration and commercialization of wave and other ocean power systems in Hawaii.	1	3,183,829

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	Johnston Atoll Yellow Crazy Ant Strike Team	Eradicate infestation of Yellow Crazy Ants on the Johnston Atoll and collect data to evaluate methods	1	58,045
INTERIOR, DEPT-FISH & WILDLIFE SVC	Susan Jarvi	Pharmaceutical Sciences	A statewide targeted pathofen surveillance study: Diversity of Avipoxvirus and avian malaria in native Hawaiian forest birds	see proposal attached	1	58,414

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-NATIONAL PARK SVC	Alan Friedlander	Department of Zoology	Movement patterns, habitat use, and size frequency of blacktip reef sharks (<i>Carcharhinus melanopterus</i>) at Kalaupapa National Historical Park	Overfishing and habitat degradation greatly impact coral reefs and components of the fish assemblage such as apex predators which are targeted by fishing activities. The lack of natural baselines reduces our ability to understand how natural ecosystems function and how best to conserve and manage them under human stress. Remote locations with limited fishing pressure are some of the few remaining examples of coral reefs without major anthropogenic influence. Kalaupapa National Historical Park (KALA) on the island of Molokai is one of the few places in the main Hawaiian Islands where these conditions exist. Preliminary surveys at KALA have indicated that one apex predator, the blacktip reef shark (<i>Carcharhinus melanopterus</i>), is locally abundant during certain times of the year in shallow water habitats within the park. This project proposes to acoustically tag these sharks and establish a network of receivers within the park to document movement patterns and habitat use, coupled with size frequency distributions and reproductive maturity to characterize the population demographics. Understanding movement patterns, the extent of the home range, as well as some aspects of the blacktip reef shark trophic ecology, are the primary objectives of the proposed study and will assist the park in conserving this shark population	1	35,000
INTERIOR, DEPT-NATIONAL PARK SVC	Clifford W. Morden	Department of Botany	Developing and Evaluating Techniques to Restore Native Hawaiian Dry Land Forests Threatened by Invasive Plants	Evaluate weed control efforts and native plant reintroduction / stabilization strategies to assess their efficacy, differential results in target areas, and need to adapt restoration techniques.	1	70,000
INTERIOR, DEPT-NATIONAL PARK SVC	David Duffy	Department of Botany	Evaluate Eradication and Containment Strategies for Nonnative Plant Infestations	Conduct removal experiments to eradicate localized weed infestations and contain moderate alien weed infestations in Hawaii Volcanoes National Park.	1	44,268
INTERIOR, DEPT-NATIONAL PARK SVC	David Duffy	Department of Botany	Monitor Hawksbill Turtle Nesting Beaches	Collect data and monitor hawksbill turtle nesting sites and make management recommendations.	1	19,564

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Oliver Elison Timm	International Pacific Research Center (IPRC)	Climate Change Research in Support of Hawaiian Ecosystem Management: An Integrated Approach	<p>This Project addresses the following key PICCC science goals and priorities divided into two major tasks:</p> <p>I. Analysis of the principal geophysical drivers of change. We will update, extend and refine results from previous work to provide high spatial resolution estimates of future rainfall in Hawai'i, based on changes in the principal circulation patterns of the North Pacific and associated large-scale changes in storm frequency, intensity, and duration. A key goal will be to understand how changes in future climate system base state will affect the frequency and severity of extreme events.</p> <p>II. Integration of Research and Management. We will expand our research on changes in extreme events and their potential impacts on Hawaiian ecosystems Our goal is to support research on climate change impacts on ecosystems by establishing protocols for climate data and information exchange with colleagues from the US Geological Survey and the University of Hawai'i - Hilo. The project will develop improved algorithms to statistically downscale CMIP5 (IPCC AR5) future climate simulations based on a range of future emissions scenarios, and will develop metrics to select a set of those climate models that show the most skill in reproducing current climate conditions in the Pacific Ocean sector. We will develop tailored climate data and analysis tools that will help to assess the potential impacts of climate change on the habitat of endemic species.</p>	1	260,177

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Paul Krushelnycky	Plant and Environmental Protection Sciences	Understanding how climate change is affecting Hawaii's high-elevation ecosystems: an assessment of the long-term viability of Haleakala silversword...	Our project focuses on understanding patterns and causes of recent population declines in the Haleakala silversword that are associated with decreasing precipitation, increasing temperature, and related climate changes in Hawaii's high-elevation ecosystems. The Haleakala silversword is an ideal taxon with which to assess impacts from climate change. It forms the foundation of a diverse alpine community and likely reflects wider ecological changes; it is already exhibiting patterns of mortality consistent with an upslope shifting distribution; and its high visibility and symbolic status make it unmatched in educational potential. Building on extensive research infrastructure, we propose to collect the demographic and climate data needed to construct a robust population model and make future population projections under different climate scenarios. In addition, we propose to conduct a range of seedling drought tolerance experiments to clarify causes of recent widespread mortality, and determine methods most likely to lead to restoration success.	1	104,981

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Yuqing Wang	International Pacific Research Center (IPRC)	21st Century High-Resolution Climate Projections for Guam and American Samoa	A high-resolution limited-area atmospheric model will be used to dynamically downscale the results of Coupled Model Intercomparison Project 5 (CMIP5) global coupled models to project the anticipated 21st century changes in rainfall, surface temperature, surface wind and surface radiative fluxes over Guam and the island of Tutuila in American Samoa. Projections for mean changes and changes in extreme events will be produced at about 1 km horizontal resolution over these two islands. This work will build on and leverage ongoing efforts at fine resolution modeling of Hawai'i climate and climate change. Detailed high resolution climate modeling results that can be used by other researchers to drive hydrological or ecosystem models will be saved and made publicly available through the IPRC's Asia-Pacific Data Research Center (APDRC) portal.	1	382,885

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JUSTICE, DEPT-OFFICE JUSTICE PROG	Valli Kalei Kanuha	Sociology	Safe Start Promising Approaches Project: Haupoia Enhanced, A Treatment Innovation	It is estimated that 25% of women will experience intimate partner violence in their lifetimes, with up to 10 million of their children witnessing such acts and sometimes being victimized themselves. Since 1999 the Safe Start initiative has highlighted promising community practices to address the urgent needs of children exposed to violence. Towards that end, the University of Hawaii at Manoa and Parents And Children Together's Family Peace Center (PACT-FPC) propose to collaborate on the design of a practice innovation that will infuse Modular Cognitive Behavior Therapy (MCBT), a treatment strategy employed in evidence-based services for children into Haupoia, PACT-FPC's existing intervention for children exposed to domestic violence based in Honolulu, Hawaii. UH and PACT will partner with local child welfare, criminal justice, mental health and other social	1	249,443

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				service agencies in this effort, and closely collaborate with OJJDP to implement Haupoa Enhanced, an evidenced-based treatment model for children age 3-17 and their mothers. A unique feature of Hawaii as the project site is that the majority of participants are of Asian, Pacific Islander or Native Hawaiian descent. Performance measures will focus on increasing access to services, reducing the impact of exposure to violence, while maintaining safety for children and their mothers.		

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
APEC CLIMATE CENTER	Bin Wang	International Pacific Research Center (IPRC)	Development of APCC Seamless Prediction System	Social and economic demands on intraseasonal-seasonal-interannual (ISI) climate prediction have been growing in order to reduce damages and risks associated with natural disasters. To advance the APCC's capability for the ISI prediction, we propose to develop a novel APCC in-house, fully coupled climate model for an intraseasonal to interannual prediction system. The major endeavor is to develop a new APCC in-house coupled model, based on a current atmosphere-ocean coupled model-POEM (POP v2.0.1-OASIS3.0-ECHAM4.6 model) which is previously developed by modeling group in International Pacific Research Center (IPRC), University of Hawaii (UH) (Xiang et al. 2011). For the first year (August 1st, 2012 to May 31st, 2013), a fully coupled model with atmosphere, land, ocean and sea ice component will be developed by using ECHAM5.3 (or ECHAM6 if available) atmospheric model and its land component (JSBACH), POP2.0.1 ocean model and CSIM5 sea ice model with the aid of the coupler OASIS3.0. The resolution for the atmospheric and land models is T159, and the resolution for ocean and sea ice models is gx1v3 (~1o longitude x 0.5o latitude). A 100-year control-	1	260,870

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				run experiment will be performed upon the completion of the coupled model. Its performance will be evaluated in comparison with the current version of POEM and other CMIP5 coupled models. IPRC and APCC researchers will work together to set up and test the new model on APCC HPC. Additionally, we will compare the...		

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
FirstPass	William Lawrence Ditto	Department of Physics and Astronomy	Computing with Chaos	In common terminology, chaos refers to a state of randomness or unpredictability. Chaos has a different meaning in physics and mathematics. In physics, chaos is a structured but irregularly patterned behavior displaying an extraordinary sensitivity to initial conditions. Work done by the principals of the proposal has proven that logic elements can be built with chaotic elements and can replicate basic digital logic functions. This technology takes advantage of the extraordinary sensitivity of this chaotic system to provide multiple behaviors and to morph behaviors extremely quickly and reliably. The work proposed hereunder improves and extends existing technology into a form that is viable for commercial use.	1	24,000
Kalino, LLC	Iris Fumiko Kimura	Department of Kinesiology and Rehabilitation Science	Kinesiology Laboratory and Evaluation of Orthotic Device	Provide data for research project entitled "Functional Analysis of Dynamic Ankle-Foot Orthoses to Improve Outcomes in Partial Lower Extremity Paralysis". The goal of this project is to compare functional ambulation and running capability of 'drop foot' patients outfitted with either a conventional off-the-shelf AFO or	1	18,044
Makise Lifeup International Corp.	Qing Xiao Li	Molecular Biosciences and Bioengineering	Extraction, identification and characterization of heptacosadine and its analogs from banana peels	Extraction, identification and characterization of heptacosadine and its analogs from banana peels	1	28,015

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Pacific Biodiesel	Samir Khanal	Molecular Biosciences and Bioengineering	Enhancing Biodiesel Feedstock and Co-product Production Using Oleaginous Fungi	The project objective is to evaluate oleaginous fungi as a way to improve the economics of biodiesel production. The proposed innovative technology is anticipated to increase oil yield through the incorporation of single cell oleaginous (SCO) fungi into the production process. This will increase biodiesel production with concomitant improvement in protein quantity and quality for livestock feed applications.	1	9,888

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-HI	Harold Keyser	Maui County	Development of Foliage Germplasm for Import Replacement to Enhance the Biosecurity of Hawaii's Cut Flower Industry	In collaboration with HDOA and Hawaii Agriculture Research Center, the goal of this program will be to provide foliage germplasm which can which can be grown locally as a disease free import replacement for high risk materials used by the cut flower industry in Hawaii.	1	50,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
County Hawaii Dept of Research and Development	Norman Arancon	College of Agriculture, Forestry and Natural Resource Mgt	Substitution of the hydroponic nutrient solution with vermicompost teas to increase yields of lettuce and tomatoes.	<p>Hawaii imports more than 85% of its food. While it is possible to address this issue by growing our own food to offset importation and using viable technologies such as hydroponics to increase crop yields and lower productions costs. Food prices remain high due to the high production input costs such technology requires and these inputs include the use of fuel-based nutrient fertilizer solutions. However sustainable and organic practices such as the use of vermicompost water extracts (teas) can potentially substitute for these expensive inputs. Vermicomposts are products of the biodegradation of organic wastes by earthworms and microorganisms that are rich in nutrients, beneficial microbes, and plant growth hormones. These characteristics make vermicompost teas excellent substitutes for fuel-based nutrient solutions for growing hydroponic crops. Using vermicoposts teas will decrease the cost of inorganic nutrient solutions used in hydroponic systems.</p> <p>The experiment outlined will use existing hydroponic farming practices and incorporate the use of vermicompost teas in substitution with hydroponic nutrient solution. Lettuce and tomatoes will be grown hydroponically in the UHH farm greenhouse, in a randomized complete block design. The experimental design will compose of 4 treatments with 8 replications of each produce (8 for lettuce and 8 for tomato), making a total of 16 replications. The 16 hydroponic boxes will be split into 4 separate compartments for each treatment. Teas will be prepared by steeping solid vermicomposts into the brewer (with aeration, no additives) at a concentration of 25%, 50%, and 75%, by volume, for 24 hours. Growth and yields of both lettuce and tomatoes will be recorded regularly and analyzed using ANOVA in proc glm statistical tools to separate difference between the treatments. The proposed project will start on July 2, 2012 and will run through June 30,</p>	1	6,728

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				2013. The proposal has a budget up to seven thousand dollars with a 1 to 1 match		
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Rebekah Rodericks	Office of Public Health Studies	FDA Tobacco	The compliance check inspections conducted by FDA commissioned officers shall include two types: 1) undercover buy to determine a retailer's compliance with age and photo identification requirements; and 2) advertising and labeling to cover other provisions of the Tobacco Control Act.	1	164,299
HEALTH, DEPT-HI	Jason E Maddock	Office of Public Health Studies	Evaluation of the Hawaii State Tobacco Prevention and Control Plan	This project provides evaluation support for the Hawaii Tobacco Prevention and Control State Plan	1	24,980
HEALTH, DEPT-HI	Qing Xiao Li	Molecular Biosciences and Bioengineering	Hair Analysis for Mercury and Arsenic Exposure	To assist the Hazard Evaluation and Emergency Response Office, Hawaii Department of Health in establishing a biomonitoring project to assess exposure to hazardous substances in the environment. Mercury and arsenic will be measured in hair collected from Women, Infant and Child participants.	1	83,266
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	Ballast Water / Hull Fouling Coordinator	Coordinate the development of a comprehensive plan to prevent the introduction and dispersal of alien aquatic organisms in the ballast water and on the hulls of vessels in Hawaii waters.	1	25,473
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	Fisheries Habitat Enhancement Monitoring	Monitor the effectiveness of mechanical removal and increase in native herivory in the reduction of algal biomass in Kaneohe Bay.	1	120,000
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Genetic Studies of PEP Species to Enhance Management Practices	Study of population genetics in rare species to determine best management practices to save them from extinction	1	35,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Detection and Control of Invasive Species on the Island of Hawaii	Detect new potentially invasive species, continue on-going efforts to contain known invasive species, and expand early detection surveys on the Big Island.	1	295,471
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Detection and Eradication of Invasive Deer Species on the Island of Hawaii	Develop and implement a strategy to prevent the spread of axis deer populations on the island of Hawaii.	1	70,750

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	100,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Management of Axis Deer on Maui Island, FY 13	Developing database for detection and control of axis deer on Maui.	1	72,790
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	126,586
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Support for the Hawaii Invasive Species Council, Hawaii-Pacific Weed Risk Assessment, and the Hawaii Biodiversity Information Network	Coordinate invasive species management, assess new invasive species risks, ensure good science is applied to management plans, and implement a public outreach program.	1	175,000
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	157,078
LAND & NATURAL RES, DPT-FORST (DLNR)	Leyla Valdivia Kaufman	Plant and Environmental Protection Sciences	Assessing Impacts of Myoporum thrips (Klambothrips myopori) Infestation in Hawaii: Distribution, Rate of Spread, and Impact on Forest Resources	Monitoring infestation rate and densities of naio thrips in Kona.	1	41,000

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	1,083

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION (HCF)	Dianqing Sun	Pharmaceutical Sciences	Development of Novel Natural Product-inspired Antibacterial Agents for Treating Pulmonary Tuberculosis	The results of the proposed research will have the potential to lead to the development of novel antitubercular agents. Furthermore, development of these novel anti-TB agents with enhanced potency and selectivity may have the potential to overcome the cross	1	50,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				resistance with current clinically used TB drugs and to shorten current TB treatment regimen.		

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION MED RSCH FUNDS	Susan Jarvi	Pharmaceutical Sciences	Efficacy of a vaccine against <i>Angiostrongylus costaricensis</i> to <i>A. cantonensis</i> in rats (<i>Rattus rattus</i>) from Hawaii.	<p>Proposal Abstract: Efficacy of a vaccine against <i>Angiostrongylus costaricensis</i> to <i>A. cantonensis</i> in rats (<i>Rattus rattus</i>) from Hawaii. PI: Susan I. Jarvi, PhD, College of Pharmacy, University of Hawaii at Hilo. Co-PIs: Antonio Osuna, PhD, University of Granada, Spain, William Pitt, PhD. USDA</p> <p>The nematode <i>Angiostrongylus cantonensis</i> is a rat lungworm, a zoonotic pathogen that is the cause of human eosinophilic meningitis and ocular angiostrongyliasis. It is considered as a global, emerging infectious disease commonly known as rat lungworm disease (RLWD). RLWD is among the most serious threats to human health of all diseases carried by wildlife in Hawaii, and in many other tropical and subtropical countries around the world. Rats are the definitive host, primarily <i>R. rattus</i> and <i>R. norvegicus</i>. Slugs or snails are the obligatory intermediate hosts for <i>A. cantonensis</i>, acquiring the 1st stage larvae in rat feces and supporting parasite development from the first to the third larval stage. Humans can become infected by ingesting intermediate or paratenic hosts containing infective third stage larvae. Larvae penetrate the intestinal mucosa, travel through the liver and lungs to the central nervous system. Angiostrongyliasis in humans can result in transient meningitis (inflammation of the meninges of the brain and the spinal cord) or a more serious disease involving the brain, spinal cord and nerve roots- leading to persistent hyperesthesia, partial paralysis, coma and/or death.</p> <p>Definitive diagnosis of angiostrongyliasis in humans is generally difficult and early detection methods are not readily available on the Island of Hawaii. The use of therapies such as anthelmintics and steroids remains controversial. Recently, an intranasal vaccine (PP2A) was developed and shown to provide</p>	1	40,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				up to 100% protection against <i>A. costaricensis</i> in mice. The protective mechanism of the vaccine is thought to involve an inflammatory response at the intestinal mucosa level to prev		
OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)	Maria Chloe Haws	Pacific Aquaculture and Coastal Resources Ctr	Establishing Bivalve Farming in Hawaii	Assess the effects of seasonality on reproduction and condition index (CI) for <i>Crassostrea gigas</i> in Hawaiian fishponds and other sites to determine ideal harvest and stocking schedules and maximum stocking densities.	1	38,216
UNIVERSITY HAWAII FOUNDATION	Michele Carbone	Natural Products	UH Cancer Center: Research on Erionite Exposure (UHF Account #125-9610-4)	To include but not limited to use in connection with further research on the potential health threats associated with erionite exposure in the United States. (Request for ORS agreement with UHF).	1	742,000
UNIVERSITY HAWAII FOUNDATION	Michele Carbone	University of Hawaii Cancer Center	UH Cancer Center: Research on new mesothelioma treatment agents (UHF Account #125-9620-4)	To include but not limited to use in connection with further research on the development of new mesothelioma treatment agents (Request for amended ORS agreement with UHF).	1	500,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HDR2M	Paul Nachtigall	Hawaii Institute of Marine Biology (HIMB)	SOW for University of Hawaii Dr. Paul Nachtigall	Dr. Paul Nachtigall (University of Hawaii) will provide services to HDR under CTO subtasks 1a and 1b to assist in Data Planning and Analysis and Comprehensive Data Analysis	1	35,545
HDR2M	Whitlow Au	Hawaii Institute of Marine Biology (HIMB)	Comprehensive monitoring data analysis-KB19	Comprehensive Monitoring Data Analysis: Initial Steps Respond to U. S. Navy comments on draft report on entire dataset analysis	1	12,000
HDR2M	Whitlow Au	Hawaii Institute of Marine Biology (HIMB)	Mariannas EAR deployment and data analysis	This task involves recovering four ecological acoustic recorders in the Marianas, refurbishing and redeploying them at the current locations. This task also involves the analysis of the data obtained in the first deployment.	1	213,925

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH RESEARCH INC	Laurence Kolonel	Cancer Etiology	Epidemiology of Breast Cancer Subtypes in African American Women: a Consortium	This project is a collaboration among study groups with information on African American women with breast cancer, and will be coordinated at Roswell Park Cancer Center. Dr. Kolonel will provide data from the Multiethnic Cohort Study, and will participate in all aspects of the study.	1	33,096
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	9,980
SPACE TELESCOPE SCIENCE INSTITUTE	Lisa Kewley	Institute for Astronomy	Shock Energy in Merging Systems: The Elephant in the Room	The aim of our project is to exploit the narrow-band high resolution capabilities of WFC3 and state-of-the-art shock and photoionization models to investigate the interplay between star formation, shock and large-scale gas flows in major luminous infrared galaxy mergers.	1	91,000

Mainland- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Kaiser Foundation Research Institute	Cheryl Lynn Albright	Department of Nursing	Comparative Effectiveness of Diabetes Prevention Strategies in Women with GDM	The main goal of this study is to test the effectiveness of diabetes prevention for women with gestational diabetes (GDM) to control obesity, hyperglycemia, hypertension, and depression. Dr. Albright will participate in the development, implementation, and ongoing management of diet/exercise intervention.	1	23,122

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

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICAN LEGACY FOUNDATION	Pebbles Fagan	Social and Behavioral Sciences	Menthol cigarette smoking and nicotine dependence	To better understand how addiction influences quitting behaviors in light and heavier smokers, this study will use cross-sectional data to examine behavioral and biochemical markers of nicotine dependence and their associations with quitting behaviors among daily menthol/non-menthol smokers	1	102,626
BATTELLE MEMORIAL INSTITUTE	Gary Varner	Department of Physics and Astronomy	US Belle II Project Subcontract	Conduct a process of design, development, testing, and refinement of a prototype readout system for the imaging Time-Of-Propagation (iTOP) system for Belle II detector.	1	110,000
CONSORTIUM FOR OCEAN LEADERSHIP	Gregory Frank Moore	Department of Geology and Geophysics	Participation as Co-Chief Scientist in IODP Exp. 338	This proposal is for participation in IODP Expedition 338 as co-chief scientist.	1	166,560
Geneva Foundation	Sven-Erik Bursell	John A. Burns School of Medicine	Extension of a Computer Assisted Decision Support Study to Improve Outcomes in Patients with Type 2		1	120,221
UNIVERSITY CORP ATMOSPHERIC RSCH	John Porter	Hawaii Institute of Geophysics and Planetology (HIGP)	Hawaii GOES-R Test Bed for Satellite Aerosol Retrievals	Develop and validate aerosol retrieval algorithm for future GOES-R satellite	1	49,994

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Edward Robert Dalton Scott	Hawaii Institute of Geophysics and Planetology (HIGP)	Origins, Thermal Histories, and Impact Records of Iron Meteorites, Chondrites, and their Parent Asteroids	Our objective is to learn more about the formation of asteroids and planets by studying the record preserved in meteorites of the igneous, metamorphic and impact processes operating during the early stages of solar system history	1	203,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	John Tonry	Institute for Astronomy	ATLAS - Asteroid Terrestrial-impact Last Alert System	ATLAS will 1) provide useful warning for most Earth-impacting asteroids of 50m size or larger, 2) detect about one, small, Earth-impacting asteroid per year, 3) discover low delta-v asteroids, 4) determine shape parameters and spin periods of thousands of asteroids from hundreds of observations per year, and 5) obtain instantaneous color measurements of every observed object.	1	1,087,418
NATIONAL AERONAUT & SPACE ADM	Karen Meech	Institute for Astronomy	Water and Habitable Worlds	This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life	1	101,056
NATIONAL AERONAUT & SPACE ADM	Niklas Schneider	Department of Meteorology	Interannual Variability of Ocean Vector Winds Near Ocean Fronts and Coastal Orography	We study interannual variability of ocean vector winds observed by satellites and their role in ocean-atmosphere interactions, with a focus on narrow-scale features not resolved by traditional climate datasets.	1	79,390
NATIONAL AERONAUT & SPACE ADM	Richard Wainscoat	Institute for Astronomy	NEO Discovery and Characterization with the Pan-STARRS PS1 Telescope	We will use the Pan-STARRS PS1 telescope system to rapidly survey large areas of the sky to search for and characterize NEOs	1	1,255,973

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Daniel Brown	Vice Chancellor for Research	"Variation in symptoms at midlife: Ethnic and rural/urban comparisons,"	The goal of this study is to better understand variation in symptom report at midlife. Specifically, if cross-cultural variation can be explained by differences in physiological experience or by differences in symptom perception/report. Hot flashes will be examined among five groups of women aged 40-55.	1	42,899
NATIONAL SCIENCE FOUNDATION	Scott Miller	Mechanical Engineering	GOALI: Friction Stir Forming Process for Joining Dissimilar Metals	The research objective of this proposal is to measure the link among the process, material structure, and material properties for the new friction stir forming (FSF) process. This is a new, efficient, and environmentally benign process capable of simultaneously heating and forming the work material into a strong joint	1	6,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Victor Lubecke	Electrical Engineering	Real-Time Non-Contact Sensing of Variations in Cardiorespiratory Volume	We propose to explore the use of non-contact radar techniques for the measurement of volume associated with human respiratory and cardiac function.	1	99,969

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Alabama Birmingham, Univ of	Benjamin Fogelgren	Department of Anatomy, Biochemistry, and Physiology	Characterizing exocyst-mediated trafficking to primary cilia	<p>Cysts are basic building blocks for epithelial organs, such as the kidney, and abnormal regulation of cystogenesis results in potentially lethal disorders such as polycystic kidney disease (PKD). The primary cilium, an organelle that projects from the apical surface of epithelial cells and has been implicated in the pathogenesis of PKD, is thought to act as a sensory antenna for the cell. When the primary cilia of renal tubular epithelial cells are disrupted in form or function, the cells misinterpret this as a signal to dedifferentiate and proliferate, resulting in the formation of large renal cysts. The highly conserved eight-protein exocyst complex is a critical component of the secretory pathway, shuttling vesicles containing membrane proteins to targeted subcellular locales, including the primary cilium. Sec10 is a central component of the exocyst complex and has been the main focus of much of our preliminary data. The overall goal of this research proposal is to elucidate the role of the exocyst in primary cilia biology, in order to better understand the process of pathogenic cyst formation and other ciliopathies. We have recently shown, through in vitro studies of renal epithelial cell lines, and through in vivo studies using a novel zebrafish model, that the exocyst regulates the</p>	1	50,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				assembly and signaling of primary cilia. Additionally, we have shown Sec10, a central component of the exocyst, interacts with several cilia-specific proteins such as polycystin-2 (PC-2), one of the two proteins mutated in human autosomal dominant PKD (ADPKD). Based on these findings, the central hypothesis of this UAB Pilot and Feasibility proposal is that the exocyst complex mediates delivery of vesicles carrying important signaling and structural proteins to the primary cilia in renal tubular cells, which includes proteins associated with PKD such as fibrocystin, polycystin-1, and polycystin-2. We will test this hypothesis through the following Specific Aims: (1) Generate TERTI		
CALIFORNIA DAVIS, UNIVERSITY OF	Alexander Krot	Hawaii Institute of Geophysics and Planetology (HIGP)	Chronology of Chondrule Formation Using a Multi-Chronometer Approach	Chronology of chondrule formation using a multi-chronometer approach.	1	82,500
CALIFORNIA IRVINE, UNIVERSITY OF	Vivek Nerurkar	Department of Tropical Medicine, Medical Micro and Pharm	A Multiplex Serodiagnostic Protein Microarray		1	37,485
CALIFORNIA SAN DIEGO, UNIV	Linda Chang	Department of Medicine	Creating a Pediatric Imaging-Genomics Data Resource	The overall goal of this project is to create a combined Imaging (MRI) and Genomics data resource in children, in the form of a multi-center collaboration. UH will enroll subjects for the study, and be in charge of 2 Cores (Medical Core and MR Acquisition Core).	1	63,155
CHAMINADE UNIVERSITY	Alexander J Stokes	Department of Cell and Molecular Biology	Regulation of cardiac pathologies by the store operated ion channel CRACM1	The development of cardiac hypertrophy represents a principal risk factor for the development of heart failure and subsequent cardiac death. Our preliminary data show that knowout of CRACM1 exacerbates cardiac hypertrophy. The data generated from this proposal will identify CRACM1 as fundamental components of cardiac hypertrophy, and myocardial infarction reperfusion injury.	1	251,495

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LANGUAGE LEARNING PGM-UNIV MICHIGAN	Graham Victor Crookes	Department of Second Language Studies	Information Structure and Dative Word- Order Alternations in English and Korean: L1 Children, L2 Children, and L2 Adults	It is well known that adult speakers tend to place old information prior to new information in a sentence the Given before New principle. We conduct experiments to investigate adherence to the Given before New principle in English and Korean acquiring children, Korean speaking (child and adult) learners of English, and English speaking (adult) learners of Korean.	1	1,997
LANGUAGE LEARNING PGM-UNIV MICHIGAN	Luca Onnis	Department of Second Language Studies	Individual Differences in the Implicit and Explicit Learning of Form-Meaning Mappings		1	2,000
LOMA LINDA UNIVERSITY	Erin O'Carroll Bantum	Social and Behavioral Sciences	Use of Natural Language Processing to Identify Markers of Coping.	Monies requested will be used for salary support, wages for student assistants, travel, and research supplies. The M-PI will be responsible primarily for creating a manual coding process to identify emotional expression, training coders, and monitoring reliability during the study.	1	23,161
OREGON STATE UNIVERSITY	Samir Khanal	Molecular Biosciences and Bioengineering	Green Processing of High Yield Tropical Grass to Biobased Product and Biobutanol	This study evaluates the effects of age on biochemical constituents relevant to the conversion of Napier grass into biofuel and biobased products. Samples were hand- harvested at 2, 4, 6 and 8 months of age and passed through a cutting mill for initial size reduction. The material was then screw- pressed under 40 psi of pneumatic backpressure. The reported characteristics of solid fibers and liquid juice will have significant implications on the feasibility of biorefineries in Hawaii and other (sub)tropical regions of the world.	1	99,383

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PITTSBURGH, UNIVERSITY OF	Elizabeth Tam	Department of Medicine	COMPUTATIONAL ANALYSIS OF NONINVASIVE VENTILATION - CANVENT	Subcontractor will continue to recruit participants using the current simulator. Participants to include additional physicians and physicians-in-training to reach target of 75 total, 6/1/2010 to 5/31/2013. Subcontractor will broaden recruiting to include respiratory therapists, RN's, and respiratory therapists-in-training (20 total). Subcontractor will meet all institutional review board requirements, maintain local database of simulations, manage participant reimbursement.	1	80,000
Princeton University	John Lynham	Social Science Research Institute	Information Flow in Marine Social-Ecological Systems	To investigate the linkages between ecological dynamics, technological ability and social behavior in marine social-ecological systems.	1	81,691
SOUTHERN CALIFORNIA, UNIVERSITY OF	Michelle H. Teng	Civil and Environmental Engineering	TSUNAMOUS: a validated, multi-scale tsunami model for hybrid numerical-experimental simulation	This project involves both computer simulations and wave tank experiments to study how tsunamis propagate over submerged reef and breakwaters, and how they run up on beaches. The focus is on examining whether submerged structures can effectively reduce the impact of tsunamis on shore. We hope that the research results can help us to seek effective engineering measures for tsunami mitigation.	1	36,965
The Administrators of the Tulane Educational Fund	Mariana Gerschenson	Department of Cell and Molecular Biology	Coordinating Center for the Pediatric HIV/AIDS Cohort Study		1	24,398
UTAH STATE UNIVERSITY	Mark Wright	Plant and Environmental Protection Sciences	Low-Input Integrated Management of Tomato Viruses	Testing of dual resistant varieties against TSWV and TYLCV and testing of IPM approaches to control insect vectors of tomato viruses.	1	95,812
Research - Total					102	22,979,136

Non-Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Stuart T	Human Nutrition,	Risk Management/Crop Insurance	This project will build awareness then educate	1	245,992

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
	Nakamoto	Food and Animal Sciences	Education for Hawaii Producers 2012-2013	producers about crop insurance, risk, and risk management in agriculture.		

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-ADM CHILD & FAM (ACF)	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	Pacific Basin University Center for Excellence in Developmental Disabilities, Education, and Service (PBUCEDD)		1	554,000
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii/Pacific Basin Area Health Education Center (AHEC)	The purpose of the Hawaii/Pacific Basin (HPB) AHEC is to improve the health of the underserved through collaborative regional training initiatives across Hawaii and U.S. protectorates in the Pacific	1	822,843

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HRSA-FED BUR OF HLTH PROF	Maureen Shannon	Department of Nursing	Advanced Education Nursing Traineeship (AENT) Program	The University of Hawaii at Manoa School of Nursing and Dental Hygiene (UHM) is requesting support for students from underrepresented populations in fiscal years 2012-2014 to increase the number of primary care nurse practitioners (NPs) providing clinical care in the rural communities in Hawaii. The objective of the AENT Project is to graduate 15 primary care NPs committed to working in underserved communities in Hawaii by summer 2014. To accomplish this objective, we will provide AENT funds to a cohort of 15 full-time primary care NP students pursuing a degree as a family or adult/gerontological NP enrolling in fall 2012 and graduating in summer 2014. AENT trainees will be selected from the 33 students who have accepted admission to the fall 2012 class with priority given to applicants from underrepresented groups, residents of rural islands of the State, males, and veterans. A key aim of this project is to reduce the time it takes for a student to progress through the primary care NP program; specifically the family and adult/gerontological NPs. The AENT financial support for primary care NP students is essential and will allow them the financial ability to enroll full time and progress to graduation within 2 years. The expected outcome will be a rapid increase in the number of MS prepared primary care NPs who graduate, and can provide leadership and culturally appropriate primary care services to Hawaii residents.	1	324,000
HEALTH & HUMAN SVC, DEPT-HRSA-FED MATERNAL & CHILD HLTH	Jean Johnson	Center on Disability Studies/University Affiliated Pgms	Ajiri in Ibwinini		1	224,988
HEALTH & HUMAN SVC, DEPT-NIH-FED	Luoluo Hong	Vice Chancellor for Student Affairs	UH Hilo Suicide Prevention Program		1	87,044
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG & BLD INST	Ralph Victor Shohet	Department of Medicine	Training in Cardiovascular Research at the University of Hawaii	This training grant will support predoctoral graduate students and postdoctoral researchers in cardiovascular research at JABSOM.	1	135,454

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

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Kevin Hopkins	Pacific Aquaculture and Coastal Resources Ctr	Hilo Marine Mammal Response Network (HMMRN) 2012/2013	The Hawaiian Islands Marine Mammal Response Network (MMRN) provides Hawaiian monk seal management response and cetacean stranding response under the Marine Mammal Protection Act (MMPA) and Endangered Species Act (ESA). It prevents disturbance of marine mammals and responds to deceased marine mammals for sample collection and analysis.	1	14,000
COMMERCE, DEPT-NATL NOAA-FED	Mark Merrifield	Joint Institute for Marine and Atmospheric Research (JIMAR)	National Weather Service Pacific Region Fellowship Program	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	127,085

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-ARMY TRIPLER MEDICAL CTR	Edward Fisher	Pharmaceutical Sciences	Instruction in Clinical Psychopharmacology at Tripler Army Medical Center		1	316,928
Defense, Dept. - U.S. Army Research Office	Chittaranjan Ray	Water Resources Research Center	Research Instrumentation to Study Corrosion in Tropical Settings	An inductively Coupled Plasma - Optical Emission Spectrometer (ICP-OES) will be purchased through this proposal to help analyze heavy metals in the study of atmospheric, terrestrial and underground corrosion.	1	58,831

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	Sharon Ziegler	Vice Chancellor for Research	University of Hawaii-Hawaiian Internship Program (UHHIP) 2012	Project supports five (5) PIPES summer interns to work on projects with FWS affiliated	1	41,114

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				projects across Hawaii.		

DOT-Dept of Transportation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TRANSPORTATION, DEPT-FED HWY AD-FED	Ronny T Umehira	Chancellor, Leeward Community College	SAFETEA-LU Motorcycle Safety	Leeward Community College will provide all site administration, site-management, equipment maintenance and quality assurance monitoring for each neighbor island location; as well as provide the program coordinators at the local community colleges with the training necessary to take over program administration, and receive Hawaii DOT designation as a training site in accordance with HAR 19-123.	1	124,784

ED-Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Alvin Tagomori	Chancellor, UH Maui College	Central Maui and Molokai Upward Bound Math and Science	Central Maui and Moloka`i Upward Bound Math and Science (UBMS) at the University of Hawai`i Maui College (UH Maui College) will serve 60 eligible high school students within three target schools: Baldwin, Maui, and Moloka`i High Schools. Maui County is uniquely challenged with serving three Hawaiian Islands: Maui, Moloka`i, and Lana`i. The target area for Central Maui and Moloka`i UBMS consists of central Maui (Kahului, Wailuku, Waihee, Waiehu) and the island of Moloka`i. UH Maui College main campus is situated in the heart of central Maui, the city of Kahului, with a satellite campus located on Moloka`i.	1	250,000
EDUCATION, DEPT-FED	David Sing	Center For Gifted And Talented Native Hawaiian Children	Ke Ola Mau: Aspiration, Achievement and Pathway into Health Careers	Health Career K-20 Pathways	1	502,692
EDUCATION, DEPT-FED	Donald B Young	College of Education	Improving Teacher Quality Grants - SAHEs	ESEA grants are block grants to states. The current allocation is for higher education support for improving teacher quality.	1	212,128

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Kenneth Tokuno	Graduate & Professional Education	Jacob K. Javits Fellowship Program	Funding for Jacob K. Javits Fellowship Program - Benjamin Sota.	1	44,422
EDUCATION, DEPT-FED	Leonard D. Woods	Upward Bound	Upward Bound Math and Science Program - Hawaii County	To provide STEM college preparatory services to 50 high school students.	1	250,000
EDUCATION, DEPT-FED	Wayne Watkins	Student Equity Excel & Diversity	The University of Hawaii at Manoa Children's Center-Child Care Access Means Parents in School (UHMCC-CCAMPIS)	The UHM Children's Center Child Care Access Means Parents in School Program will meet the child care needs of low-income student parents attending the Manoa campus. Parent education workshops, child care tuition scholarships, and teacher staff development training will be provided.	1	81,874

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENVIRONMENTAL PROTECTION AGENCY	Ruth Deborah Gates	Hawaii Institute of Marine Biology (HIMB)	Resilience and Acclimatization Potential of Reef Corals Under Predicted Global Climate Change Stressors	EPA STAR scholarship to support Hollie Putnam to conduct Ph.D. research aimed at examining the potential for corals to acclimatize to climate change stressors (increased temperature and ocean acidification).	1	16,828

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LABOR, DEPT-EMPLOYMENT TRNG ADM-FED	Michael Pecsok	Chancellor, Leeward Community College	AAT Enhancement and Acceleration Program	Leeward CC Proposal for the Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grant Need: There are approximately 300 support personnel such as educational assistants (EA), part-time teachers (PTT), para-professional tutors (PPT), and data processing technology support (IT) hired annually by the Hawaii DOE. The preferred credential for all of these positions is the Associate of Arts in Teaching (AAT) degree. Graduates are considered highly qualified for federal standards under No Child Left Behind. Our current AAT Program graduates approximately 60 students per year. There is a shortfall of 240 highly qualified candidates per year. Goal: The goal of this grant is to increase the capacity and quality of the AAT Program. Specifically, the grant will: 1. Double the amount of AAT Program graduates 2. Expand the AAT Program statewide 3. Accelerate the AAT Program 4. Increase the number of transfers to statewide 4-year Universities Develop or Enhance a Program of Study with Innovative Strategies The grant will accomplish these goals as provided for in Option 2 of the U.S. Department of Labor Employment and Training Administration Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grant Program. Develop a 2+2 Program The grant will also accomplish Option 3 which will increase the number of transfers to 4-year institutions. Target Population The grant will target underserved populations both within Leeward service area and other area	1	2,500,000

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICAN SAMOA, GOVERNMENT	Neal Palafox	Department of Family Medicine and Community Health	Pacific Regional Comprehensive Cancer Control program (Am Samoa DOH subcontract)	The Regional CCC Program leverages resources and work collaboratively with others to build capacity within the USAPI Health Departments/Ministries and community sector to implement the Pacific Regional CCC plan.	1	20,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				The Regional Plan includes goals and objectives addressing the cancer control spectrum from prevention to treatment and palliation.		
AMERICAN SAMOA, GOVERNMENT	Norman Okamura	Social Science Research Institute	State Medicaid HIT Plan for Am. Samoa	To develop a State Medicaid HIT Plan for American Samoa that will: 1. Administer the incentive payments to eligible professionals and hospitals; 2. Conduct adequate oversight of the program, including tracking meaningful use by providers; and 3. Pursue initiatives to encourage the adoption of certified EHR technology to promote health care quality and the exchange of health care information.	1	122,634
American Samoa, Government- Department of Education	Deborah K Zuercher	Institute for Teacher Education	American Samoa Early Childhood Education Project 2012-2013	To provide courses which lead toward Early Childhood endorsement through the bachelor of education degree via the Territorial Teacher Training Assistance project in American Samoa.	1	48,000
FEDERATED STATES MICRONESIA	Lee E Buenconsejo-Lum	Department of Family Medicine and Community Health	Pacific Regional Comprehensive Cancer Control program (FSM HSA subcontract)	The Regional CCC Program leverages resources and work collaboratively with others to build capacity within the USAPI Health Departments/Ministries and community sector to implement the Pacific Regional CCC plan. The Regional Plan includes goals and objectives addressing the cancer control spectrum from prevention to treatment and palliation.	1	70,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KOREA INSTITUTE SCIENCE & TECHNOLOGY	Alexander N Shor	School of Ocean and Earth Science and Technology	2012 Side-scan Sonar Surveys for KIOST in the Eastern Pacific Ocean	Hawaii Mapping Research Group (HMRG) will provide the IMI-30 and IMI-120 seafloor mapping sonars and six personnel to participate in a 26-day research cruise to the Eastern Pacific Ocean aboard the research vessel Onnuri, beginning and ending in Honolulu, Hawaii. Research operations will be under the direction of personnel from the Korea Institute of Ocean Science and Technology (KIOST), from the Republic of Korea. Sonar operations will be directed by HMRG Party Co-Chiefs Mark Rognstad and Joyce Miller, assisted by four technical personnel from University of Hawaii. It is anticipated that the IMI-30 and IMI-120 surveys will take approximately fifteen days during the 26-day cruise, with other operations between deployments.	1	175,000

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ALU LIKE INC	Guy Kimura	Chancellor, Hawaii Community College	Native Hawaiian Digital Arts Project	The project proposes to teach digital arts courses to Native Hawaiian students for the recruitment, retention and completion of Native Hawaiian students into the DMA program at Hawaii CC.	1	250,233
ALU LIKE INC	Mona Lee	Chancellor, Kapiolani Community College	Native Hawaiian Career and Technical Education, Kulia Ma Kapiolani Project	Offer a suite of culturally-based services to students that recruit, enroll, and support academic completion of career and technical education degrees and certificates. Partner with Castle High School's Health Career Academy Project to create a clearly defined pathway from high school to college and to related employment in the career pathway.	1	272,765

Hawaii- Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Hawaii P-20 Strategic Plan DOE MOA D11-078 Contract CO-10170	Execute the P-20 strategic plan through promoting career & college readiness, developing longitudinal data system,	1	3,385,612

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				developing policy, supporting Race to the Top, and advancing the State's educational agenda.		

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ACCOUNTING & GEN SVC, DEPT-HI STATE FDTN CULT & ARTS	Timothy Slaughter	Outreach College	SCEP: Presenting & Touring Outreach	The University's Statewide Cultural Extension Programs enters its 41st year providing arts & cultural programming to communities throughout the state.	1	50,000
AGRICULTURE, DEPT- AGRIB DEV CORP-HI	Michael William Duponte	Human Nutrition, Food and Animal Sciences	Kauai Swine Day and Farm Tour	The purpose of this workshop is to introduce Kauai swine producers to the concepts of the IDLS (inoculated deep litter system) piggery as an effective, economical and practical way to address their current waste management challenges, and to provide hands-on instruction so that participants can implement the IDLS successfully.	1	4,014
BUDGET & FINANCE, DEPT-HI PUBLIC UTIL COMM	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	Temporary Inter-Governmental Assignment with PUC-Griffin	Temporary Inter-Governmental Assignment for James Griffin to serve on the Public Utilities Commission for a two-year period	1	260,854
COUNTY HAWAII	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Maunakea Astronomy High School Shadowing Program	The Maunakea Astronomy High School Shadow Program will introduce high school Juniors and Seniors to the variety of career opportunities that are available in the observatories on Hawaii Island. This program would provide a unique opportunity to local students, giving them real insight into local STEM career opportunities.	1	2,500
HAWAIIAN HOME LANDS, DEPT-HI	Sharon Ziegler	Vice Chancellor for Research	DHHL Support for PIPES 2012 Intern - Kanakaleonui Bird Corridor		1	7,500
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Norman Okamura	Social Science Research Institute	CAMHD VistA to RPMS Conversion	The University of Hawaii TASI shall assist to strengthen the CAMHD's health information technology and electronic health records capability for improving the quality of patient care and for conducting health information research, technology development facilitation, and education to contribute to the needs of the State and the State's overall social and economic development.	1	200,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-HI	Andrew Nichols	Health & Wellness	Title X Family Planning and Reproductive Health Services	UHSM shall continue to provide family planning and reproductive student health services.	1	27,500
HEALTH, DEPT-HI	Charlene Ono	Chancellor, Kauai Community College	HTH-560-CW-002, Title X Family Planning Services University of Hawaii-Kauai Community College Campus Wellness Center	Expand family planning services to high-risk populations and community education through outreach.	1	35,525
HEALTH, DEPT-HI	Luoluo Hong	Vice Chancellor for Student Affairs	Family Planning and reproductive Health Services	The goals of this program are to: Assure access to high quality clinical family planning and reproductive health services including the provision of highly effective contraceptive methods, and provide cancer and sexually transmitted disease ("STD") screening and prevention education, including human immunodeficiency virus("HIV") prevention education, counseling, and testing to all individuals of reproductive age with a priority to low income and hard-to-reach individuals that are the most under-served and the least likely to access family planning services in a traditional setting. 1.2 Promote community-based age-appropriate information and education, emphasizing both the rational for family planning and the complete range of family planning choices (including postponing sexual involvement for youth). 1.3 Improve the health status of populations in areas of the State of Hawaii designated as in need of services as identified in the 2005 Primary Care Needs Assessment Data Book published by the Family Health Services Division, department of Health ("DOH"). See website": http://www.hawaii.gov/health/family-child-health/rural-health/pco/2005databook-cpcomplete.pdf .	1	43,000
HEALTH, DEPT-HI	Norman Okamura	Social Science Research Institute	Intergovernmental Cooperative Agreement between the Hawaii State Department of Health and the UH TASI	Intergovernmental Cooperative Agreement to support STAN	1	87,960

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUMAN SERVICES, DEPT-HI	Grace Fong	Center on the Family	Quality Care Program, Supplemental 1	The Quality Care Program will (a) develop the infrastructure for a Quality Improvement rating System for licensed center-based and home-based child care programs, (b) conduct and evaluate a pilot of the system, and (c) implement the Quality Care Program for Home-based Providers over a three year period.	1	1,357,838
HUMAN SERVICES, DEPT-HI	Naomi Kanehiro	Oahu County	UH-CES Supplemental Nutrition Assistance Program Education FY 2012	The University of Hawaii - Cooperative Extension Service (UH-CES) Supplemental Nutrition Assistance Program - Education (SNAP-Ed) for FY 2013 has a primary goal to continue to assist SNAP and SNAP eligibles to make healthy foods choices and active lifestyles within limited budget constraints consistent with the current Dietary Guidelines for Americans and Food Guidance System. In the primary prevention of obesity and chronic diseases for SNAP and SNAP eligibles, UH-CES SNAP-Ed will focus on the promotion of healthy eating habits and a physically active lifestyle by concentrating on: 1) food and eating competencies within a limited budget, 2) consistent nutrition education messages for healthful behavioral outcomes, with deliverance through multiple channels, and 3) community collaborations. With the recognition that achieving and sustaining positive eating behaviors are a complex challenge, the behavioral outcomes focus on facilitating the voluntary adoption of behaviors conducive to health and well-being. The overarching themes of UH-CES SNAP-Ed Food & Fitness project are fruits and veggies, food resource management, encouragement of physical activity, and food safety within a limited budget. An encouragement of having a variety, serving or having access to, and an increased in consumption of fruits and veggies more specifically are what will be encouraged throughout the project. For FY 2013, UH-CES SNAP-Ed is focusing on one project, Food & Fitness. Food & Fitness is a proj	1	256,605

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUMAN SERVICES, DEPT-HI	Thanh Truc Thi Nguyen	Curriculum Research and Development Group	Technology for Untapped Talent		1	1,250,000
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Waianae Kai Watershed Forest Reserve Protection and Restoration Project	Protect and restore the forested watershed of the Waianae Kai Watershed Forest Reserve.	1	174,429
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Alala Outreach and Education Program Coordination and Implementation	Conduct outreach and coordinate with stakeholders to gain support for the release of Hawaiian crow into wild habitat.	1	70,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	PCSU Firefighting Support in Conservation Research Areas	PCSU conservation workers will provide firefighting support to the State during wildfires on sites conducting conservation research.	1	2,300
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Voluntary Public Access Program: Education and Outreach, Habitat Improvement and Access	Conduct education and outreach regarding voluntary access program for landowners bordering forest reserves, and prepare for fencing and other border improvements.	1	145,488
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Pacific Cooperative Studies Unit	Plant Pono Website and Database	To help people make informed planting choices, a Plant Pono website is being constructed, and is expected to launch in September 2012. This website will provide planting guidelines, photos and information on non-invasive ornamental plants, and information and photos of some invasive plants that are spreading in Hawaii's forests and natural areas	1	24,250
LAND & NATURAL RESOURCES, DEPT (DLNR) ENGINEERING DIV	Dennis Hwang	Sea Grant College Program	Update and Reprint the Homeowner's Handbook to Prepare for Natural Hazards	This is to update and reprint the Homeowners Handbook to Prepare for Natural Hazards	1	7,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PUBLIC SAFETY, DEPT-HI	Norman Okamura	Social Science Research Institute	ICA between the State of Hawaii Department of Public Safety and UH TASI	The overall goal of this Agreement is to establish a cooperative framework to enable shared enhancement and use of STAN to improve healthcare in Hawaii, the Pacific Islands, and the Asia-Pacific Region; provide a foundation for healthcare and public health research and infrastructure; collaborate to develop and enhance shared Health Information Technology to improve services, develop and deliver education to build human resource capacity; and efficiently and effectively share resources to mutually benefit the Parties and the public.	1	85,196

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ISIS HAWAII	Clyde Tamaru	Molecular Biosciences and Bioengineering	Ipu Waiwai Kula - 'AE (Aquaponics in Education)	Identified CTAHR faculty will be providing training and technical assistance in the development of culture based curriculum utilizing aquaponic technology. The developed curriculum will have a Hawaiian culture based aspect with the focus of improving performance in teaching and learning revolving around STEM skills.	1	58,000
OLELO	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Hawaii Educational Networking Consortium (HENC)	To provide oversight of the two educational access cable television channels (channel 55 and 56) provided for accredited education of Oahu.	1	40,000
QUEEN LILIOUKALANI CHILDRENS CENTER	Paula Toki Morelli	School of Social Work	QLCC - Papawai Nurturing Ohana Camp Evaluation 2012-2013	To assist QLCC in the development of a culturally based evaluation system to enhance staff's effectiveness in working with Native Hawaiian children, their families and communities.	1	50,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	E. Gordon Grau	Hawaii Institute of Marine Biology (HIMB)	Integrative, Experimental and Environmental Physiology of Marine Organisms	This years Pauley Summer Program, entitled Integrative, experimental and environmental physiology of marine organisms will be held over eight weeks starting July ninth and continuing through August twenty fourth. The Program will focus on developing a better understanding of the mechanisms that govern osmoregulation and how these relate to the regulation of growth and development, including reproduction. An important component for our consideration will be to characterize the mechanisms of the endocrine regulation of these important physiological activities.	1	16,000
UNIVERSITY HAWAII FOUNDATION	Joyce Naomi Chinen	Center for Japanese Studies	Center for Okinawan Studies Educational Activities	UHF Agreement To pay for honoraria, faculty overload, and miscellaneous expenses for COS educational activities.	1	500
UNIVERSITY HAWAII FOUNDATION	Paula Toki Morelli	School of Social Work	Le'a Publication Series	To hire editors for the Le'a Publication Series to oversee the publication of a book and journal series.	1	17,100
UNIVERSITY HAWAII FOUNDATION	Roger T. Ames	Philosophy (UH Manoa)	Uehiro Summer Residential Institute in Comparative Philosophy	Stipends for UH faculty members conducting the Uehiro Summer Residential Institute in Comparative Philosophy 2012.	1	6,634

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GILEAD FOUNDATION - GILEAD SCIENCES INC	Cecilia Shikuma	Department of Medicine	A Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Elvitegravir/Emtricitabine/Tenofovir Disoproxil Fumarate/GS-9350 Vers	To test experimental HIV treatment on human subjects.	1	39,296
GILEAD FOUNDATION - GILEAD SCIENCES INC	Cecilia Shikuma	Department of Medicine	GS-103 Phase 3, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of Elvitegravir/Emtricitabine/Tenofovir Disoproxil Fumarate/GS-9350		1	39,296

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PPD DEVELOPMENT LP	Jonathan Karl Cho	Clinical Sciences	A Randomized, Double-Blind, Multi-Center Phase 3 Study of ADI-PEG 20 Plus Best Supportive Case (BSC) Versus Placebo Plus BSC	Multicenter, multinational, phase 3, double-blind placebo-controlled trial for advanced hepatocellular carcinoma (liver cancer) patients who have failed prior treatment to determine overall survival, safety/tolerability of study drug, and affect on tumor.	1	7,656

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION TRUST, THE	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Access to Success Data Collection 2011	Support of data collection efforts for the Access to Success Initiative.	1	2,500

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	92,688

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Donald Straney	Chancellor, UH Hilo	Exploring Diversity and Gender Equity (EDGE) at UH Hilo	We will investigate UH Hilo's recruitment, hiring, and promotion policies and procedures with respect to gender-based issues in order to prepare an action plan for a future Institutional Transformation project through NSF. This will involve surveys, focus groups, and analysis of existing policies and their implementation.	1	95,980

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA BERKELEY, UNIVERSITY OF	Valerie Jean Yontz	Office of Public Health Studies	California Pacific (CALPACT) Public Health Training Center Yr 2	The grant's goal is to develop and support public health training opportunities that are consistent with public health workforce development objectives in Healthy People 2010 and 2020.	1	79,567

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GALLAUDET UNIVERSITY	Louise Pagotto	Gallaudet University Regional Center for the Pacific Region	Gallaudet University Regional Center of the Pacific	Continued partnership with Gallaudet University - KCC will serve as a regional site, and provide grant management, local project oversight, recruitment and support of projects and students, and coordination of practicum placements.	1	125,000
JOHNS HOPKINS UNIVERSITY	Alexander N Shor	School of Ocean and Earth Science and Technology	Proposal to provide RV KOK for a Johns Hopkins University project with DARPA support	University of Hawaii proposes to provide its vessel RV Ka'Imikai O Kanaloa (henceforth RV KOK), a U.S. Flag vessel, for a period of at-sea research during November-December of 2012. Planned vessel use is funded to The Johns Hopkins University Advanced Physics Laboratory (JHUAPL) by the Defense Advanced Research Program Activity (DARPA), and is in support of federally sponsored research objectives.	1	560,000
NOTRE DAME, UNIVERSITY OF	Michael D Jones	Department of Physics and Astronomy	QuarkNet	This project introduces high school teachers and students to particle physics by having them collect and analyze data from cosmic ray detectors.	1	2,000
TENNESSEE-KNOXVILLE, UNIVERSITY OF	Barry Brennan	Plant and Environmental Protection Sciences	Supporting the Development and Delivery of the National Food Safety Curriculum	Review existing courses and develop training course(s) or module(s) for food safety officials to address food safety considerations in event of natural or technological disaster.	1	159,164
Non-Research - Total					67	16,762,591
Overall - Total					169	39,741,727

Funds Received from UH Foundation for Oct 1, 2012 to Oct 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	Joyce Naomi Chinen	Center for Japanese Studies	Center for Okinawan Studies Educational Activities	UHF Agreement To pay for honoraria, faculty overload, and miscellaneous expenses for COS educational activities.	1	500
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	E. Gordon Grau	Hawaii Institute of Marine Biology (HIMB)	Integrative, Experimental and Environmental Physiology of Marine Organisms	This years Pauley Summer Program, entitled Integrative, experimental and environmental physiology of marine organisms will be held over eight weeks starting July ninth and continuing through August twenty fourth. The Program will focus on developing a better understanding of the mechanisms that govern osmoregulation and how these relate to the regulation of growth and development, including reproduction. An important component for our consideration will be to characterize the mechanisms of the endocrine regulation of these important physiological activities.	1	16,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Paula Toki Morelli	School of Social Work	Le'a Publication Series	To hire editors for the Le'a Publication Series to oversee the publication of a book and journal series.	1	17,100
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Roger T. Ames	Philosophy (UH Manoa)	Uehiro Summer Residential Institute in Comparative Philosophy	Stipends for UH faculty members conducting the Uehiro Summer Residential Institute in Comparative Philosophy 2012.	1	6,634

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Michele Carbone	Natural Products	UH Cancer Center: Research on Erionite Exposure (UHF Account #125-9610-4)	To include but not limited to use in connection with further research on the potential health threats associated with erionite exposure in the United States. (Request for ORS agreement with UHF).	1	742,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Michele Carbone	University of Hawaii Cancer Center	UH Cancer Center: Research on new mesothelioma treatment agents (UHF Account #125-9620-4)	To include but not limited to use in connection with further research on the development of new mesothelioma treatment agents (Request for amended ORS agreement with UHF).	1	500,000
Overall - Total						6	1,282,234

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	4	653,350	3%
Dept of State	1	1,222,050	5%
DHHS-Dept of Health and Human Services	6	2,607,365	11%
DOC-Dept of Commerce	15	3,462,140	15%
DOD-Department of Defense	3	1,690,390	7%
DOE-Dept of Energy	2	4,026,711	18%
DOI-Dept of Interior	9	1,033,334	4%
Federal Agencies	1	249,443	1%
Foreign	1	260,870	1%
Hawaii- Business and Other	4	79,947	0%
Hawaii- Government Agencies	16	1,548,421	7%
Hawaii- Health Organizations	1	1,083	0%
Hawaii- Non-Profit Organizations	5	1,370,216	6%
Mainland- Business and Other	6	395,546	2%
Mainland- Health Organizations	1	23,122	0%
Mainland- Non-Profit Organizations	5	549,401	2%
National Aeronautics and Space Administration	5	2,726,837	12%
National Science Foundation	3	148,868	1%
US Colleges and Universities	14	930,042	4%
Overall - Total	102	22,979,136	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	1	245,992	1%
DHHS-Dept of Health and Human Services	6	2,148,329	13%
DOC-Dept of Commerce	2	141,085	1%
DOD-Department of Defense	2	375,759	2%
DOI-Dept of Interior	1	41,114	0%
DOT-Dept of Transportation	1	124,784	1%
ED-Dept of Education	6	1,341,116	8%
Federal Agencies	2	2,516,828	15%
Foreign	5	435,634	3%
Hawaii- Business and Other	2	522,998	3%
Hawaii- Dept of Education	1	3,385,612	20%
Hawaii- Government Agencies	20	4,091,959	24%
Hawaii- Non-Profit Organizations	7	188,234	1%
Mainland- Business and Other	3	86,248	1%
Mainland- Non-Profit Organizations	1	2,500	0%
National Aeronautics and Space Administration	1	92,688	1%
National Science Foundation	1	95,980	1%
US Colleges and Universities	5	925,731	6%
Overall - Total	67	16,762,591	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	21	2,409,222	2%
Dept of State	1	1,222,050	1%
DHHS-Dept of Health and Human Services	45	31,071,181	30%
DOC-Dept of Commerce	49	15,455,172	15%
DOD-Department of Defense	21	6,952,548	7%
DOE-Dept of Energy	5	4,421,014	4%
DOI-Dept of Interior	37	4,043,357	4%
ED-Dept of Education	4	1,348,081	1%
Federal Agencies	2	363,398	0%
Foreign	7	844,014	1%
Hawaii- Business and Other	14	778,557	1%
Hawaii- Government Agencies	47	9,369,341	9%
Hawaii- Health Organizations	3	288,377	0%
Hawaii- Non-Profit Organizations	24	2,535,566	2%
Mainland- Business and Other	25	2,002,484	2%
Mainland- Health Organizations	4	343,571	0%
Mainland- Non-Profit Organizations	11	870,189	1%
National Aeronautics and Space Administration	24	4,236,925	4%
National Science Foundation	46	12,154,975	12%
US Colleges and Universities	39	4,397,115	4%
Overall - Total	429	105,107,137	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	13	2,663,766	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	55	25,662,020	23%
Federal Agencies	11	15,679,743	14%
Foreign	15	3,079,480	3%
Hawaii- Business and Other	12	834,229	1%
Hawaii- Dept of Education	2	3,415,612	3%
Hawaii- Government Agencies	71	13,485,767	12%
Hawaii- Health Organizations	30	11,425,564	10%
Hawaii- Non-Profit Organizations	41	1,714,431	2%
Mainland- Business and Other	15	714,685	1%
Mainland- Health Organizations	1	18,750	0%
Mainland- Non-Profit Organizations	10	3,778,739	3%
National Aeronautics and Space Administration	4	1,348,848	1%
National Science Foundation	20	11,701,490	10%
US Colleges and Universities	15	1,642,483	1%
Overall - Total	363	112,595,111	100%