

Gifts, Grants, and Contracts for October 2011

The following gifts, grants and contracts received by all campuses during the period October 1, 2011 through October 31, 2011 total \$22,113,803. The unofficial FY 2012 year-to-date total is: \$222,239,495.

Research

DA-Dept of Agriculture

Agriculture, Dept - Agricultural Research Svc-FED	\$108,000
<u>Constructing a DNA-Based Systematic Framework for the Bactorcera Dorsalis Complex for Improved Control and Quarantine</u>	
Rubinoff, Daniel Z	Department of Plant and Environmental Protection Sciences
To identify both morphologically and through DNA sequence, the species and populations in the Bactorcera dorsalis fruit fly species group to improve control and quarantine against these serious agricultural pests.	
Agriculture, Dept - Agricultural Research Svc-FED	\$32,000
<u>Water and Carbon Footprint and Plant Parameters of Biofuel Production on the HC&S Sugarcane Lands in Maui, Hawaii</u>	
Crow, Susan E	Department of Natural Resources and Environmental Management
Determining plant growth, water use, and carbon footprint of sugarcane and/or other energy plants in the HC&S croplands in Maui, Hawaii.	
Agriculture, Dept - FED	\$45,000
<u>Development of Irradiation Treatment for High Impact Species</u>	
Price, Donald	Natural Sciences-UHH
Assess effects of ionizing irradiation on invasive species including light brown apple moth and spotted winged drosophila	
Agriculture, Dept - FED	\$200,353
<u>Collaborative Effort: Aquaculture and Livestock</u>	
Steiner, William	College of Agriculture, Forestry-UHH
Examine the feasibility of developing specific goat breeds and hybrid Australian Milling Zebu cattle (Phase I)	
Agriculture, Dept - Forest Service-FED	\$25,000
<u>Investigating the Influences of Native and Alien Plant Species on Water Quality and Quantity of Anchialine Ponds of the Dry Leeward Coast of Hawaii Island.</u>	
Ostertag, Rebecca	Natural Sciences-UHH
Increase understanding of the influence Prosopis pallida on water quality, water availability, and carbon, nitrogen and phosphorous dynamics in the dry coastal environments of the Kona Coast on Hawaii Island.	
Agriculture, Dept - Forest Service-FED	\$35,000
<u>Ecological Impacts of a Non-native Amphibian in Hawaii</u>	
Ostertag, Rebecca	Natural Sciences-UHH
Examine ecological impacts along an elevational gradient. Both direct and indirect effects will be investigated in varying climates and environmental conditions.	
Agriculture, Dept - Natl Institute of Food and Agriculture	\$109,955
<u>Post-harvest Management of Slugs and Snails Potentially Carrying Rat Lungworm (Angiostrongylus Cantonensis) on Hawaii's Farms and Gardens to Protect Local Children and Adults, and Visitors</u>	
Hollyer, James R	Department of Plant and Environmental Protection Sciences
Test several commercially available sanitizing solutions to develop a safe, effective, and efficient means of removing the Rat Lungworm (Angiostrongylus cantonensis) and its intermediate hosts (snails and slugs) from agricultural products.	

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Research

DHHS-Dept of Health and Human Services

- Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis \$452,580
Decryption of KIR Genetics and Function in Early HIV-1 Infection
Barbour, Jason Dept of Trop Med, Medical Microbiology and Pharmacology
The Natural Killer (NK) cell is a rapid effector arm of the innate immune response. Active before T cell responses, NK cells play a critical role against HIV and are regulated by a network of surface regulatory molecules, key among them the polymorphic KIR (killer Ig-like receptor).
- Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis \$406,257
Development of Piperidinois and Engelhardiones as Novel Antituberculosis Agents
Sun, Dianqing College of Pharmacy-UHH
Propose to optimize and develop synthetic piperidinol derivatives and natural Engelhardione analogues as novel antituberculosis agents
- Health & Human Svc, Dept/NIH - Natl Inst of Neurologcl Disordr & Stroke \$37,432
Imaging Studies in Neurotoxicity and Neurodevelopment
Chang, Linda Department of Medicine
To establish the infrastructure for a strong neuroscience research environment at JABSOM. The proposed projects will evaluate changes in higher cortical function and neurochemistry in individuals infected with HIV and in relation to substance-dependence, determine the physiological bases of these brain changes, and evaluate possible neurochemical changes.

DOD-Department of Defense

- Defense, Dept - Air Force Ofc of Scientific Rsch \$228,796
Advancing the Surveillance Capabilities of the Air Force's Large-Aperture Telescopes
Jefferies, Stuart M Institute for Astronomy
Conduct fundamental research into image restoration methods with the goal of significantly extending the region of performance for ground-based imaging of space-based targets, using the Air Force's 3-meter class telescopes.
- Defense, Dept - Army \$60,500
Natural Resources Research and Management for Navy Region Hawaii
Duffy, David C Department of Botany
Provide technical assistance to the Navy for native protection at Pearl Harbor and Lualualei, Oahu.
- Defense, Dept - Army \$393,500
Biological Stabilization Action - Island of Oahu: Stabilization of Oahu's Rare and Endangered Species Research
Duffy, David C Department of Botany
Conduct rare and endangered species research in conjunction with the Army's ecosystem management program to project natural resources on Army land on Oahu.
- Defense, Dept - Naval Research Lab \$199,999
Development and Applications of Nonlinear Dynamics Based Synthetic Computation
Ditto, William L College of Natural Sciences
This work involves understanding the underlying mechanisms of how chaotic systems generate computer instruction sets which lead to improved morphable chaotic computer architectures.

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DOD-Department of Defense

Defense, Dept - Office of Naval Research \$177,342

Origins of the Kuroshio and Mindanao Currents

Qiu, Bo Department of Oceanography

This proposed research is to investigate the 3-dimensional structure and temporal variability of the westward-flowing North Equatorial Current (NEC) and its bifurcation into the Kuroshio and Mindanao Currents in the Philippine Sea.

DOI-Dept of Interior

Interior, Dept - National Park Service \$56,500

Exfoliation Revealed: A Proposal to the Yosemite Fund

Martel, Stephen J Department of Geology and Geophysics

The proposed research bears on rock fracture in Yosemite National Park. The research involves stress measurements, fracture mapping, modeling fracture propagation, and evaluating how fractures affect rock falls in the Park.

Interior, Dept - National Park Service \$100,000

Managing Marine Ecosystem Responses to Increasing Nutrients and Other Disturbances Herbivory as a Control of Algal Overgrowth of Coral Reefs in Two Hawaii Parks

Beets, James Natural Sciences-UHH

In marine national park units, a more thorough understanding of algal growth and changes in benthic community structure in response to various levels of herbivory among herbivore groups is needed to understand and collect defensible data on local ecosystem responses to potential water-quality changes associated with adjacent urban development and to protect nationally significant resources.

Interior, Dept - National Park Service \$9,625

Sustainable Partnerships for Conservation

Kaneshiro, Kenneth Y Pacific Biosciences Research Center

Promotion of effective long-term management of Hawaii's native ecosystems through collaborative research, training and outreach among land managers, scientists, educators and the general public.

Interior, Dept - National Park Service \$9,990

Developing and Evaluating Techniques to Restore Native Hawaiian Plant Communities Threatened by Invasive Plants

Duffy, David C Department of Botany

Evaluate weed removal techniques and document efficacy, differential results in target areas, and the need for post weed control restoration of native plants at Haleakala National Park.

Interior, Dept - National Park Service \$172,237

Developing Rare Plant Monitoring and Recovery Strategies

Morden, Clifford W Department of Botany

Conduct surveys and identify seed sources of endangered, threatened and rare plant species; collect seeds and cuttings and propagate and outplant seedlings; and evaluate propagation and outplanting success.

Interior, Dept - National Park Service \$12,000

Task Agreement Under Hawaii-Pacific Islands Cooperative Ecosystem Studies Unit Cooperative Agreement

Birkeland, Charles Department of Zoology

To develop a multi-year, collaborative relationship with the University of Hawaii to develop and implement a program of coral reef research and technical assistance for the national Park of American Samoa (NPSA), including coral reef ecosystem processes and key physical, chemical, and man-made factors.

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DOI-Dept of Interior

Interior, Dept - U.S. Geological Survey \$50,155

Surveys to Determine Impacts of Invasive Ants in National Park of American Samoa

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Survey and map distributions of ants within NPSA; Identify environmental variables that influence distributions of invasive ants; Measure impacts of invasive ants on arthropod communities; Provide recommendations to park managers on ways to mitigate impacts of invasive ants within NPSA.

Interior, Dept - U.S. Geological Survey \$55,270

Evaluating Responses of the I'iwi to Nectar Availability and Habitat Quality to Promote Bird Recovery in Hawaii Volcanoes Natl Park

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Identify patterns of resource use by 'i'iwi (*Vestiaria coccinea*) both in habitats that are recovering naturally from ungulate browsing and in experimental treatments

ED-Dept of Education

Education, Dept - FED \$41,574

Project Ho`oku`i

Roberts, Kelly D Center on Disability Studies

Project Ho`oku`i will increase the number of Native Hawaiian high school students, who are able to acquire additional high school credits toward graduation and meet the academic qualifications to enroll in college classes as part of their high school coursework.

Education, Dept - FED \$43,817

PROJECT SPIRIT: Supporting Parents in Responsive Interactions

Johnson, Jean Lee Center on Disability Studies

Project SPIRIT has three main goals. 1) Improve at-risk Native Hawaiian children's education readiness and early development. 2) Provide evidence-based skills and support for Native Hawaiian parents of children ages 0-5 using the Responsive Teaching Curriculum and , 3) Provide professional development for Native Hawaiian interventionists.

Federal Agencies

Environmental Protection Agency \$76,000

Irrigation and Nitrogen Best Management Practices for Sustainable Use of Natural Resources and Environmental Protection

Fares, Ali Department of Natural Resources and Environmental Management

Best irrigation water and nutrient management practices (BMPs) are crucial in any effort for natural resource conservation and pollution preventions. The research, demonstration, training, education, and outreach activities of this proposed project would be carried out at the Hawaii Department of Education's (DOE) selected school campuses, and the neighboring city parks, golf courses and private properties on Oahu. the main goal of this project is to develop irrigation water and nutrient BMPs to optimize water and nutrient use efficiency, and prevent environmental pollution in Hawaii's ecosystems.

Justice, Dept - FED \$250,000

Safe Start Promising Approaches Project: Haupoa+MCBT, a Treatment Innovation

Kanuha, Valli Department of Sociology

Intervention research project to design & test treatment for children age 3-17 and their mothers who are exposed to domestic violence, in collaboration with Parents and Children Together, a family service agency in Honolulu

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Research

Foreign

U.S. - Israel Binational Science Fdn \$8,050
Collaborative Research: Phylogeny of the Octocorals (phylum Cnidaria), Family Xenidiidae: Application of Molecular and Morphology Based Approaches
Toonen, Robert J Hawaii Institute of Marine Biology
We propose to collaborate using DNA and traditional taxonomic methods to resolve the systematics of this enigmatic but important coral group and produce a field guide for them.

Hawaii- Business and Other

Bishop Museum \$58,080
Discovery and Inventory of Papua New Guinea's Megadiverse Flora
Ranker, Thomas A Department of Botany
The graduate assistant will assist with the collection, curation, and digitization of botanical specimens from Papua New Guinea.

East West Center \$69,120
Climate Adaptation Partnership for the Pacific (CAPP): Pacific RISA Phase II
Burkett, Maxine Sea Grant College Program
This project will assist governments in preparing and adopting laws and policies that facilitate cost-effective, efficient, and equitable adaptation strategies. ICAP Director (Maxine Burkett), law students, and participating law faculty translate scientific research on climate change into policy recommendations and model legislation.

East West Center \$108,800
Climate Adaptation Partnership in the Pacific: Pacific RISA Phase 2 for UH SSRI
Anderson, Cheryl Social Science Research Institute
UH SSRI/Anderson's scope in the overall work will be to conduct vulnerability and adaptation assessments for planning climate change adaptation projects in the Pacific Islands, specifically related to reducing climate-related hazards risks.

East West Center \$81,492
Assessing Sustainability of Ground Water Resources Under Future Climate Conditions
El-Kadi, Aly I Water Resources Research Center
We will use projections of climatic conditions together with stochastic hydrologic models to assess the sustainability of ground water resources. With advance planning, through research, the consequences of climate change on water systems can be mitigated.

East West Center \$135,071
Year 1 - Climate Adaptation Partnership for the Pacific (CAPP)
Hamilton, Kevin P Department of Meteorology
IPRC will conduct research on developing and applying regional climate models and will contribute to outreach efforts and stakeholder interactions.

Malama Kahalawai Inc \$58,467
Mitigation of Upland Impacts in West Maui Watersheds
Morden, Clifford W Department of Botany
Reduce sedimentation into the Honolua/Mokuleia Marine Life Conservation District by improving the watershed ecosystem upland.

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Hawaii- Government Agencies

County of Hawaii	\$5,000
<u>Innovative, Integrated Pest Management Practices for Sweetpotatoes</u>	
Miyasaka, Susan C	Department of Tropical Plant and Soil Sciences
This project will develop and demonstrate an innovative, integrated pest management approach for sweet potato production. We will determine and demonstrate optimal curing of sweetpotatoes. Also, we will determine the presence of black rot and disseminate information on the benefits of clean harvesting fields and crop rotation.	
Health, Dept - HI	\$270,500
<u>State Prevention Framework State Incentive Grant Evaluation</u>	
Yuan, Sarah	Center on the Family
Conduct evaluation of key processes and outcomes of the Hawaii State Prevention Framework State Incentive Grant Project (SPF-SIG) at the state, community, and program levels.	
Health, Dept - State Office of Rural Health-HI	\$9,500
<u>PCMH Infrastructure Capacity Project</u>	
Withy, Kelley Marie	Department of Complementary and Alternative Medicine
Geo-mapping the current rural primary care workforce to show primary care workforce to population ratio projected forward 2 years, through 2020. Will provide an assessment of our rural primary care workforce.	
Human Services, Dept - HI	\$13,500
<u>Wrap-Services</u>	
Chandler, Susan	School of Social Work
Provide research, facilitation and consultation for Hawaii model of child welfare wrap-around implementation design.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$44,550
<u>Project Support for the Hawaiian Ecosystems at Risk Project (HEAR)</u>	
Duffy, David C	Department of Botany
Support science-based management of invasive species in Hawaii by providing technology, methods, and information to the conservation community.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$106,861
<u>Project Support for the Yellow-Faced Bee Survey Program</u>	
Duffy, David C	Department of Botany
Assess the presence and distribution of endangered and potentially endangered native Hawaiian yellow-faced bees on lands adjacent to military installations on Oahu and the island of Hawaii.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$34,272
<u>Natural Area Reserves Enhancement (Oahu)</u>	
Duffy, David C	Department of Botany
Provide research support to the Natural Area Reserves System Commission to recommend designation of new lands into the Natural Area Reserves System.	
Land & Natural Res, Dept - HI	\$48,000
<u>Acoustic Monitoring of Long-term Movement Patterns, Habitat Use and Site Fidelity of Food and Game Fishes in the Main Hawaiian Islands. Phase 5</u>	
Meyer, Carl G	Hawaii Institute of Marine Biology
We will capture reef fish (white ulua) from sites around Oahu, equip them with coded transmitters and monitor their movements using an array of underwater receivers.	

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Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$41,200
<u>Assessing Impacts of Myoporum thrips (Klambothrips myopori) Infestation in Hawaii: Distribution, Rate of Spread, and Impact on Forest Resources</u>	
Kaufman, Leyla	Department of Plant and Environmental Protection Sciences
Determine the current spatial distribution of Myoporum thrips on M. sandwicense, determine infestation rates/density as well as seasonal phenology in infested sites, evaluate the impact of myoporum thrips on tree health across a wide range of environmental conditions.	
Land & Natural Res, Dept - HI	\$261,329
<u>Kauai Endangered Forest Bird Conservation Research and Management</u>	
Duffy, David C	Department of Botany
Continue research and field management to restore endangered Hawaiian forest birds on Kauai.	
Land & Natural Res, Dept - HI	\$61,690
<u>Natural Area Reserves Management: Oahu</u>	
Duffy, David C	Department of Botany
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.	
Land & Natural Res, Dept - HI	\$55,064
<u>GIS Research on State Forest Lands</u>	
Duffy, David C	Department of Botany
Work cooperatively with DLNR on GIS mapping of forest fire response and development of a state forestry plan.	
Land & Natural Res, Dept - HI	\$50,000
<u>Coastal Lands Data Program</u>	
Fletcher, Charles H III	Department of Geology and Geophysics
Provide for development, management and dissemination of coastal data and research products for the DLNR Office of Conservation and Coastal lands as outlined in the memorandum of agreement to help it in its efforts to protect and conserve beaches and dunes for present and future generations.	
Land & Natural Res, Dept - HI	\$50,000
<u>Coastal Lands Data Program</u>	
Fletcher, Charles H III	Department of Geology and Geophysics
Provide for development, management and dissemination of coastal data and research products for the DLNR Office of Conservation and Coastal lands as outlined in the memorandum of agreement to help it in its efforts to protect and conserve beaches and dunes for present and future generations.	

Hawaii- Health Organizations

Kuakini Medical Center	\$12,355
<u>KMC Research - Participant Visits</u>	
Inaba, Michiko	Department of Geriatric Medicine
Conduct participant neurological exams, including proxie interviews. Dictate cases, attend consensus diagnosis conferences, and take part in some data cleaning.	

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Research

Hawaii- Health Organizations

Kuakini Medical Center \$21,872

Epidemiology of Aging and Dementia Autopsy Research

Uyehara-Lock, Jane H Department of Pathology

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.

Queen's Medical Center \$183,842

Functional Genomics and Molecular Imaging of Liver Disease and Cancer

Okimoto, Gordon S UH Cancer Center

Using positron emission tomography/computed tomography (PET/CT) of liver cancer tissue, this study will perform integrated analysis of high-dimensional microarray data to enhance the identification of genes, pathways, and novel biomarkers for the early diagnosis of liver cancer.

Hawaii- Non-Profit Organizations

Friends of Waikiki Aquarium \$10,000

Removal of Invasive Algae from Waikiki and Replanting Natives

Smith, Celia M Department of Botany

Quarterly cleanups of three invasive alien algae will be run, removing biomass by hand and composting biomass with a new partner, the Honolulu Zoo. Replanting activities will test ideas for the scale and techniques necessary to restore the coastal reef flat to a more natural species assemblage.

HCF-Leahi Fund \$50,000

Role of Tumor Necrosis Factor (TNF) Signaling in Chrysotile-Asbestos Induced Mesothelioma

Gaudino, Giovanni UH Cancer Center

Recently we found that exposure to chrysotile in vitro activates the B-catenin pathway, via the inflammatory cytokine TNF- α and its receptor RII. This proposal aims at clarifying how TNF- α /RII susceptibility of single individuals may determine mesothelioma development.

HCF-Leahi Fund \$35,000

Targeted Nanocarriers of siRNA for the Treatment of Asthma

Chougule, Mahavir B College of Pharmacy-UHH

The objective of this proposal is to formulate siRNA delivery system targeted specifically to STAT6 for the treatment of asthma.

University of Hawaii Foundation \$70,000

Seafloor Hydrothermal Research

Martinez, Fernando Hawaii Institute of Geophysics and Planetology

Further the instructional and research objectives of the University of Hawaii with the study of seafloor hydrothermal systems including sea-going expeditions, student training, and research into the formation, nature and evolution of seafloor hydrothermal systems.

University of Hawaii Foundation \$3,500

Cell and Molecular Biology Program

Humphreys, Tom D II Pacific Biosciences Research Center

Study of development and regeneration of neural structures of *Ptychodera Flava*.

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Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$12,000
Impact of Digitization Information Technology to Improve Access and Preservation of Cultural Assets in Hawaii
Quiroga, Luz M Department of Information and Computer Sciences
Digitization projects goals include increasing access to information and contributing to preservation of cultural assets valued to the society. This research will contribute to evaluating digitalization efforts in Hawaii, addressing the impact digitization projects have on a community, factors that contribute to this impact and how to measure those factors.

Mainland- Business and Other

Concurrent Technologies Corp \$82,436
Hawaii Undersea Military Munitions Assessment (HUMMA) SONAR Survey
Edwards, Margo H. Hawaii Institute of Geophysics and Planetology
Using HMRG sonar (IMI-120) aboard the KoK to survey the seafloor south of Pearl Harbor, Hawaii in search of munitions that were sea disposed at the end of World War II.

Health Research, Inc \$50,579
Chemical Markers of Heterocyclic Aromatic Amines for Human Biomonitoring
Le Marchand, Loic UH Cancer Center
Establish noninvasive chemical markers of heterocyclic aromatic amines (HAAs) to allow for an assessment of long-term HAA exposure through the diet to determine cancer risk.

MVSystems, Inc \$133,375
Photoelectrochemical Hydrogen Production
Liaw, Bor Yann Hawaii Natural Energy Institute
An "energy economy" based on clean-burning hydrogen instead of fossil fuels will be an important part of our nation's future. In this research, the Hawaii Natural Energy Institute will be developing low cost photoelectrochemical devices to produce hydrogen directly from water using sunlight as the energy source.

Nathan Associates Inc. \$41,038
Pacific Disaster Center Asia-Pacific Economic Cooperation (APEC) Technical Assistance and Training Facility (TATF)
Gaines, James R Vice President for Research
Provide applied information research and analysis support services to APEC TATF and its counterparts for the development of policies, institutions and information products for disaster management and humanitarian assistance communities of the Asia Pacific region

Northrop Grumman Corporation \$15,000
Corrosion Control Studies of Alloys Using Hybrid Ceramic-Polymer Coatings
Hihara, Lloyd H Department of Mechanical Engineering
Ceramer coatings previously developed at UH will be tested on various materials in the laboratory and at field sites

Smithsonian Astrophysical Observatory \$75,267
Automatically Detecting & Tracking CMEs in Coronagraph Data
Habbal, Shadia R Institute for Astronomy
The proposed work will build on current efforts to establish a new automated multiscale CME detection and tracking algorithm. The normalising radial-graded filter (NRGF) is applied to images to remove the steep gradient in coronal brightness, while a deconvolution of dynamic and quiescent structures separates the background intensity level.

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Research

Space Telescope Science Institute \$33,670

Boron in F Stars in the Hyades - Insights into the Li-Be Dip

Boesgaard, Ann M Institute for Astronomy

Determining the abundance of boron and deficiency of lithium in a selection of Hyades dwarf stars.

Space Telescope Science Institute \$80,755

Probing Ultracool Atmospheres and Substellar Interiors with Dynamical Masses

Liu, Michael C Institute for Astronomy

We will obtain high-quality resolved spectra for a sample of 3 brown dwarf binaries of known mass. Our goal is to measure the lithium abundances of the two component, which appear to hover around the theoretical expectation for the lithium burning limit.

Space Telescope Science Institute \$24,000

Bridging the Brown Dwarf/Jupiter Temperature Gap with a Very Cold Brown Dwarf

Liu, Michael C Institute for Astronomy

We propose to use Hubble Space Telescope to obtain far-red and near-IR medium-band photometry of CFBDSIR J1458+10B and to measure its 0.8-1.6 micron spectral energy distribution.

Woods Hole Oceanographic Institution \$18,305

Acoustic Behavior, Baseline Ecology and Habitat Use of Pelagic Odontocete Species of Concern

Nachtigall, Paul E Hawaii Institute of Marine Biology

We propose to employ non-invasive, acoustic behavior and orientation tags (DTAGS) to establish critical baseline information on the ecology and sound use of false killer and melon headed whales. Tags will provide novel and needed baseline acoustic characteristics and associated acoustic behavior and dive patterns.

Woods Hole Oceanographic Institution \$48,889

Shoreline Evolution and Coastal Resiliency at Two Military Installations: Modeling of Hurricane Surge, Wave, and Overwash

Cheung, Kwok Fai Department of Ocean and Resources Engineering

Perform hurricane surge, wave, and overwash modeling in support of a study on shoreline evolution and coastal resiliency at Eglin Air Force Base, Florida and Camp Lejeune, North Carolina.

Mainland- Health Organizations

American Psychological Foundation \$20,000

Mindfulness as Youth Suicide Prevention Intervention for Native Americans

Le, Thao Department of Family and Consumer Sciences

This project proposes to develop a mindfulness-based youth suicide prevention curriculum for Native American youth that will be pilot tested in a sample of 30 youth.

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Research

Mainland- Health Organizations

Hutchinson (Fred) Cancer Research Center \$121,157

Colorectal Cancer Genome-Wide Association Studies Consortium

Le Marchand, Loic UH Cancer Center

Using the Multiethnic Cohort Study Caucasian samples, this study proposes to collaborate with the Colorectal Cancer GWAS Consortium to replicate the associations found with genetic variants in other ongoing whole genome-wide association studies.

Mainland- Non-Profit Organizations

National CFIDS Foundation \$4,000

CFS: Screening for BMAA in CFS Serum Samples and the Effects of Toxins, Lipid Substances, and antibodies to Phospholipids on Mitochondria and NB Cells

Davis, Harry B IV Dept Anatomy, Biochemistry, Physiology and Reproductive Biol

Sera samples from Chronic Fatigue patients will be sent to the lab by their physicians and will be screened for specific toxins and antibodies. Tissue culture and animal tissues will also be examined.

Universities Space Research Association \$61,529

Experimental Study of Oxygen-isotope Exchange in Melilite During Hydrothermal Alteration

Krot, Alexander N Hawaii Institute of Geophysics and Planetology

We will measure O-isotope diffusion coefficients in melilite in the presence of a high-temperature fluid phase, and study mineralogy, petrography, O-isotope compositions of primary and secondary minerals in isotopically heterogeneous refractory inclusions from CV chondrites.

University Corporation for Atmospheric Research \$49,996

Hawaii GOES-R Test Bed for Satellite Aerosol Retrievals

Porter, John N Hawaii Institute of Geophysics and Planetology

Develop and validate aerosol retrieval algorithm for future GOES-R satellite.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$90,000

Support Services, Maintenance and Calibration of the TLRs-4 System

O'gara, Daniel J Institute for Astronomy

To continue the history of Haleakala as one of two fixed, well-defined geometric reference points in NASA's tectonic motion data solution.

National Science Foundation

National Science Foundation \$999,973

CREST: Center in Tropical Ecology & Evolution in Marine and Terrestrial Environments

Price, Donald Natural Sciences-UHH

Center for Research Excellence in Science & Technology

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Research

National Science Foundation

National Science Foundation \$999,998
CREST: Center in Tropical Ecology & Evolution in Marine and Terrestrial Environments
Price, Donald Natural Sciences-UHH
Center for Research Excellence in Science & Technology

National Science Foundation \$70,019
CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the University of Hawaii
Roussev, Ilia I Institute for Astronomy
We hereby request supplemental funds to extend the research agenda of this CAREER project. The additional work effort described below was not part of the original proposal, but it will directly extend our ongoing investigations under the parent award concerning the solar corona and related solar activity (manifested as flares, Coronal Mass Ejections (CMEs), etc.). In particular, we propose to better constrain the coronal heating function yielding the observed structure of the solar corona in EUV and soft X-rays using Data Assimilation (DA) methods.

US Colleges and Universities

California Davis, University of \$125,015
AANCART: The National Center for Reducing Asian American Cancer Health Disparities
Agbayani, Amy Student Equity, Excellence, and Diversity
The overall vision is to reduce cancer disparities among Asian Americans. Using community-based participatory research, the Center will use its established network and academic-community partnerships to conduct innovative outreach, research and training efforts in five cities in Hawaii, California, and Washington.

California Davis, University of \$41,203
Western Regional Center in the National Plant Diagnostic Network
Alvarez, Anne M Department of Plant and Environmental Protection Sciences
We will support plant diagnostics in Hawaii and the Pacific Region by performing standard and distance diagnostic procedures on plant and insect samples and participating in detector training activities.

California Irvine, University of \$13,695
Genetic Signatures of Dengue Virus Emergence
Bennett, Shannon N Dept of Trop Med, Medical Microbiology and Pharmacology
Dengue virus, causing fever with occasional hemorrhaging, is expanding worldwide, producing more frequent, severe epidemics. Evidence suggests genetic changes in circulating viruses underlie these dynamics. We compare virus sequence data from multiple populations all undergoing endemic/epidemic transitions for a universal genetic factor.

California San Francisco, University of \$136,700
Macrophage Targeted Therapy for HAD and HIV Disease (Project 3)
Shikuma, Cecilia M Department of Medicine
The grant application continues Year 2 goals with establishing the clinical study and protocol in Hawaii to test new therapies for HIV-1-associated dementia.

California San Francisco, University of \$126,728
Peripheral Reservoir of HIV DNA in Monocytes Pivotal to Cognition in HIV
Shikuma, Cecilia M Department of Medicine
To provide the laboratory work and logistical support for this research project.

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US Colleges and Universities

Chaminade University	\$238,995
<u>Regulation of Cardiac Pathologies by the Store Operated Ion Channel CRACM1</u>	
Stokes, Alexander	Department of Cell and Molecular Biology
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 knockout of CRACM1 exacerbates cardiac hypertrophy. The data generated from this proposal will identify CRACM1 as fundamental components of cardiac hypertrophy, and myocardial infraction reperfusion injury.	
Drew, Charles R., University	\$50,000
<u>Oral Contraceptives and Subantimicrobial Doxycycline: Effect on Endometrial MMPs</u>	
Kaneshiro, Bliss	Department of Obstetrics, Gynecology, and Women's Health
Purpose: To determine how an oral contraceptives and sub-antimicrobial doxycycline affect endometrial matrix metalloproteinase activity. Matrix metalloproteinase activity from endometrial biopsies will be described and compared (1) at baseline, (2) after 3 weeks of taking oral contraceptives and (3) after 4 weeks of taking an oral contraceptive and subantimicrobial doxycycline.	
Drew, Charles R., University	\$50,000
<u>Molecular Pathways of the Anti-Breast Cancer Effect of Bamboo Extract</u>	
Panee, Jun	Department of Cell and Molecular Biology
The project uses proteomics and molecular modeling techniques to study the mechanisms of the anti-breast cancer effect of bamboo extract.	
Hawaii Pacific University	\$2,000
<u>Ecological Factors and Drug Use of Native Hawaiian Youth</u>	
Helm, Susana	Department of Psychiatry
Examine the ecological risk and protective factors relevant to youth of Hawaiian ancestry in Hawaii.	
Illinois, University of	\$100,000
<u>Hybrid Masonry Connector Development and Testing</u>	
Robertson, Ian N	Department of Civil and Environmental Engineering
This project is part of a larger NEESR project under Principal Investigator Daniel Abrams of the University of Illinois (UIUC). The scope of the UHM component of this overall research program is to develop and test steel-masonry connectors for use in the full-scale hybrid masonry panel tests to be performed at UIUC.	
Language Learning Prog - Univ of Michigan	\$10,000
<u>Experience-induced Biases on Statistical Language Learning</u>	
Onnis, Luca	Department of Second Language Studies
A set of studies will investigate how language structure emerges in childhood, what the optimal conditions for raising bilingual children are, and why languages are harder to learn in adulthood.	
Maryland, University of	\$110,000
<u>Alliance for Coastal Technology - Hawaii Pacific Island Partner</u>	
Atkinson, Marlin J	Hawaii Institute of Marine Biology
Test and evaluate sensor technology for coastal moorings. Provide outreach activities to help assess instrumentation needs for Integrated Ocean Observing System and other coastal management needs.	

Gifts, Grants, and Contracts for October 2011

Research

US Colleges and Universities

Miami, University of	\$271,870
<u>Mitochondrial Determinants of Metabolic Disease in HIV-Infected Children</u>	
Gerschenson, Mariana	Department of Cell and Molecular Biology
Mitochondrial protein, DNA, and RNA assays (no genetic studies) will be measured in human blood or cheek cells (with no personal identifiers).	
Ohio State University	\$80,381
<u>A Systems Approach to Managing Microbial Threats to Greenhouse Tomatoes</u>	
Alvarez, Anne M	Department of Plant and Environmental Protection Sciences
Investigator will work with an interstate team of researchers to develop innovative disease management practices for bacterial, fungal, virus and viroid diseases of tomato. This involves genetic sequencing of bacterial genes to determine relationships among virulent strains and to trace geographical origins of virulent bacteria.	
Oregon State University	\$10,917
<u>Human Health/Aquaculture: BMP</u>	
Haws, Maria C.	Pacific Aquaculture-UHH
Southern California, University of	\$49,204
<u>Metagenomics, Metatranscriptomics, and Single-Cell Genomics of Microbial Communities Inhabiting Juan de Fuca Ridge Flank Borehole Fluids</u>	
Rappe, Michael S.	Hawaii Institute of Marine Biology
We propose to sequence the DNA and RNA of microbial communities inhabiting the deep subsurface environment of the Juan de Fuca Ridge, as well as isolate and identify single cells for genome amplification.	
Texas Southwestern Medical Center Dallas, University of	\$68,350
<u>Biophysical Analysis of LRRK2</u>	
Jameson, David M	Department of Cell and Molecular Biology
Mutations in the LRRK2 protein are responsible for an inherited form of Parkinson's Disease, but the effects of these mutations are unclear. To gain insight into its role in this disorder, we will compare the physical properties and cellular locations of normal and mutant forms of LRRK2.	
Utah State University	\$77,530
<u>Developing Sustainable Pest Control Practices Against Major Pests in Papaya in Hawaii</u>	
Kaufman, Leyla	Department of Plant and Environmental Protection Sciences
Results of this project will provide management strategies to control main papaya pests by using petroleum oils, kaolin clay and cover crops.	
Yale University	\$137,675
<u>Integrated Experimental and Modeling Studies of Mineral Carbonation as a Mechanisms for Permanent Carbon Sequestration in Mafic/Ultramafic Rock</u>	
Johnson, Kevin T	Department of Geology and Geophysics
Integrated experimental and modeling studies of mineral carbonation as a mechanism for permanent carbon sequestration in mafic/ultramafic rock. Experiments and field work on carbon sequestration in Hawaiian rocks.	

Subcount: 96

Subtotal: \$10,078,246

Gifts, Grants, and Contracts for October 2011

Non-Research

DA-Dept of Agriculture

Agriculture, Dept - FED \$14,872

The Citrus Clean Plant Network in Hawaii

Melzer, Michael John Department of Plant and Environmental Protection Sciences

Establish a foundation block greenhouse for the growth of citrus plants free of graft-transmissible pathogens.

Agriculture, Dept - Natl Institute of Food and Agriculture \$136,547

Preparing Hawaii Youth to Succeed in Sustainable Agriculture

Martini, Mary I Department of Family and Consumer Sciences

We propose to develop a hands-on educational program for at-risk Hawaii youth. The project will be a collaboration between the University of Hawaii, Oahu County Extension, the non-profit organization Family education Centers of Hawaii, and the Hawaii Public School System.

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA) \$901,161

Model State-Supported Area Health Education Center

Withy, Kelley Marie Department of Complementary and Alternative Medicine

Improve diversity, distribution, and quality of the health professions workforce.

Health & Human Svc, Dept/ACF - Adm on Devlpmntl Dsbly \$150,000

Hawaii Emergency Preparedness special Initiatives

Skaggs, Briana Dawn Center on Disability Studies

This project will identify and recruit individuals with a developmental disability and their families who have independent schedules, implement project activities that support participants towards emergency preparedness and community leadership. Activities will be tracked, data evaluated and results disseminated to stakeholders.

DOC-Dept of Commerce

Commerce, Dept - Economic Dev Administration-FED \$220,000

UH-PBCP EDA University Center 2011-12

Morton, John F Vice President for Community Colleges

This Economic Development Administration University Center Program award supports the economic development and technical assistance work of the Pacific Business Center Program that will be provided to public and private sector clients located in Hawaii and throughout the American Affiliated Pacific Islands.

DOD-Department of Defense

Defense, Dept - Army \$316,928

Instruction of Psychopharmacology at Tripler Army Medical Center

Fisher, Edward Chancellor, University of Hawaii at Hilo-UHH

Provide first year instruction/training for up to 10 students per class/cohort in clinical psychopharmacology for Tripler Army Medical Center

Gifts, Grants, and Contracts for October 2011

Non-Research

DOI-Dept of Interior

Interior, Dept - National Park Service \$25,100
Scenario Planning for Climate Change in Hawaii National Parks
Anderson, Cheryl Social Science Research Institute
The UH Social Science Research Institute will support the National Park Service Climate Change Response Program training with scenario planning expertise and experience. The goal is to provide an example of scenario planning that holistically addresses cultural and natural resources, and draws in park stakeholders to focus on climate change.

ED-Dept of Education

Education, Dept - FED \$43,975
Jacob K. Javits Fellowship Program
Tokuno, Kenneth A Graduate and Professional Education
Funding for Graduate Study FY 2011 - Benjamin Sota.

Education, Dept - FED \$43,784
Hawaii Preschool Positive Engagement Project (HPPEP)
Johnson, Jean Lee Center on Disability Studies
The project aims for 1) Sustained improvements in early learning outcomes, 2) Strengthened protective factors for families and children, and 3) Increased and sustained employment of teachers and staff in the Early Education field.

Education, Dept - FED \$85,266
Kako'o Ikaika: Supporting Adolescent Hawaiian Students to Achieve High Standards
Lai, Morris K Curriculum Research and Development Group
Kako'o Ikaika is a three-year project designed to help six secondary schools with large numbers of Native Hawaiian students to achieve high standards and graduation rates. The project will help build a school-wide model that provides a multi-tiered system for literacy and behavior supports.

Education, Dept - FED \$86,502
Heluhelu Maoli: Building Strong Foundations in Reading and Mathematics
Lai, Morris K Curriculum Research and Development Group
Heluhelu Maoli is a three-year project designed to provide strategic supports that build foundational concepts and knowledge in K-3 Hawaiian students. The project identifies struggling students, provides interventions for them and assists them before they fall behind, and uses high-quality instruction for all students.

Education, Dept - FED \$46,612
Mohala Na Pua
Yamauchi, Lois A Department of Educational Psychology
The project will (a) promote scientific thinking and access to science education among young Hawaiians, (b) provide high quality professional development to early childhood educators serving Hawaiian children in prekindergarten and Grade K-1, and (c) study what promotes preschool and elementary teachers collaborating to promote Hawaiian children's transition to kindergarten.

Gifts, Grants, and Contracts for October 2011

Non-Research

ED-Dept of Education

Education, Dept - FED		\$43,160
<u>Waianae Program for Afterschool Literacy Support (W-PALS)</u>		
Fukuda, Kay L	Student Equity, Excellence, and Diversity	
W-PALS will implement an afterschool literacy program in 5 elementary schools in Waianae that emphasizes place-based educational curriculum and instructional strategies to improve student academic outcomes.		
Education, Dept - FED		\$2,502
<u>Proposal to Continue Funding of the UH National Foreign Language Resource Center (NFLRC), 2010-2014, under the Language Resource Centers Program</u>		
Schmidt, Richard W	Department of Second Language Studies	
The National Foreign Language Resource Center will continue to serve as a resource to improve the nation's capacity to teach and learn foreign languages effectively through projects, publications, and professional development activities, with a focus on less commonly taught languages, particularly of Asia and the Pacific.		
Education, Dept - FED		\$399,977
<u>Navigating the Success of Pacific Islanders</u>		
Mellon, James P	Vice Chancellor for Student Affairs-UHH	
Facilitate and improve the success of Pacific Islanders through two major activities: 1) developing and implementing a comprehensive, culturally informed student support program designed to strengthen student learning, engagement, and success and 2) conducting and disseminating research into best practices for facilitating their success		
Education, Dept - FED		\$19,558
<u>Upward Bound Rural Year 1 07-08</u>		
Woods, Leonard	Vice Chancellor for Student Affairs-UHH	
Education, Dept - FED		\$20,833
<u>Upward Bound Rural Year 1 07-08</u>		
Woods, Leonard	Vice Chancellor for Student Affairs-UHH	
Education, Dept - FED		\$213,180
<u>University of Hawaii McNair Student Achievement Program</u>		
Goo, Maile S.	Vice Chancellor for Student Affairs	
The University of Hawaii at Manoa submits a new Ronald E. McNair Postbaccalaureate Achievement Program proposal to address the graduate degree attainment of first generation, low income students, and underrepresented groups. This undertaking is designed to strengthen student preparation for graduate school admission.		
Education, Dept - FED		\$30,672
<u>Place-Based Learning and Community Engagement in School (PLACES)</u>		
Fukuda, Kay L	Student Equity, Excellence, and Diversity	
The project will improve the academic achievement and school engagement of over 500 students from Waianae Elementary School through the implementation and evaluation of place-and culture-based curriculum that addresses reading, science, and social studies; the provision of ongoing professional development of teachers; and the involvement of key community organizations.		

Gifts, Grants, and Contracts for October 2011

Non-Research

ED-Dept of Education

Education, Dept - FED	\$82,106
<u>The University of Hawaii at Manoa Children's Center-Child Care Access Means Parents in School (UHMCC-CCAMPIS)</u>	
Watkins, Wayne	Student Equity, Excellence, and Diversity
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.	
Education, Dept - FED	\$244,575
<u>Adapted Physical Education Training of US Pacific Islanders (Project APEPI)</u>	
Murata, Nathan M	Kinesiology and Leisure Science Department
Prepare highly qualified adapted physical educators from Guam, American Samoa, CNMI and rural Hawaii using a	
Education, Dept - FED	\$87,288
<u>Piha Pono: A Robust RTI Approach Integrating Reading, Mathematics and Behavior Supports</u>	
Lai, Morris K	Curriculum Research and Development Group
The Curriculum Research & Development Group will develop, implement, and evaluate a Response to Intervention curricular approach integrating reading, mathematics, and behavior supports in 10 Hawaii elementary schools through a collaboration with the Hawaii Department of Education and by partnering with a Native Hawaiian Education Program grant.	
Education, Dept - FED	\$1,064,864
<u>Heluhelu Maoli: Building Strong Foundations in Reading and Mathematics</u>	
Lai, Morris K	Curriculum Research and Development Group
Heluhelu Maoli is a three-year project designed to provide strategic supports that build foundational concepts and knowledge in K-3 Hawaiian students. The project identifies struggling students, provides interventions for them and assists them before they fall behind, and uses high-quality instruction for all students.	
Education, Dept - FED	\$17,071
<u>Growing Pono Schools (GPS)</u>	
Roberts, Kelly D	Center on Disability Studies
The goal of Growing Pono Schools (GPS) is to improve the academic outcomes of NH youth and participating school climates. This will be accomplished through the development, implementation, and evaluation of an advisory and character education curriculum, supported by the development of a video production guild, for use with elementary, middle/junior high, and high school students.	
Education, Dept - FED	\$3,425,674
<u>Gaining Early Readiness and Awareness for Undergraduate Programs State Grant (GEAR UP)</u>	
Johnsrud, Linda K	Executive Vice President for Academic Affairs/Provost
The goal of GEAR UP is to encourage and help more low-income students in Hawaii to prepare and enroll in post secondary education. Working closely with HIDOE, UH and community partners, GU activities focus on students' academic preparation and college aspirations. GU will also work with its partners to strengthen the education pipeline through curriculum articulation and professional development activities.	

Gifts, Grants, and Contracts for October 2011

Non-Research

ED-Dept of Education

Education, Dept - FED	\$43,817
<u>Hui Manawa Kuponu</u>	
Maglaya, Michael H	College Opportunities Program
The project will increase postsecondary access for Native Hawaiian (NIH) high school students from at-risk communities throughout Hawaii, provide financial assistance and academic support to undergraduate and graduate students at the UHM, and increase the retention and graduation rates of NIH students attending UHM.	
Education, Dept - Ofc of Special Ed & Rehab Svcs-FED	\$291,709
<u>Project Lailima</u>	
Sorensen, Christine	College of Education
Revise and improve existing special/elementary education teacher preparation program by merging standards-based coursework, enhanced clinical experiences, and training in evidence-based practices.	

Foreign

American Samoa, Govt of	\$48,531
<u>American Samoa Early Childhood Education Project 8/11 - 7/12</u>	
Zuercher, Deborah	Center on Disability Studies
To provide courses which lead towards Early Childhood endorsement through the bachelor of education degree via the Territorial Teacher Training Assistance Project in American Samoa.	
Commonwealth of Northern Mariana Islands	\$108,072
<u>Project BRABU Evaluation and Data Management</u>	
Roberts, Kelly D	Center on Disability Studies
The evaluation team will develop and implement data collection, management, analysis, interpretation and reporting plans, and lead on this objective and ensure stakeholder input is fully integrated.	
Guam Dept of Public Health & Social Svcs	\$50,000
<u>Guam Department of Public Health and Social Services (DPHSS) Health Information Infrastructure Assessment</u>	
Okamura, Norman H	Social Science Research Institute
UH TASI shall conduct a Guam DPHSS Health Information Infrastructure Assessment included a review of the current Wide Area Network in collaboration with the Guam Bureau of Information Technology. As part of the assessment UH TASI shall prepare a summary of the rural Health Care Program application and a final written report.	

Hawaii- Business and Other

Alu Like, Inc	\$297,644
<u>Hooulu Project</u>	
Goodman, James	Chancellor, Leeward Community College
To improve career and technical education services for Hawaiian natives	
Alu Like, Inc	\$250,233
<u>Native Hawaiian Digital Arts Project</u>	
Kimura, Guy	Chancellor, Hawaii Community College
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.	

Gifts, Grants, and Contracts for October 2011

Non-Research

Hawaii- Business and Other

Alu Like, Inc	\$34,320
<u>Alu Like, Inc., Native Hawaiian Career Technical Education Program - Poina Nalu</u>	
Akamine, Gleniss F Ka'iulani	Chancellor, Honolulu Community College
To increase the enrollment, retention and completion of Native Hawaiians in career technical education programs.	
Alu Like, Inc	\$307,999
<u>Alu Like, Inc., Native Hawaiian Career Technical Education Program - Poina Nalu</u>	
Akamine, Gleniss F Ka'iulani	Chancellor, Honolulu Community College
To increase the enrollment, retention and completion of Native Hawaiians in career technical education programs.	
Bishop Museum	\$49,825
<u>ECHO 9</u>	
Straney, Donald O	Chancellor, University of Hawaii at Hilo-UHH
Develop and publish innovative culturally-based STEM education curriculum centered on the theme of exploration - via traditional Hawaiian navigation exploration.	
Malama Kahalawai Inc	\$50,000
<u>Ungulate Control in the West Maui Mountains</u>	
Morden, Clifford W	Department of Botany
Reduce the threat of invasive ungulate activities in private lands in the West Maui Mountains Watershed.	

Hawaii- Dept of Education

Education, Dept - HI	\$30,000
<u>An Evaluation of the Central Kauai Complex's 21st Century Community Learning Center Project in 2010-11</u>	
Higa, Terry Ann	Curriculum Research and Development Group
The evaluators will provide copies of data-collection instruments and a timeline for feedback from the project staff. The evaluators will collect and analyze evaluation data for the on-line PPICS reporting system and the evaluation report to be delivered to the HDOE.	

Hawaii- Government Agencies

Business, Econ Dev & Tourism, Dept (DBEDT) - HI	\$500,000
<u>Hawaii Renewable Energy Grid Project</u>	
Rocheleau, Richard E	Hawaii Natural Energy Institute
The objective of the Hawaii Renewable Energy Grid Project (HREGP) is to establish a regulatory and policy framework that will enable and accelerate the integration of utility scale renewable energy using innovative demand side management, storage, smart grid, and transmission and delivery technologies for the island of Oahu's grid infrastructure. Under this proposal, HNEI will evaluate the potential to integrate one (1) GigaWatt (GW) of electricity from variable renewable energy sources, wind and solar, into the Oahu grid.	
County of Hawaii	\$3,053
<u>How to Operate A Successful AgriTourism Business</u>	
Yamane, Noreen R	Chancellor, Hawaii Community College
The proposal will fund a one day training workshop in Hilo for agricultural farmers, businesses and entrepreneurs interested in starting agritourism businesses. Funds will support operational, marketing and training/presenter expenses.	

Gifts, Grants, and Contracts for October 2011

Non-Research

Hawaii- Government Agencies

County of Maui		\$40,000
<u>County of Maui Aquaculture Extension Program</u>		
Howerton, Robert D	Sea Grant College Program	
To serve as a bridge between researchers involved in developing technologies to improve production capabilities, hatchery operations, husbandry practices, identification of new species and transferring the developed technologies to the County of Maui's aquaculture producers.		
County of Maui - Planning Department		\$78,246
<u>Maui County Coastal Hazards Extension Program</u>		
Okimoto, Darren K	Sea Grant College Program	
To provide sound technical advice to the county on shoreline development, beach preservation and restoration, coastal hazard mitigation options, coastal erosion response, climate change including potential sea-level rise impacts, and other coastal processes-related issues.		
Health, Dept - Alcohol & Drug Abuse Div-HI		\$120,529
<u>Hawaii Information System for Substance Abuse Prevention Project</u>		
Fong, Grace	Department of Family and Consumer Sciences	
Oversee implementation of web-based HISSAP data collection, management, and reporting system as part of DOH-ADAD's implementation of its Substance Abuse Prevention Infrastructure Work Plan.		
Health, Dept - HI		\$100,000
<u>Hawaii School Health Surveys</u>		
Saka, Susan M	Curriculum Research and Development Group	
In cooperation with the Hawaii School Health Surveys Committee composed of representatives from the Departments of Education and Health and University of Hawaii prepare reports of the results of the 2011 Hawaii Youth Risk Behavior Surveys and plan the administration of the 2013 health surveys.		
Public Safety, Dept - HI		\$29,642
<u>PSD Health Care Quality Improvement and Program Evaluation Project</u>		
Uchigakiuchi, Patrick	Social Science Research Institute	
Scope of Work: Conducting continuous quality improvement, quality assurance record reviews, audits and special studies in areas of mental health documentation, treatment, discharge planning, and psychiatric medications at the Oahu Community Correctional Center.		
Transportation, Dept - HI		\$107,509
<u>SAFETEA-LU 2010 Motorcycle Safety Grant (Fiscal Yr 2012)</u>		
Umehira, Ronny T	Chancellor, Leeward Community College	
Deliver motorcycle safety training courses on Kauai, Maui, and Hawaii Islands, provide advanced rider education courses and workshops to licensed riders to help reduce motorcycle fatalities in the State of Hawaii.		

Gifts, Grants, and Contracts for October 2011

Non-Research

Hawaii- Health Organizations

Pacific In Vitro Fertilization Institute \$813
Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-PIVF-OBGYN
Sauvage, Lynnae Millar Department of Obstetrics, Gynecology, and Women's Health
Agreement to provide medical education to students and residents in a clinical setting.

Hawaii- Non-Profit Organizations

Edith Kananka'ole Foundation \$214,213
Kamakakuoka'aina - Ancestral Knowledge & Land Empowerment.
Kame'eleihiwa, L Kamakakuokalani Center for Hawaiian Studies
To improve the capacity of Hawaiians in the decision-making and oversight of lands and resources in Hawaii

Hawaii Assn of Independent Schools \$8,000
Hawaii Educational Networking Consortium (HENC)
Lassner, David K Information Technology Services
HENC serves to coordinate and advance education and research networks in the State of Hawaii.

Hawaii Community Foundation (HCF) \$450,000
Ready Set Grow Hawaii - Phase II
Kabei, Geraldine Chancellor, Windward Community College
Ready Set Grow Hawaii program is designed to provide adults the first step in acquiring academic and work readiness skills to prepare them for placement in higher education and a living wage career.

Hawaii Health Information Exchange \$53,770
Hawaii-Pacific Health Information Technology Regional Extension Center
Okamura, Norman H Social Science Research Institute
To provide coordination and delivery of services to health care providers in the US Pacific Island of American Samoa. The Commonwealth of the Northern Mariana Islands (CNMI) and Guam through the Hawaii-Pacific Regional Extension Center (REC).

Kokua Kalihi Valley \$10,000
Medical Legal Partnership with Kokua Kalihi Valley - Health Law Partnership
Shek, Dina M William Richardson School of Law
Funding will be used to support the salary/fringe of a Jr. Specialist who will be working with Kokua Kalihi Valley as well as the Health Law Policy program. Goal is to work toward the creation of a new Health Law Policy Center at UH and assist to improve the health and well-being of children in Hawaii through the center.

Kokua Kalihi Valley \$24,336
Medical Legal Partnership with Kokua Kalihi Valley - Health Law Partnership
Shek, Dina M William Richardson School of Law
Funding will be used to support the salary/fringe of a Jr. Specialist who will be working with Kokua Kalihi Valley as well as the Health Law Policy program. Goal is to work toward the creation of a new Health Law Policy Center at UH and assist to improve the health and well-being of children in Hawaii through the center.

Gifts, Grants, and Contracts for October 2011

Non-Research

Hawaii- Non-Profit Organizations

Olelo Community Television	\$250,681
<u>University of Hawaii - Supplemental Projects 2010</u>	
Okimoto, Hae K	Information Technology Services
Produce course and programs for public access channel, Oceanic 55.	
University of Hawaii Foundation	\$43,275
<u>Rama Watumull Distinguished Indian Scholar</u>	
Das Gupta, Monisha	Center for South Asian Studies
To sponsor the Rama Watumull Distinguished Indian Scholar personnel and travel expenses. Travel amount is for scholar to use to attend a conference while in Hawaii.	
University of Hawaii Foundation	\$3,615
<u>SAE Archaeology Assessment</u>	
Stark, Miriam T	Department of Anthropology
Total funding will be used to support workshop and assessment activities associated with Luce Foundation Initiative in E/SE Asian Archaeology. Amount listed in this ORS Form 5 is designated for hiring a student research assistant (wages+fringe) to assist in logistics, data analysis and dissemination of results.	
University of Hawaii Foundation	\$825
<u>Glass Visiting Lecturer</u>	
Chan, Gaye M G	Department of Art and Art History
Transfer funds to pay Glass visiting lecturer an honorarium during the Fall 2011 semester.	

Mainland- Business and Other

Boeing Company	\$20,000
<u>Boeing Proposal Funds: NASA Multispectral Imaging Polarimeter</u>	
Kuhn, Jeffrey R.	Institute for Astronomy
The University of Hawaii Institute for Astronomy will provide consulting on instrument specifications to support a proposal activity for a NASA multispectral imaging polarimeter.	

National Science Foundation

National Science Foundation	\$48,365
<u>Telecommunications Workshop in Dublin, Ireland</u>	
Iskander, Magdy F.	Hawaii Center for Advanced Communications
Support for organization of NSF workshop wntitled "Collaborative Research Opportunities in Telecommunications Technologies," to be held November 1-2, 2011, in Dublin, Ireland, to establish research ties between leading researchers in the US and Ireland.	
National Science Foundation	\$579,252
<u>Islands of Opportunity Alliance: Louis Stokes Alliance for Minority Participation (LSAMP)</u>	
Straney, Donald O	Chancellor, University of Hawaii at Hilo-UHH
Increase the number of students from underrepresented groups graduating with bachelor's degrees in STEM fields by 75% during the five year grant period	

Gifts, Grants, and Contracts for October 2011

Non-Research

National Science Foundation

National Science Foundation \$15,000
NSF Postdoctoral Fellowship in Biology FY 2011: Loralyn Cozy
Callahan, Sean M Department of Microbiology
Research related to coordination of cellular differentiation and cell division.

US Colleges and Universities

Arizona, University of \$39,159
Alternative Waste Management Solutions for Small-Scale Piggery Operations: Educational Outreach, Demonstration and Adoption for Pacific Island Communities
Fukumoto, Glen K Department of Human Nutrition, Food and Animal Sciences
Educational outreach and demonstration to train Pacific Island extension agents, resource conservation staff, community conservation district staff and farmers on livestock nutrient management planning, dry litter technologies, compost science and utilization.

Gallaudet University \$917
US-Brazil Consortia 3-2-1
Pagotto, Louise Chancellor, Kapiolani Community College
Kapiolani CC will create educational exchanges between students in the U.S.-Brazil for Deaf Education, signed language, teaching in American Sign Language and Brazilian Sign Language.

Language Learning Prog - Univ of Michigan \$10,000
Editor of the Journal Language Learning, Published the University of Michigan by Wiley-Blackwell Publishing, 2009-2015
Ortega, Lourdes Department of Second Language Studies
Funds to support Lourdes Ortega as incoming Editor of the journal Language Learning with editorial expenses such as office supplies, mailing and courier costs, relevant books, payment of ta graduate students as hourly assistant, and travel to and accommodations and meals at meetings and conferences to promote the journal.

Subcount:	63	Subtotal:	\$12,035,557
Count:	<u>159</u>	Total:	<u>\$22,113,803</u>

Funds Received from UH Foundation for 10/01/2011 - 10/31/2011

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$825

"Glass Visiting Lecturer"

Chan, Gaye M G Department of Art and Art History

Transfer funds to pay Glass visiting lecturer an honorarium during the Fall 2011 semester.

University of Hawaii Foundation \$43,275

"Rama Watumull Distinguished Indian Scholar"

Das Gupta, Monisha Center for South Asian Studies

To sponsor the Rama Watumull Distinguished Indian Scholar personnel and travel expenses. Travel amount is for scholar to use to attend a conference while in Hawaii.

University of Hawaii Foundation \$3,615

"SAE Archaeology Assessment"

Stark, Miriam T Department of Anthropology

Total funding will be used to support workshop and assessment activities associated with Luce Foundation Initiative in E/SE Asian Archaeology. Amount listed in this ORS Form 5 is designated for hiring a student research assistant (wages+fringe) to assist in logistics, data analysis and dissemination of results.

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$3,500

"Cell and Molecular Biology Program"

Humphreys, Tom D Pacific Biosciences Research Center

Study of development and regeneration of neural structures of Ptychodera Flava.

University of Hawaii Foundation \$70,000

"Seafloor Hydrothermal Research"

Martinez, Fernando Hawaii Institute of Geophysics and Planetology

Further the instructional and research objectives of the University of Hawaii with the study of seafloor hydrothermal

systems including sea-going expeditions, student training, and research into the formation, nature and evolution of

University of Hawaii Foundation \$12,000

"Impact of Digitization Information Technology to Improve Access and Preservation of Cultural Assets in Hawaii"

Quiroga, Luz M Department of Information and Computer Sciences

Digitization projects goals include increasing access to information and contributing to preservation of cultural assets valued to the society. This research will contribute to evaluating digitalization efforts in Hawaii, addressing the impact digitization projects have on a community, factors that contribute to this impact and how to measure those factors.

Count: 6

Total: \$133,215

**Extramural Research Awards
for the Month of
October 2011
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	7	\$555,308	5.51%
DHHS-Dept of Health and Human Services	3	\$896,269	8.89%
DOD-Department of Defense	5	\$1,060,137	10.52%
DOI-Dept of Interior	8	\$465,777	4.62%
ED-Dept of Education	2	\$85,391	0.85%
Federal Agencies	2	\$326,000	3.23%
Foreign	1	\$8,050	0.08%
Hawaii- Business and Other	6	\$511,030	5.07%
Hawaii- Government Agencies	14	\$1,051,466	10.43%
Hawaii- Health Organizations	3	\$218,069	2.16%
Hawaii- Non-Profit Organizations	6	\$180,500	1.79%
Mainland- Business and Other	11	\$603,314	5.99%
Mainland- Health Organizations	2	\$141,157	1.40%
Mainland- Non-Profit Organizations	3	\$115,525	1.15%
National Aeronautics and Space Administration	1	\$90,000	0.89%
National Science Foundation	3	\$2,069,990	20.54%
US Colleges and Universities	19	\$1,700,263	16.87%
Total:	<u>96</u>	<u>\$10,078,246</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
October 2011
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	2	\$151,419	1.26%
DHHS-Dept of Health and Human Services	2	\$1,051,161	8.73%
DOC-Dept of Commerce	1	\$220,000	1.83%
DOD-Department of Defense	1	\$316,928	2.63%
DOI-Dept of Interior	1	\$25,100	0.21%
ED-Dept of Education	20	\$6,293,125	52.29%
Foreign	3	\$206,603	1.72%
Hawaii- Business and Other	6	\$990,021	8.23%
Hawaii- Dept of Education	1	\$30,000	0.25%
Hawaii- Government Agencies	8	\$978,979	8.13%
Hawaii- Health Organizations	1	\$813	0.01%
Hawaii- Non-Profit Organizations	10	\$1,058,715	8.80%
Mainland- Business and Other	1	\$20,000	0.17%
National Science Foundation	3	\$642,617	5.34%
US Colleges and Universities	3	\$50,076	0.42%
Total:	<u>63</u>	<u>\$12,035,557</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/11 - 10/31/11
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	35	\$7,441,102	6.34%
DHHS-Dept of Health and Human Services	42	\$25,195,942	21.45%
DOC-Dept of Commerce	53	\$16,944,428	14.43%
DOD-Department of Defense	25	\$22,215,092	18.91%
DOE-Dept of Energy	2	\$513,255	0.44%
DOI-Dept of Interior	33	\$3,445,951	2.93%
ED-Dept of Education	7	\$2,140,145	1.82%
Federal Agencies	9	\$3,267,209	2.78%
Foreign	6	\$709,633	0.60%
Hawaii- Business and Other	12	\$904,297	0.77%
Hawaii- Government Agencies	42	\$4,578,469	3.90%
Hawaii- Health Organizations	4	\$258,225	0.22%
Hawaii- Non-Profit Organizations	36	\$1,972,960	1.68%
Mainland- Business and Other	37	\$2,066,914	1.76%
Mainland- Health Organizations	7	\$428,641	0.36%
Mainland- Non-Profit Organizations	13	\$732,161	0.62%
National Aeronautics and Space Administration	32	\$5,477,893	4.66%
National Science Foundation	49	\$15,164,578	12.91%
US Colleges and Universities	41	\$3,998,703	3.40%
Total:	<u>485</u>	<u>\$117,455,598</u>	<u>100%</u>

Note: YTD amounts include adjustments.

**Extramural Non-Research Awards
Year to Date: 07/01/11 - 10/31/11
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	11	\$917,030	0.88%
DHHS-Dept of Health and Human Services	24	\$8,614,131	8.22%
DOC-Dept of Commerce	7	\$3,086,521	2.95%
DOD-Department of Defense	5	\$1,474,340	1.41%
DOE-Dept of Energy	1	\$299,693	0.29%
DOI-Dept of Interior	10	\$359,794	0.34%
ED-Dept of Education	77	\$33,170,141	31.66%
Federal Agencies	4	\$24,703,637	23.58%
Foreign	11	\$2,389,365	2.28%
Hawaii- Business and Other	14	\$1,310,306	1.25%
Hawaii- Dept of Education	4	\$61,955	0.06%
Hawaii- Government Agencies	47	\$8,305,156	7.93%
Hawaii- Health Organizations	8	\$616,363	0.59%
Hawaii- Non-Profit Organizations	32	\$2,814,684	2.69%
Mainland- Business and Other	15	\$684,780	0.65%
Mainland- Health Organizations	3	\$56,810	0.05%
Mainland- Non-Profit Organizations	9	\$1,351,864	1.29%
National Aeronautics and Space Administration	3	\$634,458	0.61%
National Science Foundation	21	\$12,842,045	12.26%
US Colleges and Universities	20	\$1,090,824	1.04%
Total:	<u>326</u>	<u>\$104,783,897</u>	<u>100%</u>

Note: YTD amounts include adjustments.