

Gifts, Grants, and Contracts for April 2010

The following gifts, grants and contracts received by all campuses during the period April 1, 2010 through April 30, 2010 total \$20,141,734. The unofficial year-to-date total is: \$351,629,146.

Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$246,060
<u>Contribution of Sperm Nucleus to Paternal DNA Replication</u>	
Ward, William S	Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
The goal of this project is to test our hypothesis that sperm provide molecular instructions to the embryo for replicating the paternal DNA.	
Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$658,675
<u>Surveillance, Epidemiology and End Results (SEER) Program</u>	
Goodman, Marc T	Cancer Research Center
Evaluate treatment patterns specifically for prostate cancer, non-hodgkin lymphoma (NHL), chronic lymphocytic leukemia (CLL), and gastrointestinal stromal tumor (GIST).	
Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$228,084
<u>HIV-1 Proviral DNA and Monocyte Phenotype in Relation to Neurocognitive Function</u>	
Shiramizu, Bruce T	Department of Medicine
The grant application is a supplement to a funded R01 grant application that will collaborate with investigators at University of Puerto Rico-Medical Science Campus in studying neurocognitive problems in Hispanic women; in response to NIH NOT-NS-08-006.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$20,644
<u>The Colon Cancer Family Registry: Hawaii</u>	
Le Marchand, Loic	Cancer Research Center
To maintain and expand the Hawaii Colorectal Cancer Family Registry for the next four years.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$1,893,231
<u>Surveillance, Epidemiology and End Results (SEER) Program</u>	
Goodman, Marc T	Cancer Research Center
The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow-up of all cancers diagnosed in Hawaii as part of the SEER program.	
Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis	\$69,657
<u>Novel Engineering of a P. falciparum Merozoite Surface Protein 1 Malaria Vaccine</u>	
Hui, George S N	Dept of Trop Med, Medical Microbiology and Pharmacology
To develop a blood stage vaccine against human malaria.	
Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis	\$329,175
<u>Mechanism of Activation of Innate Immunity by ISS-DNA</u>	
Chu, Wen-Ming	Cancer Research Center
Understand how innate immunity is activated by immunostimulatory DNA sequences (ISS-DNSs)	
Health & Human Svc, Dept/NIH - Natl Inst of Biomed Imaging & Bioengrg	\$270,212
<u>Spectral Spatial Pulses for Gradient Echo MRI</u>	
Stenger, Victor Andrew	Department of Medicine
Magnetic resonance imaging (MRI) is a powerful and non-invasive technique for observing anatomy, structure, and function in the human body. However, there are challenges and obstacles in the form of image artifacts. The goal of this project is to develop techniques to reduce image artifacts in MRI.	

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Research

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$34,327

Coral Habitat and the Use of Coral by Recruit Reef Fishes: Evaluation of Watershed Reclamation at Pelekane Bay, West Hawaii

Jokiel, Paul L

Hawaii Institute of Marine Biology

The proposed project will provide important supplementary information on in-water responses of coral habitat and the recruit life-stage of a key coral-associated finfish resource that are necessary to fully evaluate a remediation project.

Commerce, Dept/NOAA - Natl Weather Service \$124,999

Evaluation of Flash Flood Prediction Models for Small Watersheds in Tropical Islands

Fares, Ali

Department of Natural Resources and Environmental Management

The main goal of this proposed research is to evaluate the performance of a distributed model and a semi-distributed version of the Sacramento Soil Moisture Accounting Model (SAC-SMA) for operational flash flood forecasting in the Hanalei Watershed, Kauai.

DOD-Department of Defense

Defense, Dept - Air Force \$500,000

Correlation of Field and Laboratory Studies on the Corrosion of Various Alloys in a Multitude of Hawaii Micro-Climates

Hihara, Lloyd H

Department of Mechanical Engineering

Conduct research in performance of metal alloys and corrosion sensors in various microclimates in Hawaii.

Defense, Dept - Air Force Ofc of Scientific Rsch \$49,952

Developing Cultural Analysis and Sociological Network Theory for Understanding Virtual Communities and their Intrinsic Relationships on the Web

Chai, Sunki

Department of Sociology

This project is aimed at the identification and characterization of virtual communities on the World Wide Web through the use of state-of-the art social science cultural and social network theories.

Defense, Dept - Office of Naval Research \$125,000

Miniaturized Retrodirective Arrays for a Nanosatellite Platform

Shiroma, Wayne Akira

Hawaii Space Flight Laboratory

Design and prototype of a miniaturized self-steering antenna array for reconnaissance, remote-sensing, and communications-on-the-move applications.

Defense, Dept - Office of Naval Research \$45,000

Initialization of Topical Cyclone Structures for Operational Applications

Li, Tim

Department of Meteorology

To develop a tropical cyclone dynamic initialization scheme and apply the schemes in real-case forecast.

Defense, Dept - Office of Naval Research \$62,673

Radar Remote Sensing of the Mesoscale Flow Through Straits of the Philippines Archipelago

Flament, Pierre J

Department of Oceanography

Deployment of high frequency radars to measure surface currents in the straits of the Philippines as part of a large coordinated ONR experiment.

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Research

DOI-Dept of Interior

Interior, Dept - U.S. Fish & Wildlife Service \$31,728

Pagan Island Snail Surveys

Hadfield, Michael G

Pacific Biosciences Research Center

The Dept. of Defense has contracted the US Fish and Wildlife Service's Pacific Islands Fish and Wildlife Office to conduct surveys on the island of Pagan and throughout the Mariana archipelago. The species *Partula gibba*, a candidate for listing under the Federal Endangered Species Act, is the focus of this project.

Interior, Dept - U.S. Geological Survey \$92,335

Water Resources Research Institute Annual Base Program 2009

Ray, Chittaranjan

Water Resources Research Center

Summary of 6 USGS WRRIP 2009 Proposals

Interior, Dept - U.S. Geological Survey \$39,540

Evaluating Policy Options to Reduce the Risk of New Stains of Ohia Rust in Hawaii

Burnett, Kimberly

Social Science Research Institute

The purpose of this research is to quantify more accurately the costs and benefits of the sale of imported Myrtaceae in the Hawaiian Islands. We will also examine the relative advantages and disadvantages of implementing either a quarantine policy or full ban on imported Myrtaceae.

ED-Dept of Education

Education, Dept - FED \$493,490

Accessible Professional Development for Teaching Aquatic Science Inquiry

Duncan, Kanesa

Curriculum Research and Development Group

We propose to develop and evaluate a professional development (PD) series of modules and online learning community support that use instructional inquiry - learning about science by engaging in the practice of science. The PD will be developed around aquatic science content and tested throughout the state of Hawaii.

Foreign

Ministry of Agriculture and Rural Development, Central Project Office - Vietnam \$582,853

Vietnam Flood Forecasting and Early Warning Capacity Development Pilot Project

Gaines, James R

Vice President for Research

The Pacific Disaster Center will provide technical assistance to Vietnam's Ministry of Agriculture and Rural Development (MARD) for the Flood Forecasting and Early Warning Capacity Development Pilot project covering provinces in the central part of the country.

Hawaii- Business and Other

East West Center \$128,851

The Expansion of Rubber and its Implications for Water and Carbon Dynamics in Montane Mainland Southeast Asia

Giambelluca, Thomas W

Department of Geography

Using field measurements and model simulations, we will investigate how the expansion of rubber cultivation in the Montane Mainland Southeast Asia alters carbon and water dynamics of the region.

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Research

Hawaii- Business and Other

Hawaii Agriculture Research Center	\$25,000
<u>Field Evaluation of Oil Seed Crops at Benchmark Locations</u>	
Uehara, Goro	Department of Tropical Plant and Soil Sciences
The proposed work is to establish field trails of oil bearing trees at 5 locations on the island of Hawaii.	
Sunfuels Hawaii LLC	\$20,000
<u>NSF Center for Bioenergy Research & Development -- SunFuels Hawaii LLC Membership</u>	
Turn, Scott Q	Hawaii Natural Energy Institute
SunFuels Hawaii LLC is paying for a membership in the University of Hawaii site of the NSF supported Center for Bioenergy Research & Development	
TREX Enterprises Corp.	\$25,000
<u>Development of High Performance Carbon-Carbon-SiC Hybrid Nanocomposites Employing Nanopolymer Infiltration Pyrolysis, Phase I</u>	
Ghasemi Nejjhad, Mehrdad N	Department of Mechanical Engineering
We will develop high performance Carbon-Carbon-SiC Hybrid Nanocomposites employing Nanopolymer Infiltration Pyrolysis (NIP) and will test the samples under tension and bending as well as other physical and microscopic characterizations to determine the effects of our NIP processing	

Hawaii- Government Agencies

City & County of Honolulu	\$24,987
<u>Reconnaissance Surveys of Streams Impacting Maunalua Bay, Oahu</u>	
Kido, Michael H	Pacific Biosciences Research Center
To conduct reconnaissance surveys of Maunalua Bay watersheds to evaluate the condition and stream/watershed restoration potential.	
Commerce & Consumer Affairs, Dept - HI	\$1,949,490
<u>Broadband Data and Development Program for the State of Hawaii</u>	
Gaines, James R	Vice President for Research
The Pacific Disaster Center will provide expertise in GIS, data mapping, processing and hosting for broadband data development for the State of Hawaii	
Health, Dept - HI	\$88,198
<u>Establishing Water Quality Parameters to Address Wet Weather Flow Impacts, Pathogens, and NPDES Program Strategies in a Priority Urban Watershed</u>	
Tamaru, Clyde S	Department of Molecular Biosciences and Bioengineering
The purpose of this project is to conduct water quality research and extension activities that support Department of Health ("DOH") efforts to establish Total Maximum Daily Loads ("TMDL") for inland waters in the Kaelepulu Watershed, Oahu.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$17,000
<u>Using Algal Tissue $\delta^{15}\text{N}$ Values and Nutrient Ratios (C:N:P) to Assess and Monitor Anthropogenic Nutrient Impacts within the Kahekili HFMA in West Maui</u>	
Dailer, Meghan L	Department of Botany
This project aims to detect the dispersal of treated sewage effluent from the Lahaina Wastewater Reclamation Facility across the Kahekili Herbivore Fisheries Management Area in West Maui.	

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Hawaii- Government Agencies

Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$64,031
<u>Task 5: Tracking Nutrient Sources in Northern Kaneohe Bay</u>	
Ruttenberg, Kathleen C	Department of Oceanography
Study the nutrient levels in northern Kaneohe Bay.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$88,676
<u>Detection and Control of Invasive Species on the Island of Kauai</u>	
Duffy, David C	Department of Botany
Control and eradicate invasive species on Kauai, with an emphasis on early detection and rapid response.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$703,261
<u>Invasive Species Committee ARRA Support</u>	
Duffy, David C	Department of Botany
Conduct surveys and control of invasive plants statewide and collect data into a statewide geospatial database.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$48,992
<u>Statewide Plant Conservation Program</u>	
Duffy, David C	Department of Botany
Develop and coordinate integrated statewide plant conservation program across partner agencies.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$12,000
<u>Kauai Lagoons Nene Translocation Project</u>	
Duffy, David C	Department of Botany
Develop, implement, and evaluate translocation techniques for nene goose populations from sites where they are in conflict with humans to more suitable habitats.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$56,625
<u>Forest Restoration of Mauna Kea</u>	
Duffy, David C	Department of Botany
Restore native forest areas on Mauna Kea to mitigate the declining population of endangered native Palila, a finch-billed honeycreeper.	
Land & Natural Res, Dept - HI	\$291,000
<u>Integrated Pest Management Program for Mauna Kea Dry Forest (ARRA)</u>	
Duffy, David C	Department of Botany
Restore native forest areas on Mauna Kea to mitigate the declining population of endangered native Palili, a finch-billed honeycreeper.	
Land & Natural Res, Dept - HI	\$26,750
<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.	

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Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$50,000
<u>Ko'olau Mountains Watershed Partnership Management Plan Implementation, FY 2010</u>	
Morden, Clifford W	Department of Botany
Research and manage watershed conservation on the Koolau Mountains on Oahu.	
Land & Natural Res, Dept - HI	\$22,500
<u>Lanaihale Forest and Watershed Project</u>	
Duffy, David C	Department of Botany
Conduct integrated pest management strategy on Lanaihale to protect native habitats from invasive plants.	
Land & Natural Res, Dept - HI	\$39,500
<u>Natural Area Reserves Management</u>	
Duffy, David C	Department of Botany
Research and manage endangered species in their protected habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	
Land & Natural Res, Dept - HI	\$32,000
<u>Waianae Mountains Planning and Management</u>	
Morden, Clifford W	Department of Botany
Coordinate the creation of a Waianae watershed partnership, including the establishment of a partnership of landowners and development of a conservation plan.	
Land & Natural Res, Dept - HI	\$30,000
<u>Hawaiian Ecosystems: Management and Education: Koolau Watershed</u>	
Duffy, David C	Department of Botany
Monitor game check stations and run transects in native forest areas to determine impacts of pigs and axis deer in the Koolau watershed in Maui.	
Land & Natural Res, Dept - HI	\$120,000
<u>Invasive Plant Control in KMWP Priority Areas Along State/Private Forestry Interfaces (ARRA)</u>	
Morden, Clifford W	Department of Botany
Research and manage watershed conservation in the Koolau watershed on Oahu.	
Land & Natural Res, Dept - HI	\$29,625
<u>Natural Area Reserves Management 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	\$82,183
<u>Kauai Endangered Seabird Conservation Research and Management</u>	
Duffy, David C	Department of Botany
Conduct research on the populations of endangered Kauai seabirds and make recommendations for conservation strategies.	

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Research

Hawaii- Government Agencies

Land & Natural Res, Dept - HI \$65,288
Detection and Control of Invasive Species on the Island of Hawaii
Duffy, David C Department of Botany
Detect new potentially invasive plants and plant populations, continue on-going efforts to contain known invasive plant species, and expand early detection surveys on the Big Island.

Hawaii- Non-Profit Organizations

Oceanic Institute - Ctr for Tropical & Subtrpcl Aquaculture (CTSA) \$50,000
Diversifying Freshwater Aquaculture Products for Hawaii: Two Crossover Species, The Red and Black Pacu (Piratactus brachypomus and Colossoma macropomu)
Howerton, Robert D Sea Grant College Program
Investigate feasibility of culturing in Hawaii two new freshwater species that have value both in the ornamental and

Tri-Isle Resource Conservation & Dev Council \$81,835
Watershed Protection in East Maui
Morden, Clifford W Department of Botany
Conduct adaptive resource management of the East Maui Watershed.

University of Hawaii Foundation \$7,500
Pineapple Research
Paull, Robert E Department of Tropical Plant and Soil Sciences
To carry out applied research to address Hawaii's Pineapple Industry needs.

University of Hawaii Foundation \$180,000
HMSA Endowed Chair for Health Care Services and Quality Research
Tseng, Chien-Wen John A. Burns School of Medicine
To conduct health services research to improve quality of care for the people of Hawaii and nationally.

University of Hawaii Foundation \$57,000
Respiratory Health
Tam, Elizabeth K Department of Medicine
Teach General Internal Medicine Ambulatory and inpatient care to medical students and medical residents, assist in clinical research, provide consultative care in inflammatory/immunologic diseases; develop/evaluate training programs.

University of Hawaii Foundation \$28,654
Effects of Common Germ-Line Genetic Variation on Ovarian Cancer Survival
Goodman, Marc T Cancer Research Center
This study will collect additional information related to the treatment and disease progression of women with invasive ovarian cancer in the Hawaii Ovarian Cancer Study to investigate genetic markers associated with chemoresistance and contribute to the understanding of ovarian tumor chemoresistance.

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Research

Mainland- Business and Other

Jet Propulsion Lab \$17,000

Assessing the Quality of Aquarius Sea Surface Salinity Measurements Using an Ocean State Estimation System

Qu, Tangdong

Department of Oceanography

Analyze Aquarius satellite sea surface salinity measurements using an ocean state estimation system to assess the quality of data and to prepare for the observations' scientific exploitation.

PPD Development, LP \$2,202

A Phase 2b/3, Randomized, Double Blind, Close confirming Study of the Safety, Efficacy and Tolerability of Apricitabine Versus Lamivudine in Treatment

Shikuma, Cecilia M

Department of Medicine

To test experimental HIV drug therapy on human subjects.

Phenomix Corporation \$7,756

A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study to Evaluate Safety and Efficacy of PHX1149T

Arakaki, Richard F

Department of Medicine

This randomized, double-blind, placebo-controlled study is intended to evaluate safety and efficacy of the drug PHX1149T as a monotherapy in subjects with Type 2 diabetes.

Real-Time Genomics, LLC \$20,505

Development of Rapid Diagnostic Microarray Test for Tuberculosis

Douglas, James T

Department of Microbiology

Testing and development of a micro-array chip for genetic analysis of tuberculosis

TKC Global Solutions, LLC \$10,176

Assessment of Health Effects Associated with VOG Exposure, Hawaii Island

Tam, Elizabeth K

Department of Medicine

Characterize susceptible-VOG populations in the HICLASS cohort, characterize exposure to VOG, Assess acute and long term impact on asthma exacerbations.

Mainland- Health Organizations

Pediatric Dengue Vaccine Initiative \$94,916

ELISA Based Assay for Detection of Neutralizing Antibodies in Polyclonal Dengue Antisera

Wang, Wei-Kung

Dept of Trop Med, Medical Microbiology and Pharmacology

With the availability of human monoclonal antibodies derived from subjects following dengue virus infection, it is possible to identify epitope(s) of neutralizing antibodies. An ELISA based assay thus developed for detecting protective neutralizing antibodies in polyclonal dengue antisera is critical for dengue vaccines and evaluation.

Mainland- Non-Profit Organizations

Casey Family Programs \$40,250

Rapid Assessment Instrument Pilot Program 2010 SOW 1

Tochiki, Laurie Arial

William Richardson School of Law

Perform legal research including data collection from the Rapid Assessment Instrument Pilot Programs on Maui, Kauai, Hawaii, and Oahu to reduce the number of children in out-of-home placements.

Gifts, Grants, and Contracts for April 2010

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Mainland- Non-Profit Organizations

- Monterey Bay Aquarium Foundation \$125,298
Movement Patterns, Environmental Preferences and Husbandry of Sharks and Rays of Hawaii
Holland, Kim N Hawaii Institute of Marine Biology
Field work focused on electronic tracking of target species, exploratory fishing and establishing facilities to support collaborative work.
- Seattle Institute for Biomedical and Clinical Research \$193,547
Renewal of Diabetes Prevention Program Outcomes Study - Phase 2
Arakaki, Richard F Department of Medicine
Maintain outcome measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyle modification and metformin treatment are continued during the course of this proposal in people at risk and who have developed diabetes. In addition, more extensive outcome measures will be obtained in participants who have developed diabetes.

National Aeronautics and Space Administration

- National Aeronautics & Space Administration \$200,000
Origin, Thermal History, and Impact Record of Meteorites and their Parent Asteroids
Scott, Edward R D Hawaii Institute of Geophysics and Planetology
We propose to elucidate the origin of meteorite parent bodies and their impact and thermal histories through detailed mineralogical, chemical and isotopic studies and numerical simulations of accretion in the asteroid belt.
- National Aeronautics & Space Administration \$70,000
LRO Mission Participation: Mineral Mapping With Diviner and LOLA
Lucey, Paul Hawaii Institute of Geophysics and Planetology
The project funds the participation of Paul G. Lucey in the Lunar Reconnaissance Orbiter Mission to the Moon.
- National Aeronautics & Space Administration \$84,000
Sharing Discoveries in Cosmochemistry on the Internet
Taylor, G Jeffrey Hawaii Institute of Geophysics and Planetology
We proposed to continue to write and manage Planetary Research Discoveries, an online science magazine that highlights for the public discoveries made through research funded by the NASA Cosmochemistry Program.
- National Aeronautics & Space Administration \$75,403
APANL: InSAR and Thermal Analyses of Kuril-Kamachatka Volcanoes
Brooks, Benjamin A Hawaii Institute of Geophysics and Planetology
Relate remotely-sensed volcano deformation to eruptions.
- National Aeronautics & Space Administration \$174,968
High Performance Thermal Infrared Interferometer Spectrometer
Lucey, Paul Hawaii Institute of Geophysics and Planetology
This project will develop an infrared imaging system that enables mapping of minerals and other constituents on the surface of planets.

Gifts, Grants, and Contracts for April 2010

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$120,000

Mineralogy, Petrology, and Isotope Composition of Chondrite Components

Krot, Alexander N

Hawaii Institute of Geophysics and Planetology

To confirm a genetic relationship between rare flat earth element (chondrules), we propose to analyze isotope compositions and trace element abundances in rare chondrules. Using measuring instruments such as the Cameca Ims-1280.

National Science Foundation

National Science Foundation \$101,660

Radiation of the Vernonieae (Compositae) in Montane and Lowland Habitats in the Americas

Keeley, Sterling C

Department of Botany

To understand the relationships and biogeographical distribution of two genera in the tribe Vernonieae of the sunflower family (Compositae) from South America to North America using one Andean/montane genus, *Critoniopsis*, and a lowland savannah genus, *Vernonthura* to document climate-related pathways of dispersal.

National Science Foundation \$206,568

Extending Abyssal Mixing Observations and Parameterizations

Luther, Douglas S

Department of Oceanography

Estimates of the vertical rate of mixing in the deep ocean will be made with specialized analysis techniques applied to the global WOCE hydrographic database. This information will then be used to test and refine generalized models of deep ocean mixing.

National Science Foundation \$74,453

A Comparison of Aerosol Organic Carbon Measurements and Models in the Free Troposphere at Mauna Loa Observatory (MLO)

Huebert, Barry J

Department of Oceanography

This is an extension of our grant to sample aerosols nightly at the Mauna Loa Observatory. It will continue our two-decade chemical time series through 2010 and allow junior colleagues a chance to prepare a follow-on proposal.

National Science Foundation \$492,736

Further Study of Dynamics of Low-Frequency Variability of the Extratropical Atmospheric Circulation

Jin, Feifei

Department of Meteorology

This new project proposes to continue our study to further investigate the internal mechanisms for the formation of atmospheric circulation anomalies beyond month-to-seasonal time scales, and their excitation mechanisms.

National Science Foundation \$199,996

GPS Observations in Chile of Co-seismic and Post-seismic Deformation Associated with the 27 Feb, 2010 Mw 8.8 Maule, Chile Earthquake

Brooks, Benjamin A

Hawaii Institute of Geophysics and Planetology

Installing 20 GPS stations in Chile to collection data of ground movement since the Chile earthquake.

National Science Foundation \$109,046

Collaborative Research: Geodetic Constraints on the Tectonic Processes Operating at the East Flank of the Central Andean Plateau

Brooks, Benjamin A

Hawaii Institute of Geophysics and Planetology

Understanding earth's various crustal plate movements in the Andean and Tibetan Plateaus in Bolivia and North Western Argentina.

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Research

National Science Foundation

National Science Foundation \$16,000

Retrodirective Antenna Arrays for Secure Data Transmission in Covert Terrestrial and Nanosatellite Sensor Networks (17U07UHShiro)

Shiroma, Wayne Akira

Department of Electrical Engineering

Develop novel antennas and infrasound techniques for intelligence-gathering scenarios.

National Science Foundation \$496,006

Microhabitat Selection and Morphological Constraint in the Insect Visual System

Butler, Marguerite

Department of Zoology

Insects have simple visual systems yet function in complex, dark habitat. We will study how they function, whether they have modify behavior or morphology to see in their habitats.

National Science Foundation \$101,518

Collaborative Research: Larva-Environment Interactions: How Settlement of Marine Larvae Depends on their Responses to Varying Water Flow and Surfaces

Hadfield, Michael G

Pacific Biosciences Research Center

This project will work towards deepening the understanding of the mechanisms (behavioral, structural and developmental) employed by larvae of marine invertebrate animals. We anticipate significant advancement in understanding how minute larvae succeed in finding small, scattered and specific sites in turbulently flowing

National Science Foundation \$30,000

Functional Approaches to the Origin of the Bilaterally Symmetrical Body Plan in Animal Development

Martindale, Mark Q.

Pacific Biosciences Research Center

To document anatomical features of bilateral symmetry in the nervous system of "simple" animals (sea anemones) and to investigate whether the molecular basis for bilaterality is the same in this group as it is in "higher" animals.

National Science Foundation \$135,356

NSF Visitor and Observing Support for the NASA Infrared Telescope Facility

Tokunaga, Alan

Institute for Astronomy

Funding is requested to cover the NSF portion of observing support at the NASA Infrared Telescope Facility.

National Science Foundation \$139,000

SHINE: Separating the Dynamic and Quiescent Corona: A New Tool for the Detection and Analysis of Coronal Mass Ejections (CMEs)

Morgan, Huw

Institute for Astronomy

A new technique has been developed to isolate Coronal Mass Ejection (CME) signal in coronagraph images, resulting in a pair of images for each observation-an image of the quiescent large-scale coronal structure devoid of CMEs, and another image containing CMEs and all other small-scale dynamic events.

US Colleges and Universities

California Davis, University of \$141,680

Biological-based Postharvest Quality Maintenance and Disease Control for Mango and Papaya

Paull, Robert E

Department of Tropical Plant and Soil Sciences

The proposal aims is to develop and evaluate biological-based, nontoxic, environmentally suitable approach for postharvest disease control. The output from this project would provide a postharvest disease control approach as an alternative to fungicide in conventional production for organic papaya production.

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Research

US Colleges and Universities

California San Diego, University of	\$191,000
<u>PILOT: Coastal Run-up and Fringing Reefs</u>	
Merrifield, Mark A	Department of Oceanography
The collection and analysis of field observations of shoaling surface gravity waves, sea level, and nearshore currents over fringing reefs will be made to estimate the coastal-run that occurs during energetic, storm-generated wave events.	
California Santa Cruz, University of	\$20,837
<u>The Roms Ias Data Assimilation and Prediction System: Quantifying Uncertainty</u>	
Powell, Brian	Department of Oceanography
Refine ocean model data assimilation algorithms to determine how observations assist the model, determine the final error of the model, and how to combine different models for more accurate estimations of the ocean.	
Central Florida, University of	\$30,981
<u>SEPPCoN, A Survey of the Ensemble Physical Properties of Cometary Nuclei</u>	
Meech, Karen J	Institute for Astronomy
Acquire and analyze data from SEPPCoN datasets.	
Illinois, University of	\$26,332
<u>Protecting Drinking Water by Reducing Uncertainties Associated with the Geologic Carbon Sequestration in Deep Saline Aquifers</u>	
Ray, Chittaranjan	Water Resources Research Center
Support Illinois State Geological Survey/University of Illinois in estimating storage and transmission properties of deep saline aquifers for the storage of supercritical carbon dioxide.	
Johns Hopkins University	\$21,600
<u>AopE Expression in the CSF of Patients with HIV</u>	
Andres, Maria-Louisa	Pacific Biosciences Research Center
In the brain aopE transports lipids and cholesterol necessary for neuronal regeneration and repair. Interestingly, apoE4 is a risk factor for Alzheimer's Disease. However, it may also contribute to further brain injury due to other neurological disorders. Our pilot will evaluate whether aopE4 contributes to HIV-dementia.	
Stanford University	\$30,000
<u>Institute for Astronomy Support for the SDO/HMI Investigation</u>	
Kuhn, Jeffrey R.	Institute for Astronomy
As part of a team headed by Stanford University, the Institute for Astronomy will work on the Helioseismic and Magnetic Imager data analysis methodology and coding to produce high level data needed for photometry and astrometry research.	
Utah State University	\$52,247
<u>Enhancing Phyto-nutrient Content, Yield and Quality of Vegetables with Compost Tea in the Tropics</u>	
Radovich, Theodore J.	Department of Tropical Plant and Soil Sciences
This project includes research and educational activities to improve the efficacy of compost tea and increase the role of renewable resources in Hawaii agriculture.	

Subcount: 86

Subtotal: \$14,196,618

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Non-Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$52,154

Origins of Neuronal Patterning in Animal Development - NRSA Fellow M. Layden

Martindale, Mark Q. Pacific Biosciences Research Center

The work will be aimed at understanding the development of the nervous system including the brain, spinal cord and sensory systems. Because many neurological disorders result from developmental defects, by understanding neural development knowledge gained can be used to develop treatments for neurological disorders.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$30,000

Community-Based Capacity Building: Academic-Community Partnerships Using Participatory Action Research to Bridge Across the USAPI

Qureshi, Kristine School of Nursing and Dental Hygiene

The UH SONDH will implement a project with the overall aim of developing capacity for community based participatory research in the USAPI. The project work will be accomplished through training program and meetings to be conducted in the USAPI jurisdictions and culminate in a grant proposal.

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$85,350

"WATER" Program - Waikiki Aquarium Tidal Exploration and Research Program

Pelleteri, Sara Waikiki Aquarium

Program will establish an outreach, field program conducted by the Waikiki Aquarium for students in the 4th through 8th grades. Grade-appropriate activities will concentrate on either watershed hydrology and sediment transport, or native vs. non-native species ecology. Students will collect, record and analyze their data.

DOD-Department of Defense

Defense, Dept - Natl Security Agency \$97,155

2010 STARTALK Chinese Language Teacher Training Institute

Ning, Cynthia Y Center for Chinese Studies

The 2010 STARTALK Chinese Language Teacher Training Institute will train 20 pre- and in-service teachers of Chinese to be immersed in task-based and learner-centered theory through live and videotaped lectures, demonstration and experiential classes and daily feedback sessions. It will be conducted concurrently with the 2010 STARTALK Chinese Immersion Sports Camp.

Defense, Dept - Natl Security Agency \$100,000

2010 STARTALK Chinese Language Immersion Sports Camp

Ning, Cynthia Y Center for Chinese Studies

The 2010 STARTALK Chinese Immersion Sports Camp will provide students between the ages of 12 and 17 an integrated language program through task-based classroom instruction, culturally appropriate sports classes conducted in the target language, and experiential activities in the media lab.

Defense, Dept - Naval Research Lab \$218,500

On the Foraging Behavior of Beaked Whales and Other Deep Diving Odontocetes

Au, Whitlow W L Hawaii Institute of Marine Biology

Construct a profiler to investigate the prey field of beaked whales and other deep diving odontocetes.

Gifts, Grants, and Contracts for April 2010

Non-Research

DOI-Dept of Interior

Interior, Dept - Bureau of Land Management \$1,000

CESU Planning Support, Hawaii-Pacific Islands CESU

Duffy, David C Department of Botany

Provide support to the coordination of the Hawaii-Pacific Islands CESU.

Interior, Dept - National Park Service \$20,000

Chinese Visitation at the Arizona Memorial

White, Geoffrey M Department of Anthropology

Open-ended interviews will be used to explore the attitudes and perceptions of Chinese visitors to the USS Arizona Memorial at Pearl Harbor.

Dept of State

State, Dept - National Security Language Initiative for Youth \$175,080

University of Hawaii Overseas Pre-College Summer Program

Sohn, Ho-Min Department of East Asian Languages and Literatures

Offer an overseas component to our existing Pre-College Summer Program with language training, cultural enhancement, and community service; open to high school students and recent graduates, ages 15 to 18.

ED-Dept of Education

Education, Dept - FED \$59,000

Advanced Study of Khmer (ASK) - Summer Abroad Intensive Program in Cambodia

Sak-Humphry, Chhany Department of Indo-Pacific Languages and Literatures

The intensive and immersion advanced study of Khmer language program in Cambodia.

Education, Dept - FED \$84,500

Advanced Filipino Abroad Program

Mabanglo, Ruth S Department of Indo-Pacific Languages and Literatures

Eight week advanced Filipino language immersion project in De La Salle University-Dasmarias campus, set in a rural town in Cavite Province, Philippines. This is funded by Fulbright-Hays Groups Projects Abroad of the United States Department of Education.

Education, Dept - FED \$85,470

Advanced Samoan Language Abroad

Mayer, John F Department of Indo-Pacific Languages and Literatures

Twelve-week intensive language immersion program in Samoa for ten advanced students. The program provides an opportunity to improve Samoan language proficiency, conduct independent research, and gain skills in culturally appropriate research methodology protocols.

Foreign

American Samoa, Govt of \$300,000

American Samoa Economic Disaster Recovery Plan

Morton, John F Vice President for Community Colleges

Design, install and train staff in the use of a reporting system that can provide timely reports to the Governor and the GAR on the current status of all Federally funded emergency response grants.

Gifts, Grants, and Contracts for April 2010

Non-Research

Foreign

American Samoa, Govt of	\$131,410
<u>American Samoa Interdisciplinary Studies</u>	
Stodden, Robert A	Center on Disability Studies
Development and delivery of University of Hawaii coursework specifically designed for High School Special Education teachers to obtain their degree in Interdisciplinary Studies.	
Ryukyus, University of	\$15,915
<u>University of the Ryukyus School of Law Study Tour</u>	
Kimura, Spencer	William Richardson School of Law
Conduct legal training and education courses for the University of the Ryukyus graduate students and faculty.	

Hawaii- Business and Other

Kamehameha Schools	\$3,800
<u>Archaeological Collections Inventory</u>	
Mills, Peter	Social Sciences-UHH - Division Office
Provide archaeological data collection services to Kamehameha Schools	
Maui County Community Television, Inc	\$72,661
<u>MCC-TV Educational Access Television</u>	
Sakamoto, Clyde M	Chancellor, University of Hawaii Maui College
Manage, coordinate, and operate MCC-TV Educational Access Television. This channel is one of the designated providers of educational television programming in Maui County.	

Hawaii- Dept of Education

Education, Dept - HI	\$8,000
<u>Provision of Professional Development in Mathematics</u>	
Olson, Melfried	Curriculum Research and Development Group
To provide professional development to utilize standards-based curriculum, instruction and assessment, and to increase teacher and student proficiency in mathematics.	

Hawaii- Government Agencies

County of Kauai	\$90,283
<u>County of Kauai Coastal Processes Extension Project</u>	
Okimoto, Darren K	Sea Grant College Program
To provide technical and outreach support related to preservation of coastal resources, mitigation of coastal hazards, and enhancing shoreline processes education in the County of Kauai.	
Defense, Dept - Civil Defense-HI	\$100,000
<u>Pacific Emergency Management, Preparedness and Response Information Network and Training Services</u>	
Sakaguchi, Ann M	Department of Anthropology
Develop training programs and conferences and purchase training equipment.	

Gifts, Grants, and Contracts for April 2010

Non-Research

Hawaii- Government Agencies

Hawaii Tourism Authority	\$25,000
<u>He Paepae Na'auao Project - The B. Krauss Hawaiian Ethnobotanical Garden A Foundation of Learning</u>	
Dunn, Liloa	Lyon Aboretum
To build a traditional Hawaiian house and to host workshops related to the construction of the house.	
Hawaii Tourism Authority	\$30,000
<u>Building Community Capacity Through Education and Outreach to Address Land-Based Pollution in Maunalua Bay</u>	
Wanger, Jolie	School of Ocean and Earth Science and Technology
UH Sea Grant is requesting support from Hawaii Tourism Authority to realize the initiation of a campaign with its partner, Malama Maunalua, to implement community and residential best management practices for the reduction of non point source pollution entering Maunalua Bay on Oahu.	
Hawaii Tourism Authority	\$25,000
<u>Cultural Bridge Training Program</u>	
Uyeno, Russell K	School of Travel Industry Management
This proposal focuses on developing and implementing a pilot cultural training program for Chinese & Korean tour operators and associated businesses. UH TIM will manage the project and sub-contract a portion of the curriculum development to Native Hawaiian Hospitality Association (NaHHA).	
Health, Dept - HI	\$75,000
<u>Certified Nurse Aid (CNA) Training and Support Services for Employment Program</u>	
Umehira, Ronny T	Chancellor, Leeward Community College
To deliver Certified Nurse Aid Training to 30 students including support services.	
Health, Dept - HI	\$85,000
<u>Department of Health - Certified Nurse's Aide</u>	
Howard, M Bernadette	Chancellor, Windward Community College
Provide Certified Nurse Aide training to qualified applicants.	
Health, Dept - HI	\$22,519
<u>Pediatric Obesity Prevention - A Collaborative Effort Between HICORE and DOH HHI</u>	
Okiihiro, May	Department of Pediatrics
Program Goal: to change healthcare practice through institutional policy change so pediatric practices include reducing risk for childhood obesity. Objective: to increase healthcare participation in reducing childhood obesity by targeting six community health centers, their providers, training 40 primary care pediatricians and office staff.	
Health, Dept - HI	\$58,000
<u>State of Hawaii Department of Health Family Health Services Division Maternal & Child Health Grant Women's Health Section-Family Planning Program</u>	
Cohen, Denise	Chancellor, University of Hawaii Maui College
To provide subsidized family planning services for women and men, as well as additional training for staff with regards to family planning.	

Gifts, Grants, and Contracts for April 2010

Non-Research

Hawaii- Government Agencies

Human Services, Dept - HI	\$132,000
<u>Memorandum of Agreement between Dept. of Human Services & University of Hawaii, Maui Community College, to Provide Oral Health Services at MOHC.</u>	
Johnson, Nancy K	Chancellor, University of Hawaii Maui College
To ensure that students are provided a place where they may obtain clinical training. And both DHS & MCC understand & acknowledge that student participation makes it possible to provide oral health services, through Maui Oral Health Center, to adult family members eligible for TANF and TAONF.	
Human Services, Dept - HI	\$1,298,447
<u>Hawaii Child Welfare Education Collaboration Project</u>	
Godinet, Meripa T.	School of Social Work
To provide competency based education and training to Master's Social Work students in the area of public child welfare, on Oahu as well as on the neighbor islands through distance education.	
Human Services, Dept - HI	\$458,424
<u>Title IV-E Training Academy</u>	
Godinet, Meripa T.	School of Social Work
To train public child welfare workers and administrators to meet key competency areas in the public child welfare system. In addition, the project will also provide evaluation and assessment on trainings provided by the Title IV-E Training Academy.	
Land & Natural Res, Dept - HI	\$160,000
<u>Wildland Fire Mitigation through Fuel Reduction on the Island of Kauai</u>	
Duffy, David C	Department of Botany
Protect Native Forest Habitat and conservation research sites from potential wildfires through firebreaks and removal of wildland fire fuels.	
Land & Natural Res, Dept - HI	\$220,610
<u>Wao Kele o Puna Forest Reserve Coordinator</u>	
Duffy, David C	Department of Botany
Coordinate the conservation management and protection of the newly established Wao Kele o Puna Forest Reserve.	
Land & Natural Res, Dept - HI	\$45,000
<u>Volcano Rare Plant Facility (09)</u>	
Kaneshiro, Kenneth Y	Pacific Biosciences Research Center
Propagation and maintenance of endangered Hawaiian plant species at the Volcano Rare Plant Propagation Facility.	
Land & Natural Res, Dept - HI	\$3,000
<u>Whale Internship, 2010</u>	
Hunter, Cynthia L.	Waikiki Aquarium
Provide intern to assist with whale counts.	
Land & Natural Res, Dept - HI	\$38,202
<u>State Park Resource Management Rangers</u>	
Duffy, David C	Department of Botany
Implement natural and cultural resource protection projects, management activities to reduce threats to resources, and implement activities to encourage community involvement in state parks on Kauai.	

Gifts, Grants, and Contracts for April 2010

Non-Research

Hawaii- Government Agencies

Transportation, Dept - HI \$120,000

SAFETEA-LU 2010

Umehira, Ronny T

Chancellor, Leeward Community College

Replace aging training motorcycles, classroom training materials and training aids with new, more efficient equipment to ensure that the motorcycle safety training course remains in compliance with HAR 19-123 standards. Develop and implement an automated test scoring and metric collection program.

Hawaii- Non-Profit Organizations

General Contractors Association Education Foundation \$126,174

Construction Management Program

Llewellyn, Clark

School of Architecture

To support the bachelor's degree in the interdisciplinary arts with emphasis in construction management program at the school of architecture.

Hawaii Farm Bureau Federation \$86,282

On Farm Food Safety One-on-One Education Program for Commercial Produce Farmers in Hawaii (Subcontract between Hawaii Farm Bureau Federation and UH)

Hollyer, James R

Department of Plant and Environmental Protection Sciences

Provide one-on-one training to 50 farmers to prepare them for a Food Safety Certification Audit by the Hawaii Department of Agriculture, and to support HFBF in its efforts to encourage farmers to become certified, and prepare educational materials for certification process.

University of Hawaii Foundation \$5,000

Hawaiian Music Archive

Geary, Gregg S

Library

The project account is being used to process payroll for a Library hire who will reformat and transfer 78, 45 and 33rpm phonodiscs and upload to a demonstration web site.

University of Hawaii Foundation \$64,000

Confucius Institute Support

Lau, Frederick C.

Center for Chinese Studies

Provides salaries and fringe benefits for Confucius Institute support personnel, and misc. office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius Institute programs and activities.

University of Hawaii Foundation \$4,825

Support of a Marine Science Learning Center at Moku o Lo'e

Rivera, Malia Ana J

Hawaii Institute of Marine Biology

Support to develop a marine science learning center at Moku o Lo'e (Hawaii Institute of Marine Biology).

University of Hawaii Foundation \$40,356

Community-Based Coral Reef Awareness & Management in West Hawaii

Grau, E Gordon

Sea Grant College Program

In partnership with the Harold K.L. Castle Foundation & the Managing Better Together cadre, UH Sea Grant will advance coastal & ocean literacy in West Hawaii by providing formal & informal learning opportunities at schools, community meetings & events, public presentations, & other educational forums on Hawaii Island.

Gifts, Grants, and Contracts for April 2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$2,500
<u>Confucius Institute Support</u>	
Lau, Frederick C.	Center for Chinese Studies
Provides salaries and fringe benefits for Confucius Institute support personnel, and misc. office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius Institute programs and activities.	
University of Hawaii Foundation	\$14,500
<u>Arts & Humanities Faculty Support</u>	
Lee, Hye-Ryeon	College of Arts and Humanities
To support the salaries and fringe benefits costs of faculty in the College of Arts and Humanities.	
University of Hawaii Foundation	\$6,000
<u>KYA/Environmental Research & Design Laboratory</u>	
Meder, Stephen E	School of Architecture
The funds will be used to support the Environmental Research & Design Lab at the School of Architecture. Expenses will primarily be for the support of a research assistant.	
University of Hawaii Foundation	\$5,000
<u>CubeSat Project</u>	
Shiroma, Wayne Akira	College of Engineering
To fund launch and launch support of a student-built small satellite.	

Mainland- Business and Other

Lockheed Martin Corporation Space Systems	\$620,999
<u>Task Order (TO) 0090CLIN-005DARPA HTV OTTR/QUIK Mission Support</u>	
Shor, Alexander N	School of Ocean and Earth Science and Technology
The University of Hawaii proposes to provide R/V Ka'Imikai-0-Kanaloa, a research vessel owned and operated by the University, in support of the launch Mission DARPA HTV2-A in the Pacific Ocean.	
Thirty Meter Telescope Observatory Corporation	\$34,500
<u>Hawaii Island Akamai Program</u>	
Hunter, Lisa	Institute for Astronomy
Provide housing, meals, transportation and supplies for 12 students to attend the Akamai Internship program on Hawaii island.	

Mainland- Non-Profit Organizations

Association of Universities for Rsch in Astronomy, Inc (AURA)	\$200,000
<u>Conservation District Use Permit for the Proposed Advanced Technology Solar Telescope</u>	
Maberry, Michael T	Institute for Astronomy
All funding provided by the Association of Universities for Research in Astronomy, on behalf of the National Solar Observaionrh shall be used to provide legal representation for the Univerisy of Hawaii throughout the Conservation District Use Permitting process and any subsequent legal challenges.	

Gifts, Grants, and Contracts for April 2010

Non-Research

Mainland- Non-Profit Organizations

Education Trust, The \$10,000

Access to Success Leading Indicator Project

Johnsrud, Linda K

Vice President for Academic Planning and Policy

Support data analyzes, report preparation and presentation that will be carried out b UH System for the Leading indicator project between November 15, 2009 and April 30, 2010. This is a fixed price contract

Orthopaedic Research & Education Foundation \$12,500

OREF Clinician Development Program - Residency Enhancement Grant

Atkinson, Robert E

Department of Surgery

To provide funds for expenses associated with guest speakers for resident research day programs, visiting professorships, or similar lectureship programs for residents.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$77,000

Tenth Planetary Volcanology Workshop: Analogs to Martian Volcanic Features in Satellite and Rover Images

Rowland, Scott K

Department of Geology and Geophysics

Organize and run a workshop for NASA-funded Graduate students and Post-Docs to learn field volcanology. the workshop will occur on Hawaii Island.

National Science Foundation

National Science Foundation \$15,000

An Experimental Test of the Impacts of Rising Temperature on Carbon Input, Allocation, and Loss in Model Forests

Litton, Creighton

Department of Natural Resources and Environmental Management

This supplemental request is to support two undergraduate students from the University of Hawaii at Manoa for summer REU internships. Both students will participate in our ongoing, NSF-funded research for a period of 10 weeks (May 17, 2010 - July 31,2010).

US Colleges and Universities

Cornell University \$1,500

Advanced Study of Khmer (ASK)-Summer Abroad Intensive Program in Program

Sak-Humphry, Chhany

Department of Indo-Pacific Languages and Literatures

The intensive and immersion advanced study of Khmer language program in Cambodia.

Cornell University \$1,500

Advanced Study of Khmer (ASK)-Summer Abroad Intensive Program in Program

Sak-Humphry, Chhany

Department of Indo-Pacific Languages and Literatures

The intensive and immersion advanced study of Khmer language program in Cambodia.

Northern Illinois University \$19,500

Building Capacity for the Digitization, Dissemination, and Preservation of Southeast Asian Resources

Mochida, Paula T

Library

Technological Innovation for Foreign information Access Competition 2009-2013.

Gifts, Grants, and Contracts for April 2010

Non-Research

US Colleges and Universities

Northern Illinois University	\$33,000
<u>Building Capacity for the Digitization, Dissemination, and Preservation of Southeast Asian Resources</u>	
Mochida, Paula T	Library
Technological Innovation for Foreign information Access Competition 2009-2013.	
Northern Illinois University	\$18,000
<u>Building Capacity for the Digitization, Dissemination, and Preservation of Southeast Asian Resources</u>	
Mochida, Paula T	Library
Technological Innovation for Foreign information Access Competition 2009-2013.	
Northern Illinois University	\$20,500
<u>Building Capacity for the Digitization, Dissemination, and Preservation of Southeast Asian Resources</u>	
Mochida, Paula T	Library
Technological Innovation for Foreign information Access Competition 2009-2013.	

Subcount:	59	Subtotal:	\$5,945,116
Count:	<u>145</u>	Total:	<u>\$20,141,734</u>

Funds Received from UH Foundation for 04/01/2010 - 04/30/2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$5,000
"Hawaiian Music Archive"	
Geary, Gregg S	Library
The project account is being used to process payroll for a Library hire who will reformat and transfer 78, 45 and 33rpm	
University of Hawaii Foundation	\$40,356
"Community-Based Coral Reef Awareness & Management in West Hawaii"	
Grau, E Gordon	Sea Grant College Program
In partnership with the Harold K.L. Castle Foundation & the Managing Better Together cadre, UH Sea Grant will advance coastal & ocean literacy in West Hawaii by providing formal & informal learning opportunities at schools,	
University of Hawaii Foundation	\$2,500
"Confucius Institute Support"	
Lau, Frederick C.	Center for Chinese Studies
Provides salaries and fringe benefits for Confucius Institute support personnel, and misc. office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius	
University of Hawaii Foundation	\$64,000
"Confucius Institute Support"	
Lau, Frederick C.	Center for Chinese Studies
Provides salaries and fringe benefits for Confucius Institute support personnel, and misc. office expenses and express mail payments for CI office operations. Also usable to pay travel and housing costs in conjunction with Confucius	
University of Hawaii Foundation	\$14,500
"Arts & Humanities Faculty Support"	
Lee, Hye-Ryeon	College of Arts and Humanities
To support the salaries and fringe benefits costs of faculty in the College of Arts and Humanities.	
University of Hawaii Foundation	\$6,000
"KYA/Environmental Research & Design Laboratory"	
Meder, Stephen E	School of Architecture
The funds will be used to support the Environmental Research & Design Lab at the School of Architecture. Expenses will primarily be for the support of a research assistant.	
University of Hawaii Foundation	\$4,825
"Support of a Marine Science Learning Center at Moku o Lo'e"	
Rivera, Malia Ana J	Hawaii Institute of Marine Biology
Support to develop a marine science learning center at Moku o Lo'e (Hawaii Institute of Marine Biology).	
University of Hawaii Foundation	\$5,000
"CubeSat Project"	
Shiroma, Wayne Akira	College of Engineering
To fund launch and launch support of a student-built small satellite.	

Funds Received from UH Foundation for 04/01/2010 - 04/30/2010

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$28,654
"Effects of Common Germ-Line Genetic Variation on Ovarian Cancer Survival"	
Goodman, Marc T	Cancer Research Center
This study will collect additional information related to the treatment and disease progression of women with invasive ovarian cancer in the Hawaii Ovarian Cancer Study to investigate genetic markers associated with chemoresponse and	
University of Hawaii Foundation	\$7,500
"Pineapple Research"	
Paull, Robert E	Department of Tropical Plant and Soil Sciences
To carry out applied research to address Hawaii's Pineapple Industry needs.	
University of Hawaii Foundation	\$57,000
"Respiratory Health"	
Tam, Elizabeth K	Department of Medicine
Teach General Internal Medicine Ambulatory and inpatient care to medical students and medical residents, assist in clinical research, provide consultative care in inflammatory/immunologic diseases; develop/evaluate training	
University of Hawaii Foundation	\$180,000
"HMSA Endowed Chair for Health Care Services and Quality Research"	
Tseng, Chien-Wen	John A. Burns School of Medicine
To conduct health services research to improve quality of care for the people of Hawaii and nationally.	
Count:	<u>12</u>
Total:	<u>\$415,335</u>

**Extramural Research Awards
for the Month of
April 2010
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health and Human Services	8	\$3,715,738	26.17%
DOC-Dept of Commerce	2	\$159,326	1.12%
DOD-Department of Defense	5	\$782,625	5.51%
DOI-Dept of Interior	3	\$163,603	1.15%
ED-Dept of Education	1	\$493,490	3.48%
Foreign	1	\$582,853	4.11%
Hawaii- Business and Other	4	\$198,851	1.40%
Hawaii- Government Agencies	21	\$3,842,106	27.06%
Hawaii- Non-Profit Organizations	6	\$404,989	2.85%
Mainland- Business and Other	5	\$57,639	0.41%
Mainland- Health Organizations	1	\$94,916	0.67%
Mainland- Non-Profit Organizations	3	\$359,095	2.53%
National Aeronautics and Space Administration	6	\$724,371	5.10%
National Science Foundation	12	\$2,102,339	14.81%
US Colleges and Universities	8	\$514,677	3.63%
Total:	<u>86</u>	<u>\$14,196,618</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
April 2010
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health and Human Services	2	\$82,154	1.38%
DOC-Dept of Commerce	1	\$85,350	1.44%
DOD-Department of Defense	3	\$415,655	6.99%
DOI-Dept of Interior	2	\$21,000	0.35%
Dept of State	1	\$175,080	2.94%
ED-Dept of Education	3	\$228,970	3.85%
Foreign	3	\$447,325	7.52%
Hawaii- Business and Other	2	\$76,461	1.29%
Hawaii- Dept of Education	1	\$8,000	0.13%
Hawaii- Government Agencies	18	\$2,986,485	50.23%
Hawaii- Non-Profit Organizations	10	\$354,637	5.97%
Mainland- Business and Other	2	\$655,499	11.03%
Mainland- Non-Profit Organizations	3	\$222,500	3.74%
National Aeronautics and Space Administration	1	\$77,000	1.30%
National Science Foundation	1	\$15,000	0.25%
US Colleges and Universities	6	\$94,000	1.58%
Total:	<u>59</u>	<u>\$5,945,116</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/09 - 04/30/10
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	47	\$6,479,273	2.90%
DHHS-Dept of Health and Human Services	95	\$47,294,840	21.19%
DOC-Dept of Commerce	71	\$25,734,567	11.53%
DOD-Department of Defense	83	\$41,127,409	18.43%
DOE-Dept of Energy	14	\$4,777,133	2.14%
DOI-Dept of Interior	54	\$4,288,488	1.92%
ED-Dept of Education	7	\$1,565,663	0.70%
Federal Agencies	5	\$872,152	0.39%
Foreign	20	\$2,424,998	1.09%
Hawaii- Business and Other	27	\$1,412,467	0.63%
Hawaii- Dept of Education	1	\$45,662	0.02%
Hawaii- Government Agencies	117	\$16,285,412	7.30%
Hawaii- Health Organizations	9	\$766,087	0.34%
Hawaii- Non-Profit Organizations	50	\$3,599,166	1.61%
Mainland- Business and Other	66	\$7,158,324	3.21%
Mainland- Health Organizations	17	\$2,484,480	1.11%
Mainland- Non-Profit Organizations	29	\$2,196,953	0.98%
Miscellaneous	1	\$11,750	0.01%
National Aeronautics and Space Administration	70	\$11,550,021	5.17%
National Science Foundation	99	\$34,172,037	15.31%
US Colleges and Universities	92	\$8,966,501	4.02%
Total:	<u>974</u>	<u>\$223,213,383</u>	<u>100%</u>

Note: YTD amounts include adjustments.

Extramural Non-Research Awards
Year to Date: 07/01/09 - 04/30/10
Distribution by Sponsors

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	14	\$3,371,972	2.63%
DHHS-Dept of Health and Human Services	38	\$10,808,927	8.42%
DOC-Dept of Commerce	20	\$2,095,464	1.63%
DOD-Department of Defense	7	\$771,848	0.60%
DOI-Dept of Interior	13	\$387,553	0.30%
Dept of State	1	\$175,080	0.14%
ED-Dept of Education	63	\$32,113,828	25.01%
Federal Agencies	16	\$8,403,720	6.54%
Foreign	25	\$3,029,732	2.36%
Hawaii- Business and Other	35	\$4,216,272	3.28%
Hawaii- Dept of Education	13	\$874,267	0.68%
Hawaii- Government Agencies	112	\$17,396,460	13.55%
Hawaii- Health Organizations	30	\$10,059,172	7.83%
Hawaii- Non-Profit Organizations	98	\$7,218,044	5.62%
Mainland- Business and Other	16	\$2,754,603	2.15%
Mainland- Health Organizations	2	\$49,544	0.04%
Mainland- Non-Profit Organizations	24	\$2,276,059	1.77%
National Aeronautics and Space Administration	7	\$3,092,747	2.41%
National Science Foundation	36	\$17,514,619	13.64%
US Colleges and Universities	41	\$1,805,852	1.41%
Total:	<u>611</u>	<u>\$128,415,763</u>	<u>100%</u>

Note: YTD amounts include adjustments.