

## Gifts, Grants, and Contracts for July 2010

The following gifts, grants and contracts received by all campuses during the period July 1, 2010 through July 31, 2010 total \$51,001,910. The unofficial year-to-date total is: \$50,582,477.

### Research

#### DA-Dept of Agriculture

Agriculture, Dept - Agricultural Research Svc-FED \$41,285

Control of Minor Crop Pests and Diseases

Hu, Ching Yuan

College of Tropical Agriculture and Human Resources

The approach to this project is to address the development of economical and environmentally friendly pest and disease management strategies for Hawaii's economically important and potentially important crops.

Agriculture, Dept - FED \$61,000

Hawaii Experimental Tropical Forest

Duffy, David C

Department of Botany

Build research expertise and infrastructure at the newly established Hawaii Experimental Tropical Forest to help enhance the capabilities to conduct research in watershed science, silviculture, restoration ecology, wetlands biology and other disciplines in the Forest.

Agriculture, Dept - FED \$175,000

Biology and Management of Invasive Termite

Grace, Jack Kenneth JR

Department of Plant and Environmental Protection Sciences

Conduct comparative studies of behavior and control of the invasive Asian and Formosan subterranean termites in Hawaii.

Agriculture, Dept - FED \$117,603

Economic Analysis of Little Fire Ant Risk in Hawaii

Leung, Ping Sun

Department of Molecular Biosciences and Bioengineering

This research proposes a novel decision support model that can inform HDOA management over a wide range of events, decisions, and scenarios on the invasive species, little fire ant. The model will be designed to identify strategies yielding the greatest returns in risk reduction and damage mitigation.

Agriculture, Dept - Forest Service-FED \$299,832

Monitoring with Forest Inventory and Analysis in Hawaii Experimental Tropical Forest

Ostertag, Rebecca

Natural Sciences-UHH

Intensify the sampling effort (i.e., number of plots installed) by the Forest Inventory and Analysis (FIA) Program within the Hawaii Experimental Tropical Forest.

Agriculture, Dept - Natl Institute of Food and Agriculture \$178,880

Suppression of Banana Bunchy Top Virus Transmission Through Manipulation of the Virus-vector Interaction

Bressan, Alberto

Department of Plant and Environmental Protection Sciences

The overall goal of this proposal is to foster a basic understanding of Banana bunchy top virus-banana aphid interaction that will possibly allow the generation of new potential options for the management of the disease through manipulation at the virus-vector interface.

Agriculture, Dept - Natl Institute of Food and Agriculture \$280,628

Improving Disease Resistance of Taro (Colocasia esculenta) Through Marker-assisted Selection

Miyasaka, Susan C

Department of Tropical Plant and Soil Sciences

Taro (Colocasia esculenta) is a major staple crop in the Pacific. A major disease that threatens the sustainability of taro is Taro Leaf Blight caused by the pathogen *Phytophthora colocasiae*. This project seeks to accelerate the conventional breeding program of taro for pest resistance using marker-assisted selection.

## Gifts, Grants, and Contracts for July 2010

### Research

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

Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$323,030
<u>Accessing Cyanobacterial Chemical Diversity: A Unique Natural Product Library</u>	
Williams, Philip	Department of Chemistry
Large scale culture of cyanobacterial strains to produce compounds for the Molecular Libraries Small Molecule Repository.	
Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$2,097,037
<u>Institute for Biogenesis Research: COBRE</u>	
Ward, William S	Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
Develop the existing Institute for Biogenesis Research into a multi-disciplinary research center for reproductive biology research.	
Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$225,000
<u>Pseudoxanthoma elasticum: Elastic fibers alterations and characterization of serum factors</u>	
Le Saux, Olivier	Department of Cell and Molecular Biology
Elastic fibers are large, complex molecules that are important for life by providing specific mechanical properties to elastic tissues. To understand how elastic fibers are maintained over time, we are exploring the pathologic mechanism underlying pseudoxanthoma elasticum, a heritable disease, characterized by progressive elastic fiber	
Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$263,236
<u>Parallel MRI for High Field Neuroimaging</u>	
Stenger, Victor Andrew	Department of Medicine
This project is to develop and optimize the use of parallel transmitters for magnetic resonance imaging of the brain. We will produce new image acquisition methods that hav reduced artifacts and improved accuracy. The methods will be validated in human studies of the brain.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$603,641
<u>Inflammation and Innate Immunity Genes and Colorectal Cancer Risk</u>	
Le Marchand, Loic	Cancer Research Center
Conduct a family-based case-control association study of genetic variation in 38 genes in inflammation and innate immunity pathways and environmental exposures.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$618,330
<u>Self-Control as a Moderator for Effects of Mass Media on Adolescent Substance Use</u>	
Wills, Thomas	Cancer Research Center
This is a research program to investigate effects of movies and advertising on adolescent smoking and alcohol use. A field study with middle school students will be conducted in Hawaii and four laboratory studies with persons from this population will be conducted in Hawaii, Michigan, and New Hampshire.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$697,264
<u>Hawaii Minority-Based Community Clinical Oncology Program</u>	
Cho, Jonathan	Cancer Research Center
This award will provide funding to allow minority and underserved populations in Hawaii receive state-of-the-art cancer treatment and to participate in cancer prevention and control studies	

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### Research

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

- Health & Human Svc, Dept/NIH - Natl Cancer Institute \$228,000  
Testing Alternative Stage Models of Smoking Cessation: An Intervention Study  
Herzog, Thaddeus Cancer Research Center  
An intervention study is proposed in which participants receive stage-matched interventions for smoking cessation. The 3-study conditions will use three different staging systems to determine the stage of each smoker. Stage 1 - stages for change. Stage 2 - an alternative developed by the PI. Stage 3 is a control condition.
- Health & Human Svc, Dept/NIH - Natl Cancer Institute \$40,479  
Self-Control as a Moderator for Effects of Mass Media on Adolescent Substance Use  
Wills, Thomas Cancer Research Center  
This is a research program to investigate effects of movies and advertising on adolescent smoking and alcohol use. A field study with middle school students will be conducted in Hawaii and four laboratory studies with persons from this population will be conducted in Hawaii, Michigan, and New Hampshire.
- Health & Human Svc, Dept/NIH - Natl Ctr for Comp & Altrntv Med \$185,625  
Mechanisms by Which Selenium Influences T Helper Cells During Immune Response  
Hoffmann, Peter Department of Cell and Molecular Biology  
This goal of this project is to identify specific mechanisms by which selenium influences immune response.
- Health & Human Svc, Dept/NIH - Natl Ctr for Rsch Resources \$2,827,898  
Research Outcomes Accelerating Discoveries for Medical Applications and Practice  
Ostrander, Gary Kent John A. Burns School of Medicine  
The RCMI Program aims to further develop research excellence in biomedicine and health by fostering translational research linking basic science and clinical medicine. Research activities include biomedical imaging and bioengineering, bioactive nutrients, tropical infectious diseases detection and prevention and expanded biostatistics and computer core support services.
- Health & Human Svc, Dept/NIH - Natl Human Genome Rsch Inst \$1,688,554  
Epidemiology of Putative Causal Variants in the Multiethnic Cohort  
Le Marchand, Loic Cancer Research Center  
This project will characterize in the five MEC ethnic/racial populations, the associations of putative causal variants discovered for various chronic diseases in large ongoing genomic studies.
- Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis \$191,875  
Altered Peptide Ligands and Immunopathogenesis of Dengue Virus Infection  
Imrie, Allison Dept of Trop Med, Medical Microbiology and Pharmacology  
We aim to understand the mechanisms contributing to pathogenesis of severe disease. Our study findings are directly applicable to dengue vaccine design that may improve safety by avoiding potential cross-reactivity in T cell responses.
- Health & Human Svc, Dept/NIH - Natl Inst of Neurolgcl Disordr & Stroke \$666,312  
HIV and Global Drug Therapies: Peripheral Neuropathy Complications and Mechanisms  
Shikuma, Cecilia M Department of Medicine  
This proposal will study whether low baseline peripheral nerve fiber density will predict development of neuropathy in a clinical cohort in Thailand; and also study the role of mitochondria.

## Gifts, Grants, and Contracts for July 2010

### Research

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

Health & Human Svc, Dept/NIH - Natl Inst of Neurologcl Disordr & Stroke \$325,051

HIV-1 Specific Immune Responses in Thai Individuals with HIV Dementia

Kim, Silvia R Department of Medicine

To test a possible mechanism behind the reason why HIV-1 infected individuals with a strong HIV-1 specific T cell response tend not to develop neurological symptoms of HIV dementia.

Health & Human Svc, Dept/NIH - Natl Inst on Aging \$59,999

Hawaii Family Study of Cognition

Onoye, Jane Department of Psychiatry

This phase of the Hawaii Study of Cognition will contact living members of the original families to see if they are willing to participate in a follow up study, and develop a short battery of tests that can be used in the planned retesting.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$159,006

Impact of Marijuana Exposure on Brain Maturation

Cloak, Christine C John A. Burns School of Medicine

This career development award provides support to launch an independent research career. This includes integrated didactic and research components. Adolescents with and without regular marijuana use are evaluated with several magnetic resonance imaging techniques to measure brain structure and chemistry, for correlation with measures of cognitive abilities and cortisol levels.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$670,774

RGR-Based Motion Tracking for Real-Time Adaptive MR Imaging and Spectroscopy

Ernst, Thomas M. Department of Medicine

This Bioengineering Research Partnership aims to develop (1) an optical head tracking system and (2) real-time adaptive Magnetic Resonance imaging and spectroscopy techniques for use with the tracking system. The tracking system will allow accurate measurement of subject motion and enable successful MR acquisitions without motion artifacts in the data.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$169,731

Neurodevelopment of Methamphetamine Exposure of Children

Derauf, Donald C Department of Pediatrics

The mentored patient oriented research career development award will allow Dr. Derauf protected time and support to develop the expertise needed to transition his career from one primarily focused on clinical service, teaching and administration to one focused on independent research and clinical program development.

#### DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$116,966

Development of an Extended and Long-range Precipitation Prediction System over the Pacific Islands

Annamalai, H Joint Institute for Marine and Atmospheric Research

To develop and transition a dynamical precipitation prediction system for the U.S. Affiliated Pacific Islands.

## Gifts, Grants, and Contracts for July 2010

### Research

#### DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$94,238

Evaluation and Improvements of Cloud and Precipitation Physics in the Operational Hurricane WRF Model at NCEP/EMC

Wang, Yuqing Joint Institute for Marine and Atmospheric Research

To improve the cloud microphysics scheme used in the Hurricane Weather Research and Forecast (HWRF) model developed in the Environmental Modeling Center (EMC) at the National Centers for Environmental Prediction (NCEP) of NOAA, with the ultimate goal to improve the prediction of hurricane structure and intensity by

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$127,366

Oceanography Initiative

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research

Research will be conducted to advance our understanding of the oceanography and its link to the insular and pelagic ecosystems within the newly created Pacific Monuments.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$370,000

Western Pacific Fishery Information Network Project

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research

Provide technical and operational support to members of the participating agencies to provide best-available fisheries data to scientists, researchers, and managers within the Joint Institute for Marine and Atmospheric Research (JIMAR), University of Hawaii (UH), National Marine Fisheries Service (NMFS), and Western Pacific Fishery Information Network (WPacFIN).

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$589,547

Fisheries Oceanography: Ecosystems Observations and Research Program

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research

To support an array of discrete scientific projects that bridge research investigations to produce ecosystem-level analyses and products.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$169,740

ADMB Open Source Project

Sibert, John R Joint Institute for Marine and Atmospheric Research

To develop the protocols for maintaining a source code repository and producing binary distributions, and for testing and distributing the AD Model Builder (ADMB) software across multiple platforms, operating systems and compilers for fishery science modeling use.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$121,673

Applications of Satellite Ocean Remote Sensing to Living Marine Resources (Ocean Remote Sensing)

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research

To develop and integrate information derived from analyses of satellite oceanographic data into population dynamics research.

#### DOD-Department of Defense

Defense, Dept - Dep Under Secy of Defense \$190,000

Managing Partner of Pacific Disaster Center

Gaines, James R Vice President for Research

This Cooperative Agreement provides for the transfer of Federal funds for the involvement of the Pacific Disaster Center into a public-private partnership benefiting from shared responsibilities and assistance from the

## Gifts, Grants, and Contracts for July 2010

### Research

#### DOD-Department of Defense

Department of Defense and the Managing Partner (recipient) with its internal management, administration, and development of concepts as proposed by the Recipient on August 17, 2009 in response to Funding Announcement HQ0034-09-RFCA-3001 and accepted by the Government.

Defense, Dept - Office of Naval Research \$504,000

Hawaii Energy and Environmental Technologies (HEET) Initiative, Phase II (FY09)

Rocheleau, Richard E Hawaii Natural Energy Institute

Conduct research on development and testing of fuel cells, exploration and characterization of methane hydrates, and testing of emerging alternative energy technologies.

Defense, Dept - Office of Naval Research \$106,671

Understanding Predictability of the Ocean

Powell, Brian Department of Oceanography

ONR Young Investigator Program: Research into the factors that control the predictability in ocean modeling. Focus will be on the model parameterizations and the influence of specific observations.

#### DOE-Dept of Energy

Energy, Dept - FED \$137,988

Probing the Reaction Dynamics of Hydrogen-Deficient Hydrocarbon Molecules and Radical Intermediates via Crossed Molecular Beams

Kaiser, Ralf Ingo Department of Chemistry

We want to find out how PAHs and their precursors are formed in combustion flames.

Energy, Dept - FED \$1,188,736

Research on Distributed Electricity Systems Resources, Amdt 001

Surles, Terrance Hawaii Natural Energy Institute

Managing distribution system resources for improved service quality and reliability, transmission congestion relief, and grid support functions. Amendment 001 involves the awarding of funds from the American Recovery and Reinvestment Act of 2009 (Recovery Act). Recovery Act funds come with a different set of terms and conditions compared to the original funds.

Energy, Dept - FED \$145,000

Development of Catalytic Alkylation and Fluoroalkylation Methods

Vicic, David Department of Chemistry

To develop energy efficient methods for alkylation and fluoroalkylation.

#### DOI-Dept of Interior

Interior, Dept - U.S. Fish & Wildlife Service \$50,000

Project Support for Kauai Invasive Species Committee

Duffy, David C Department of Botany

Conduct early detection research and investigate strategies for high risk invasive species.

## Gifts, Grants, and Contracts for July 2010

### Research

#### DOI-Dept of Interior

Interior, Dept - U.S. Fish & Wildlife Service	\$35,000
<u>Project Support for Maui and Molokai Invasive Species Committee</u>	
Duffy, David C	Department of Botany
Conduct field surveys for Little Fire Ants on Molokai and create a public outreach video and PSA.	
Interior, Dept - U.S. Fish & Wildlife Service	\$50,000
<u>Project Support for Oahu Invasive Species Committee</u>	
Duffy, David C	Department of Botany
Conduct early detection research and investigate strategies for high risk invasive species.	
Interior, Dept - U.S. Fish & Wildlife Service	\$50,000
<u>Project Support for Big Island Invasive Species Committee</u>	
Duffy, David C	Department of Botany
Conduct early decision research and investigate strategies for high risk invasive species.	
Interior, Dept - U.S. Fish & Wildlife Service	\$6,657
<u>Pagan Island Snail Surveys</u>	
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	\$18,532
<u>UHH Hawaiian Forest Database: Saipan Island</u>	
Ziegler-Chong, Sharon	College of Agriculture, Forestry-UHH
Interior, Dept - U.S. Geological Survey	\$10,976
<u>Using Gamma-Ray, Neutron, and Spectral Reflectance Data to Obtain Accurate Measures of Global Iron Abundances</u>	
Gillis-Davis, Jeffrey	Hawaii Institute of Geophysics and Planetology
Determine the source of discrepancies in estimated iron compositions for the Moon between three different data sets: gamma-ray, neutron, and spectral reflectance data.	
Interior, Dept - U.S. Geological Survey	\$250,000
<u>Cooperative Monitoring and Assessment of Hawaii Volcano Hazards 2011</u>	
Hirokawa, Randy	Chancellor, University of Hawaii at Hilo-UHH
Conduct training, research and public outreach on Hawaii's volcanoes	
Interior, Dept - U.S. Geological Survey	\$119,275
<u>Determination of Large-Scale Hydrodynamics of DECOMP Physical Model with SF6 Tracer Release Experiments</u>	
Ho, David	Department of Oceanography
SF6 tracer release experiments will be used to study the large scale water movement in the DECOMP Physical Model region of the Everglades.	

## Gifts, Grants, and Contracts for July 2010

### Research

#### Federal Agencies

Homeland Security, Dept - FED	\$2,100,000
<u>The National Center for Island, Maritime and Extreme Environment Security (CIMES)</u>	
Gaines, James R	Vice President for Research
The goal of this Center of Excellence is to develop leading-edge, multi-institutional, focused education and basic research program capable of delivering the scientific advances necessary to permit revolutionary improvements in America's ability to protect its citizens, infrastructure, economy, and environment in the Maritime, Remote Island, and Extreme Environment domain.	
Veterans Affairs, Dept - FED	\$10,307
<u>Neurobehavioral Assessment of Interpersonal Functioning in PTSD</u>	
Frueh, Christopher B.	Social Sciences-UHH - Division Office
Provide consultation on the clinical assessment measures, behavioral interventions for PTSD, and clinical science aspects of PTSD.	
Veterans Affairs, Dept - FED	\$10,307
<u>Neurobehavioral Assessment of Interpersonal Functioning in PTSD</u>	
Frueh, Christopher B.	Social Sciences-UHH - Division Office
Provide consultation on the clinical assessment measures, behavioral interventions for PTSD, and clinical science aspects of PTSD.	
Veterans Affairs, Dept - FED	\$10,307
<u>Neurobehavioral Assessment of Interpersonal Functioning in PTSD</u>	
Frueh, Christopher B.	Social Sciences-UHH - Division Office
Provide consultation on the clinical assessment measures, behavioral interventions for PTSD, and clinical science aspects of PTSD.	

#### Foreign

GNS Science International Limited	\$48,200
<u>Regional Partnerships for Climate Change Adaptation and Preparedness</u>	
Gaines, James R	Vice President for Research
The Pacific Disaster Center will provide GIS Specialist services as part of an Asian Development Bank Climate Change Adaptation and Preparedness Program	
Japan Agency for Marine-Earth Science & Tech (JAMSTEC)	\$2,151,000
<u>JAMSTEC Year 14</u>	
Hamilton, Kevin P	Department of Meteorology
Provide an international research environment dedicated to improving understanding of the nature and predictability of climate variability in the Asia-Pacific sector, including influences of global environmental change within the region.	
Korea Ocean Research & Development Inst (KORDI)	\$117,000
<u>IMI-120 Sonar Surveys for KORDI in the Eastern North Pacific Ocean</u>	
Shor, Alexander N	School of Ocean and Earth Science and Technology
Conduct surveys in Eastern North Pacific Ocean, using University of Hawaii's IMI-120 side-scan sonar and bathymetric mapping system in support of research for the Korea Ocean Research and Development Institute. Surveys are to take place in August 2010 from the KORDI research vessel Onnuri, from Honolulu to Honolulu.	



## Gifts, Grants, and Contracts for July 2010

### Research

#### Foreign

National Institute of Water & Atmospheric Rsch (NZ)	\$5,140
<u>Vulnerable Deep-Sea Communities off New Zealand (DSCA103)</u>	
Smith, Craig R	Department of Oceanography
Participation in research to study biodiversity, biomass, and community structure in vulnerable deep-sea marine ecosystems on the New Zealand margin, including submarine canyons.	
Pusan National University	\$40,564
<u>Studies of Predictability of the Intraseasonal Variability over the East Asian Monsoon System</u>	
Wang, Bin	Department of Meteorology
Investigation of predictability and prediction skill of the intraseasonal variation over East Asia.	

#### Hawaii- Business and Other

Chamber of Commerce of Hawaii	\$12,500
<u>Evidence Based Research for More Appropriate Public Health Nutrition Education</u>	
Titchenal, C Alan	Department of Human Nutrition, Food and Animal Sciences
This year-long project at the University of Hawaii at Manoa, will combine collection of health-related data with health education. Collected data will be utilized both for individual feedback to participants and for development of an evidence basis for properly targeted health education.	
Ohu 'Ohu Ko'olau, Inc.	\$20,000
<u>Koolau Mountains Watershed Partnership Coordination and Logistical Support</u>	
Morden, Clifford W	Department of Botany
Research and manage watershed conservation on the Koolau Mountains on Oahu.	

#### Hawaii- Government Agencies

City & County of Honolulu	\$612,151
<u>Biological and Sediment Monitoring Program with Supplemental Studies</u>	
Moncur, James E	Water Resources Research Center
The fundamental objective of the program is to assess the chronic effects of ocean outfall discharges of treated sewage on the marine communities and sediments.	
County of Kauai - Office of Economic Development	\$20,000
<u>Comprehensive Interactive Statistical Database for Kauai 2010</u>	
Gangnes, Byron Scott	Social Science Research Institute
Create and maintain a comprehensive statistical database for Kauai, to be presented in a web-based, on-line format, in tabular and graphical form, that can be downloaded and printed as a databook; prepare brief Kauai Economic outlook summary; consultation.	
Health, Dept - HI	\$223,810
<u>Social Epidemiology Project/Epidemiologic Research Relating to Public Health</u>	
Maddock, Jason E.	Office of Public Health Studies
This project provides evaluation and research support to the Healthy Hawaii Initiative.	

## Gifts, Grants, and Contracts for July 2010

### Research

#### Hawaii- Government Agencies

Health, Dept - HI	\$75,000
<u>Source Water Assessment Program (SWAP), Maintenance 2008-11</u>	
El-Kadi, Aly I	Department of Geology and Geophysics
Assess the susceptibility of new drinking sources to contamination, update potentially contaminating activities databases, and do-pre-construction assessments of proposed drinking water source locations.	
Health, Dept - HI	\$377,416
<u>Evaluation for the Hawaii State Department of Health Nutrition Education Network (SNAP-Ed)</u>	
Heinrich, Katie	Department of Public Health Sciences and Epidemiology
Provide program evaluation and research services for the Hawaii State Department of Health, Nutrition Education Network's Supplemental Nutrition Assistance Program - Nutrition Education. This includes evaluating population needs and providing training and technical assistance as necessary.	
Judiciary, Dept - HI	\$22,145
<u>Program Evaluation for Juvenile Detention Alternatives Initiative, First Judicial Circuit, State of Hawaii</u>	
Steffen, John	Social Science Research Institute
Conduct field test and validation study of a detention risk assessment instrument. Analyze existing data. Assist in completion of quarterly data reports. Assist in developing routine statistical reports.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$7,800
<u>The Development of a Biocontrol Option for Alien Algae Control</u>	
Duffy, David C	Department of Botany
Research sea urchins as a biocontrol option against invasive alien algae.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$30,000
<u>Design, Development, and Implementation of a Survey of the Fisheries of West Maui with Emphasis on the Kahekili Herbivore Fisheries Management Area</u>	
Friedlander, Alan M	Department of Zoology
Design and help implement study to determine fishing effort and catch for the Kahekili Herbivore Fisheries Management Area, Maui. Assist in developing a series of training sessions for participants. Develop a database and analytical structure to analyze these data. Develop a report of finding.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$136,800
<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 - Div of Forestry & Wildlife-HI	\$91,094
<u>Natural Area Reserves Management</u>	
Duffy, David C	Department of Botany
Research and manage endangered species in their protective habitats in the state's natural are reserves with a focus on the native ecosystem and species diversity.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$45,000
<u>Diet Composition of Maui Parrotbill and Availability of Arthropod Prey at Kahikinui, a Potential Site of Reintroduction</u>	
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH
Identify arthropod prey in the diet of the Maui Parrotbill and to survey arthropod food resources at Kahikinui, Maui,	

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### Research

#### Hawaii- Government Agencies

as part of an assessment of the site's potential to support a reintroduced population of this critically endangered Hawaiian honeycreeper species

Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$32,508
<u>Natural Area Reserves Management</u>	
Duffy, David C	Department of Botany
Add education and outreach component of existing Natural Area Reserves ecosystem research and management project.	
Land & Natural Res, Dept - HI	\$77,500
<u>Maui District Endangered Species Research</u>	
Duffy, David C	Department of Botany
Research and monitor endangered seabirds on Maui, Molokai, and Lanai in conjunction with statewide, multi-agency seabird recovery research, planning, and management.	
Land & Natural Res, Dept - HI	\$21,704
<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	\$80,000
<u>Coordination and Planning of the Kauai Seabird Habitat Conservation Plan on Kaua'i, Hawai'i</u>	
Duffy, David C	Department of Botany
Complete a programmatic seabird habitat conservation plan and National Environmental Policy Act analysis for the incidental take of endangered seabirds due to light attraction.	
Land & Natural Res, Dept - HI	\$142,670
<u>Endangered Maui Forest Bird Population Research and Management</u>	
Duffy, David C	Department of Botany
Research and manage recovery efforts for endangered Maui forest birds, including the Po'ouli.	

#### Hawaii- Non-Profit Organizations

HCF-Geist Foundation	\$50,000
<u>Analysis of MYCN Regulation by Chromosome Conformation Capture</u>	
Wada, Randal K	Cancer Research Center
This project will identify and characterize functionally significant regions in DNA that turn the MYCN gene on and off in tumor cells.	
Hawaii Community Foundation (HCF)	\$49,933
<u>Synthesis and Biological Evaluation of the Anti-Renal Cancer Compound Englerin A</u>	
Chain, William J.	Department of Chemistry
The laboratory synthesis of the natural product englerin A is proposed. Englerin A is a potent and selective anti-renal (kidney) cancer agent and may represent a new class of anti-cancer agent. The biological evaluation of	

## Gifts, Grants, and Contracts for July 2010

### Research

#### Hawaii- Non-Profit Organizations

englerin A and analogs may identify a novel cancer signaling pathway and may identify a new drug lead.

Hawaii Community Foundation (HCF) \$50,000

Development of a New Model Organism to Provide New Insight into Fundamental Mechanisms of Human Development and Disease

Martindale, Mark Q.

Pacific Biosciences Research Center

A local hemichordate worm is an ancient relative to chordates like fish and human beings. Our molecular work will

Hawaii Community Foundation (HCF) \$50,000

A Novel Model for Erasure of Traumatic Memories: Implications for Prevention of Post-Traumatic Stress Disorder

Todorovic, Cedomir

Department of Cell and Molecular Biology

Reliving traumatic memories is a major symptom of PTSD. Effective treatment of this disorder therefore calls for prevention strategies as an alternative to current treatment options. This proposal is focused on providing a new model for memory erasure involving JNKs, NMDA and AMPA receptors.

Hawaii Community Foundation (HCF) \$50,000

Inflammatory Cytokines in Box Jellyfish Envenomation

Yanagihara, Angel A

Pacific Biosciences Research Center

Box jellyfish sting results range from pain and inflammation to cardiovascular and systemic complications called Irukandji syndrome. The discovery that inflammatory cytokines correlate to Irukandji syndrome clinically and in vitro prompt this animal model study necessary to inform improved treatment options.

Hawaii Community Foundation (HCF) \$49,982

Ras/ERK MAP Kinase Inhibitors from Marine Sources

Williams, Philip

Department of Chemistry

The discovery of anticancer agents from marine organisms.

Tri-Isle Resource Conservation & Dev Council \$66,440

East Maui Watershed Protection

Morden, Clifford W

Department of Botany

Conduct applied conservation research and management to protect the native rainforests in East Maui's watershed.

University of Hawaii Foundation \$25,000

Cell and Molecular Biology Program

Humphreys, Tom D II

Pacific Biosciences Research Center

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

University of Hawaii Foundation \$60,000

Philosophy for Children Research Associate

Jackson, Thomas E

Department of Philosophy

The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of a proposed "Philosopher in Residence" initiative at two public schools in Hawaii.

## Gifts, Grants, and Contracts for July 2010

### Research

#### Mainland- Business and Other

Argonne National Laboratory	\$166,500
<u>Anti-Neutrino Imaging Prototype Detector</u>	
Learned, John G	Department of Physics and Astronomy
Construct a ~2 liter prototype scintillation neutrino detector.	
Smithsonian Astrophysical Observatory	\$66,166
<u>The Distribution and Interactions of Luminous and Dark Matter in Strong-Lensing Clusters at <math>z&gt;0.3</math></u>	
Ebeling, Harald	Institute for Astronomy
X-ray observations of four galaxy clusters showing striking signs of gravitational lensing in existing high-quality imaging data obtained previously with the Hubble Space Telescope will allow us to measure the distribution of luminous and dark matter in these exceptional systems, and improve our understanding of cluster evolution.	
Smithsonian Astrophysical Observatory	\$24,598
<u>MACSJ0358.8-2955: Much More Distant and Exciting Than We Thought</u>	
Ebeling, Harald	Institute for Astronomy
MACSJ0358.8-2955 is a galaxy cluster recently discovered to be much more distant than previously thought. At its new distance, the system is one of the most massive known and a promising target for studies of dark matter. Our short exploratory observation of the system will reveal whether an in-depth study is warranted.	
Space Telescope Science Institute	\$6,125
<u>Cycle 17: Binary Brown Dwarfs and the L/T Transition</u>	
Liu, Michael C	Institute for Astronomy
Analyze the NICMOS finding, both new detections of candidate substellar binaries and the ensemble of non-detections.	
Woods Hole Oceanographic Institution	\$76,837
<u>Shoreline Evolution and Coastal Resiliency at Two Military Installations: Modeling of Hurricane Surge, Wave, and Overwash</u>	
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

Children's Hospital Boston	\$9,000
<u>Novel Influenza (H1N1) Surveillance Registry - Consortium Agreement with Children's Hospital Boston under NIH-NHLBI contract no. HHSN268200536179C</u>	
Hedges, Jerris	John A. Burns School of Medicine
This is a consortium agreement to include Hawaii as an enrollment site for the H1N1 Surveillance Registry. The UH Clinical Research Center will assist Dr. Rupert Chang, project PI, with data collection on patients with H1N1 influenza admitted to the Pediatric ICU at Kapiolani Medical Center for Women and Children.	
Leukemia and Lymphoma Society	\$146,667
<u>Mechanism of Anti-Cancer Drug Resistance to TLR Ligands</u>	
Chu, Wen-Ming	Cancer Research Center
Understand the mechanism of anti-cancer drug resistance.	

## Gifts, Grants, and Contracts for July 2010

### Research

#### Mainland- Non-Profit Organizations

Bigelow Laboratory for Ocean Sciences	\$8,695
<u>Collaborative Research: High Resolution Bacterial Mat Sampler for Operation with Deep Submergence Vehicles</u>	
Glazer, Brian	Department of Oceanography
Subcontract between lead institution, Bigelow Laboratory for Ocean Sciences. Provide electrochemical guidance, development, deployment, analyses and overall management.	
Consortium for Ocean Leadership	\$17,379
<u>IODP Expedition 327</u>	
Fryer, Patricia	Hawaii Institute of Geophysics and Planetology
Core fluid analysis at the Juan de Fuca mid ocean ridge with graduate student.	
Consortium for Ocean Leadership	\$69,061
<u>Participation in the Up-Coming Integrated Ocean Drilling Program (IODP) Expedition #327</u>	
Cowen, James P	Department of Oceanography
Salary support to participate in the up-coming IODP Expedition #327 Juan de Fuca Hydrogeology aboard the JOIDES Resolution.	
Nature Conservancy	\$32,814
<u>Nutrient Uptake Dynamics of an Invasive and Native Vegetated Canopy</u>	
Thomas, Florence	Hawaii Institute of Marine Biology
Measure uptake of dissolved nutrients by 2 canopies - Avranvillea amadelpha and Helophila hawaiiiana.	
Nature Conservancy	\$30,000
<u>Determining Natural and Anthropogenic Influences on Ocean Acidification Across Micronesia</u>	
Timmermann, Axel	Department of Oceanography
Analysis of ocean acidification patterns (natural and anthropogenic) in a earth system model simulation covering the Last Millennium.	
Nature Conservancy	\$10,000
<u>Impact on the Fishery and Diet of Oio (bonefish, Albula spp.) in Maunalua Bay, Oahu, Associated with Alien Algae Removal</u>	
Okimoto, Darren K	Sea Grant College Program
To compile information on tagging studies and angler interviews for data analysis and reporting.	
Planetary Science Institute	\$8,135
<u>US Near-Earth Object Surveillance Satellite Science Team Support</u>	
Granvik, Mikael	Institute for Astronomy
Operation support for the participation of scientists on the Near Earth Space Surveillance Science Team of the Near-Earth Object Surveillance Satellite mission.	
University Corporation for Atmospheric Research	\$14,710
<u>Okeanos ROV Research Cruise</u>	
Bingham, Brian S	Department of Mechanical Engineering
This project would support two graduate students from the University of Hawaii at Manoa to participate in the upcoming research expedition on the R/V Okeanos Explorer.	

## Gifts, Grants, and Contracts for July 2010

### Research

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$20,000

Water and Habitable Worlds

Meech, Karen J Institute for Astronomy

This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.

National Aeronautics & Space Administration \$33,898

Investing Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis

Qiu, Bo Department of Oceanography

Characterize and understand the nature and causes of the large-scale fluctuations in the midlatitude North and South Pacific Oceans on time scales from interannual to decadal.

National Aeronautics & Space Administration \$72,532

Searching for Products of Extreme Lunar Magmatic Fractionation: Understanding the Moon's Differentiation and Resource Potential

Taylor, G Jeffrey Hawaii Institute of Geophysics and Planetology

This research will study unusual lunar samples that are loaded with trace elements. They are interesting for understanding how the lunar crust formed and for assessing their potential as future lunar resources.

#### National Science Foundation

National Science Foundation \$444,000

CRC: Chemistry of Unsaturated Hydrocarbons in Titan's Atmosphere

Kaiser, Ralf Ingo Department of Chemistry

An investigation of the chemical processing of Saturn's moon Titan and of cold molecular clouds.

National Science Foundation \$122,747

The Gemini NICI Planet-Finding Campaign

Liu, Michael C Institute for Astronomy

To support the science activities of the NICI (Near-IR Coronagraphic Imager) Planet-Finding Campaign to be conducted at the Gemini-South 8.1 meter Telescope.

National Science Foundation \$68,571

Collaborative Research: Modeling and Synthesis Study of a Natural Iron Fertilization Site in the Southern Drake Passage

Measures, Christopher Department of Oceanography

This proposal is about a model and synthesis study of coupled physical and biogeochemical transport processes, coupled Fe recycling, evolution of a plankton community and export flux, and potential changes in these fundamental physical, biogeochemical and ecosystem processes under climate changes scenarios in the Southern Ocean.

National Science Foundation \$50,657

Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multidisciplinary Approach - Marine Ecosystems

Smith, Craig R Department of Oceanography

We will evaluate patterns of seafloor community development beneath the recently collapsed Larsen B ice shelf, and explore the biodiversity of a the first known cold seep on the Antarctic margin.

## Gifts, Grants, and Contracts for July 2010

### Research

#### National Science Foundation

National Science Foundation \$148,294

Studies on Dynamics of ENSO (El Niño-Southern Oscillation) Complexity

Jin, Fei-Fei Department of Meteorology

This renewing project focuses on investigating the physical mechanism for complex behavior of ENSO (El Niño-Southern Oscillation) and the underlying mechanisms that controls ENSO responses to the tropical climate changes associated with Global Warming.

National Science Foundation \$53,000

I/UCRC Center for Bioenergy Research and Development

Turn, Scott Q Hawaii Natural Energy Institute

Conduct bioenergy related research and development in accordance with Industry/University Cooperative Research Center program's Center for Bioenergy Research and Development.

National Science Foundation \$364,541

CAMEO: Multiscale Modeling of Hawaii's Coral Reef Communities

Donahue, Megan J Hawaii Institute of Marine Biology

This proposal will combine local-scale, empirically-derived models of coral population dynamics with existing data from archipelago-wide surveys of coral reef communities to develop spatially continuous models of coral community composition and dynamics.

National Science Foundation \$276,909

Collaborative Research: Host-Environment-Pathogen Interactions in a Model Coral Disease System

Aeby, Greta S Hawaii Institute of Marine Biology

We will examine the mechanisms underlying the differential disease susceptibility found in orange vs. red morphs of *M. capitata*. Differences between color morphs in antimicrobial activity, bacterial communities, vulnerability to environmental stressors will be measured. Three putative bacterial pathogens will be tested.

National Science Foundation \$193,526

Full Vector Studies of the Last 60 Thousand Years Derived From the East Maui Volcano, Hawaii

Herrero-Bervera, Emilio Hawaii Institute of Geophysics and Planetology

To obtain geomagnetic directions and paleointensities of the last 60k years recorded on the East Maui lavas, Maui, Hawaii.

National Science Foundation \$83,969

The Response of the Marine Osmium Isotope Record to Impact Events

Ravizza, Gregory E. Department of Geology and Geophysics

This proposal seeks support to continue work on the marine Os isotope record. In this cycle we are concentrating our efforts on establishing the utility of Os isotopes and platinum group element ratios for recognizing large impact events in the geologic record and estimating their size.

National Science Foundation \$299,984

Investigation of Binary Mixture Flow Boiling in Micro-Scale Structures

Qu, Weilin Department of Mechanical Engineering

The proposed research will explore the various transport phenomena associated with flow boiling mixtures in micro-scale flow channels.



# Gifts, Grants, and Contracts for July 2010

## Research

### National Science Foundation

National Science Foundation \$461,958

CIF: Small: Channels with Memory -- Universal-Compression-Based Modeling Principles for Computing and Optimizing Information Rates

Kavcic, Aleksandar

Department of Electrical Engineering

Development of universal modeling principals for describing communication channels with memory, and applying these principles to develop computational tools for evaluating channel capacities.

National Science Foundation \$139,789

REU: Assessing the Relationship of Natural Resource Exploitation Strategies with the Rise of Social Complexity in the Hawaiian Islands through Stone Tool Geochemistry

Lundblad, Steven

Natural Sciences-UHH

Conducting an extensive lithic provenance study from previously excavated, pre-contact habitation sites in Hawaii using Energy Dispersive X-ray Fluorescence (EDXRF).

National Science Foundation \$179,420

Ultracool Astrophysics from Substellar Binaries

Liu, Michael C

Institute for Astronomy

We will conduct a deep, sensitive search of the coldest known brown dwarfs to identify new substellar binaries suitable for dynamical mass determinations and to search for free-floating objects colder than anything currently known. We will greatly expand the sample of dynamical mass measurements for substellar binaries through a high-precision AO monitoring campaign.

National Science Foundation \$161,090

Pan-STARRS Photometry, GBT HI Observations, and Galaxy Distances

Tully, R Brent

Institute for Astronomy

The proposed research focuses on two related activities. The first involves the determination of distances to a large sample of galaxies. The second involves the development of the Extragalactic Distance DATABASE, EDD.

National Science Foundation \$525,000

Structure and Dynamics in Elastin

Kumashiro, Kristin K

Department of Chemistry

The proposed research uses solid-state nuclear magnetic resonance and other techniques in biophysics and biochemistry to characterize the molecular structure and dynamics in elastin and related polypeptides.

National Science Foundation \$213,960

EAGER: Application of Transcriptomics to Investigate Organism-Environment Relationships in Marine Zooplankton

Lenz, Petra H

Pacific Biosciences Research Center

To develop transcriptomics approaches to investigate gene regulation as a function of environmental cycles and in response to experimental manipulation to establish physiological state in marine zooplankton.

### US Colleges and Universities

Alaska, University of \$37,500

Proposal for Post-Certification Activities at IMS Stations I39PW, Palau and I52GB, Diego Garcia (I52GB, Diego Garcia)

Garces, Milton A

Hawaii Institute of Geophysics and Planetology

Continued maintenance operation for Palau and Diego Garcia.

## Gifts, Grants, and Contracts for July 2010

### Research

#### US Colleges and Universities

Alaska, University of	\$37,500
<u>Proposal for Post-Certification Activities at IMS Stations I39PW, Palau and I52GB, Diego Garcia (I39PW Palau)</u>	
Garces, Milton A	Hawaii Institute of Geophysics and Planetology
Continued maintenance operation for Palau and Deigo Garcia.	
California San Diego, University of	\$324,111
<u>Rapid Tests for Drug Resistance to Detect Extensively Resistant Tuberculosis</u>	
Douglas, James T	Department of Microbiology
Genetic analysis of drug resistance n tuberculosis.	
Dartmouth College	\$22,746
<u>Visual Media Influences on Adolescent Smoking Behavior</u>	
Wills, Thomas	Cancer Research Center
Conceptualizing & analyzing data on media smoking exposure & adolescent & young adult outcomes; set up mediation & moderation analyses for effects of movie smoking exposure & will coordinate with the statistical consultant on incorporating time-varying effects in the analyses.	
Johns Hopkins University	\$16,815
<u>Longitudinal Survey of Quality of Life and School for Military Children and Their Parents Stationed in Hawaii</u>	
Berg, Kathleen F	Curriculum Research and Development Group
For 3-year longitudinal study, provide input into parent and children questionnaires, consulting on focus group sampling, and assistance with logistics in setting up focus groups as well as consultation on data interpretation, review and critique of reports, and participation in annual debriefing sessions.	
Maryland, University of	\$384,171
<u>Collaborative Research: MRI-R2 Instrument Development of the Askaryan Radio Array A Large-scale Radio Cherenkov Neutrino Detector at the South Pole</u>	
Gorham, Peter W	Department of Physics and Astronomy
Develop a large-scale ultra-high energy neutrino detection instrument, centered on the NSF-funded IceCube Observatory currently under construction at the South Pole.	
Maryland, University of	\$30,000
<u>Alliance for Coastal Technology: NOAA Cooperative Agreement</u>	
Atkinson, Marlin J	Hawaii Institute of Marine Biology
To work with data base on coastal technologies for monitoring.	
Maryland, University of	\$325,000
<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.	
Northeastern University	\$58,275
<u>Cannabinergic Ligands and Drugs</u>	
Tius, Marcus A	Department of Chemistry
The research is a collaborative effort in which my group is responsible for the preparation of a series of small molecules to be evaluated for various pharmacological properties.	

## Gifts, Grants, and Contracts for July 2010

### Research

#### US Colleges and Universities

Northeastern University	\$61,681
<u>Endocannabinoid Active Sites as Therapeutic Targets</u>	
Tius, Marcus A	Department of Chemistry
Preparation through chemical synthesis of a series of organic small molecules to use as probes for biological function.	
Pittsburgh, University of	\$41,263
<u>Computational Analysis of Noninvasive Ventilation</u>	
Tam, Elizabeth K	Department of Medicine
We will develop educational software to characterize clinician practice patterns and improve practitioners performance and patient safety.	
South Dakota, University of	\$36,800
<u>Self-Control and Alcohol Problems: Psychological Mechanisms</u>	
Wills, Thomas	Cancer Research Center
Dr. Wills and the PI have collaborated on the design of the study. he will assist the PI in matters related to tracking participants, assessment of self-control, and statistical analyses. he will provide expertise in respect to theoretical models of self-control and behavior. He will also participate in manuscript preparation.	
Southern California, University of	\$81,738
<u>A Multiethnic Genome Wide Scan of Prostate Cancer</u>	
Le Marchand, Loic	Cancer Research Center
To conduct a whole genome association study of prostate cancer among five ethnic groups to identify genetic susceptibility factors for this common cancer.	
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.	

**Subcount: 133 Subtotal: \$30,707,845**

### Non-Research

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

Health & Human Svc, Dept - Agency for Healthcare Research & Quality	\$65,486
<u>Pacific Institute of Nursing Research Conference</u>	
Mark, Debra D	Department of Nursing
To provide funds for a pre-conference workshop as well as travel stipends for nurses from neighbor islands and the Pacific Rim to attend the PIN conference during the years 2009-2012.	

## Gifts, Grants, and Contracts for July 2010

### Non-Research

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

Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA)	\$670,166
<u>Hawaii MCH Leadership Education in Neurodevelopmental and Related Disorders</u>	
Iwaishi, Louise K	Center on Disability Studies
Interdisciplinary leadership training for advanced graduate students in maternal child leadership.	
Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA)	\$332,662
<u>Program for the Retention of Nursing Students (PRNs)</u>	
Mark, Debra D	Department of Nursing
The purpose of the Program for the Retention of Nursing students (PRNs) is to improve the nursing workforce diversity in Hawaii through a program of educational opportunities and support in order to improve success as measured by graduation rates and NCLEX-RN licensure for individuals from disadvantaged backgrounds in rural Hawaii.	
Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA)	\$302,736
<u>Implementation of a New Adult Health Clinical Nurse Specialist Program Using Electronic Distance Learning Technology</u>	
Qureshi, Kristine	Department of Nursing
Implementation via electronic distance learning methodologies such as video teleconference and Sakai online learning system, will allow nurses who are unable to access classes in traditional on-campus setting to acquire the necessary advanced nursing knowledge and skills to become clinical nurse specialists.	
Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA)	\$300,221
<u>Online PhD Program for Rural Under served Communities</u>	
LeVasseur, Sandra	Department of Nursing
Purpose of the project is to develop culturally sensitive recruitment strategies to expand access to AAPI students, upgrade to a blended IT communications model and build a virtual research community.	
Health & Human Svc, Dept - Sbstnc Abuse & Mntl Hlth Svcs Adm	\$100,000
<u>UH Multi-Campus Suicide Prevention Project</u>	
Tanouye, Allyson M	Vice President for Student Affairs
Infrastructure building for 10 University of Hawaii system campuses for suicide prevention. Activities include promotion of wellness, needs assessment through wala'au sessions, creation of media, brochures, posters, resource development, and travel to sister campuses.	
Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst	\$144,990
<u>Cardiovascular Autonomic Function in HIV Virologic Failure</u>	
Chow, Dominic Cheung	Department of Medicine
To determine the autonomic function of HIV-infected individuals with viremia compared with HIV-infected individuals with virologic suppression.	
Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis	\$41,380
<u>HIV DNA in CNS Compartments in Relation to HIV-Associated Neurocognitive Disorders</u>	
Shiramizu, Bruce T	Department of Medicine
The goal of the project is to train the applicant in neuroAIDS research as a predoctoral student by studying the role that HIV plays in Causing HIV-associated neurocognitive problems. Dr. Shiramizu will be the mentor for Melissa Agsalda.	

## Gifts, Grants, and Contracts for July 2010

### Non-Research

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

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$202,033  
Neuroimaging and Mentoring in Drug Abuse Research  
Chang, Linda Department of Medicine  
Support of 50% salary for PI to ensure protected time to conduct ongoing research and continue to mentor junior clinician scientists in research on HIV and methamphetamine abuse.

#### DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$45,000  
MOBY Shore Support at UH Marine Center  
Shor, Alexander N School of Ocean and Earth Science and Technology  
Provide outdoor storage area, utilities and other support services to MOBY at the UH Marine Center.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$14,485  
REEF WATCH WAIKIKI: Advancing Marine Science Education and Training through Community Monitoring of the Waikiki Marine Life Conservation District  
Barrett, Jennifer Sea Grant College Program  
Reef Watch Waikiki will employ nearshore ecological monitoring as a method for training and educating community residents on marine resource issues. The skills acquired through participation in classroom training, cyberlearning, and field work will prepare participants for future employment opportunities in the field.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$14,847  
Innovative Fisheries and Aquaculture Distance Learning at the American Samoa Community College  
Temple, Ephraim Sea Grant College Program  
The UH Sea Grant College Program will establish a computer lab at the American Samoa Community College specifically to partner with the UH Aquaculture Program and UH Outreach College in offering online courses in aquaculture and fisheries to high school and college students from American Samoa.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$30,000  
An angler-based Tagging Program for Bonefish (Albula spp.) in Hawaii: Engaging Fisherman in Science and Conservation  
Okimoto, Darren K Sea Grant College Program  
To raise awareness and understanding of the public, resource users, resource managers, and to provide species-specific information for decision makers that utilize and manage local fisheries resources.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$38,000  
HIMB NOAA Fellowship Program  
Lemus, Judith D Hawaii Institute of Marine Biology  
To place Hawaii graduate and undergraduate student fellows in NOAA Pacific Region agency offices for one-year paid internships to acquire real-world job experience and skills.

#### DOD-Department of Defense

Defense, Dept - Army \$10,000  
Support for the Hawaii-Pacific Islands Cooperative Ecosystems Studies Unit  
Duffy, David C Department of Botany  
Provide support to the Hawaii-Pacific Islands Cooperative Ecosystems Studies Unit.

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### DOD-Department of Defense

Defense, Dept - Army \$19,165

2010 IEEE International Conference on Wireless Information Technology Systems

Iskander, Magdy F.

Hawaii Center for Advanced Communications

Support for travel, accommodations and registration for sponsored key note speakers, registration for selected paper contest students, and materials/supplies for the 2010 IEEE International Conference on Wireless Information Technology Systems, August 28 - September 3, 2010, Hilton Hawaiian Village, Honolulu, Hawaii.

#### DOI-Dept of Interior

Interior, Dept - National Park Service \$98,544

Multidisciplinary Research and Education at Honouliuli Internment Camp, Phase 2

Falgout, Suzanne

Chancellor, University of Hawaii at West Oahu

two years of multidisciplinary research 2/archival sources for Honouliuli, expanded to collections on neighbor islands & mainland. Oral history collections also expanded to those residing on neighbor islands. Matching funds provided thru delivery of 2 new courses, 2 summer archaeology field schools, plus facilitation by the PI.

Interior, Dept - National Park Service \$29,080

Unspoken Memories: Oral Histories of Hawaii Internees at Jerome, Arkansas

Nishimoto, Warren S

Social Science Research Institute

This project will focus on the wartime experiences of family members who left their homes in Hawaii to be with fathers who had been removed from the islands in 1942 and incarcerated in camps on the continental US. The Center for Oral History will interview 15 individuals.

Interior, Dept - U.S. Fish & Wildlife Service \$46,415

UH HIP Association with PIPES

Ziegler-Chong, Sharon

Pacific Aquaculture-UHH

Interior, Dept - U.S. Geological Survey \$47,000

Nene Habitat Use/Movement

Ziegler-Chong, Sharon

Pacific Aquaculture-UHH

#### ED-Dept of Education

Education, Dept - FED \$13,300

Ciber 2006-10: Enhancing U.S. Service Competitiveness in the Asia Pacific Region

Daniel, Shirley June

Shidler College of Business

Enhancing U.S. Service Industry Competitiveness in the Asia Pacific Region.

Education, Dept - FED \$497,630

Title III: ANNH Grant Supplemental Funding (Technology Innovation) - Kupu Ka Wai

Matsui, Sandra Y

Chancellor, Honolulu Community College

Funds will be used to support technology innovations: Develop & implement new online learning platforms to deliver instruction and student support services; expand faculty and staff development; acquire educational technology tools to support distance and blended learning; create technology integrated classes for learning.

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### ED-Dept of Education

Education, Dept - FED	\$250,000
<u>Windward Community College Upward Bound Program</u>	
Gillis-Davis, Lisa C	Chancellor, Windward Community College
Windward Upward Bound will provide opportunities for 50 low-income/first generation college potential public school students to receive academic support, career guidance, college planning, and summer residential college experience.	
Education, Dept - FED	\$226,600
<u>Windward Community college Educational Talent Search Program -Windward</u>	
Oliveira, Judy	Chancellor, Windward Community College
Education, Dept - FED	\$2,204,400
<u>State of Hawaii GEAR UP 84.334S</u>	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
Increasing the number of low-income students who are prepared to enter and succeed in postsecondary education.	
Education, Dept - FED	\$294,459
<u>ACE for English Language Learner's Literacy: Professional Development Program</u>	
Kim-Rupnow, Weol Soon	Center on Disability Studies
Our purpose is to develop, provide, and evaluate high-quality Professional Development (DP) activities that will result in improved academic achievement with enhanced English skills and motivation of ESL students.	
Education, Dept - FED	\$347,426
<u>Students with Disabilities as Diverse Learners: Innovative Teaching Methods in Postsecondary Education</u>	
Stodden, Robert A	Center on Disability Studies
The ultimate goal of the proposed project is to improve faculty attitudes, knowledge, and practice, resulting in increased retention and completion of postsecondary education by students with disabilities.	
Education, Dept - FED	\$77,491
<u>Hawaii Project for Children and Young Adults who are Deaf-Blind</u>	
Roberts, Kelly D	Center on Disability Studies
Provide Technical Assistance and Training to service providers, families, and youth in the state of Hawaii - associated with Deaf-Blindness.	
Education, Dept - FED	\$92,000
<u>Pacific Project for Children and Young Adults Who are Deaf-blind</u>	
Roberts, Kelly D	Center on Disability Studies
Provide Technical Assistance and Training to service providers, families, and youth throughout the Pacific Jurisdictions - associated with Deaf-Blindness.	
Education, Dept - FED	\$226,600
<u>Windward Community College Educational Talent Search Program - Honolulu</u>	
Oliveira, Judy	Chancellor, Windward Community College

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### ED-Dept of Education

Education, Dept - FED \$683,338

Title III, Strengthening a New Ecology of Engaged Teaching and Learning for student Success

Richards, Leon Chancellor, Kapiolani Community College

Comprehensive integration of research-based best practices in student support and high impact practices in student learning across the College's continuum of developmental education to degree-applicable course work, associate and baccalaureate degree completion.

Education, Dept - FED \$500,000

Creating a Mobile High-Touch, High-Tech Learning Environment: A Program to Promote Academic & Psychosocial Engagement & to Increase Participation STEM

Randall, Linda Chancellor, University of Hawaii at West Oahu

This proposal addresses the activities that UHWO can implement to increase college success as measured by improving retention and graduate rates. It also aims to increase access to higher education by increasing opportunities for students to participate successfully in STEM classes and disciplines. UHWO will develop a high-touch mobile learning environment.

Education, Dept - FED \$478,665

University of Hawaii at Manoa GEAR UP Program

Malate, Agnes Vice Chancellor for Student Affairs

The GEAR UP Partnership provides 1298 low-income middle school students access to rigorous academic preparation, financial information, and education awards to enter and succeed in post-secondary education. The program features an innovative language awareness and culture education component, tutoring, mentoring, professional development, and parent workshops.

Education, Dept - FED \$153,054

Improving Teacher Quality Grants (2010) - SAHES

Sorensen, Christine College of Education

Administer grant competition within Hawaii for higher education projects to improve teacher quality.

Education, Dept - FED \$294,034

Upward Bound Math & Science, Yr 2

Woods, Leonard Vice Chancellor for Student Affairs-UHH

Education, Dept - FED \$430,114

Upward Bound Program, Yr 1

Woods, Leonard Vice Chancellor for Student Affairs-UHH





## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Hawaii- Business and Other

Damien Memorial School		\$195,390
<u>University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program - Damien Memorial School 2010-2016</u>		
Kimura, Iris F	Kinesiology and Leisure Science Department	
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical & research experiences in order to enhance the education & research application of athletic training/sports medicine practice.		
East West Center		\$249,567
<u>Subproject for Institution # 20062135</u>		
Okikawa, Noreen	Vice President for Student Affairs	
East West Center		\$35,915
<u>Student Employment Agreement with EWC</u>		
Okikawa, Noreen	Vice Chancellor for Student Affairs	
Student employment payroll for East West Center (EWC) to be managed by SECE.		
East West Center		\$37,471
<u>Student Employment Agreement with EWC</u>		
Okikawa, Noreen	Vice Chancellor for Student Affairs	
Student employment payroll for East West Center (EWC) to be managed by SECE.		
East West Center		\$32,946
<u>Student Employment Agreement with EWC</u>		
Okikawa, Noreen	Vice Chancellor for Student Affairs	
Student employment payroll for East West Center (EWC) to be managed by SECE.		
East West Center		\$36,621
<u>Student Employment Agreement with EWC</u>		
Okikawa, Noreen	Vice Chancellor for Student Affairs	
Student employment payroll for East West Center (EWC) to be managed by SECE.		
East West Center		\$228,770
<u>Subproject for Institution # 20062135</u>		
Okikawa, Noreen	Vice President for Student Affairs	
East West Center		\$259,966
<u>Subproject for Institution # 20062135</u>		
Okikawa, Noreen	Vice President for Student Affairs	

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Hawaii- Business and Other

East West Center		\$239,169
<u>Subproject for Institution # 20062135</u>		
Okikawa, Noreen	Vice President for Student Affairs	
Healy Tibbits Builders, Inc.		\$29,633
<u>Ocean Engineering Internship</u>		
Cheung, Kwok Fai	Department of Ocean and Resources Engineering	
Internship program for graduate students in Ocean and Resources Engineering.		
Kamehameha Schools		\$79,233
<u>Kamehameha Schools and PIPES: UH-HIP and CRMIP Pilot 2010</u>		
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH	
Connect Native Hawaiians and other kamaaina undergraduates to summer internship opportunities; pilot a cultural resource management summer experiential internship program; and evaluate effectiveness of using the PIPES internship model for internships in the cultural resources management field.		
Kamehameha Schools		\$278,853
<u>Hookulaiwi: Aha Hoonaaauao Oiwi</u>		
Shultz, Pohai Kukea	Department of Curriculum Studies	
Hookulaiwi aims to offer original insights into Hawaiian knowledge and practices, as well as insights on how this information can be utilized to form the pedagogical foundations to K-12 classrooms with high numbers of Hawaiian children and graduate level education. This request is to primarily support preservice and inservice teachers.		
Kamehameha Schools		\$55,000
<u>Keaukaha Community Resource Center</u>		
Ikeda, Carol S	College of Tropical Agriculture and Human Resources	
To hire a technology program coordinator for the Keaukaha Community Resource Center who will provide educational programs for youth and adults in the community.		
Kamehameha Schools		\$8,000
<u>Urban Design Workshop - Redevelopment Scenarios Moiliili/University</u>		
Llewellyn, Clark	School of Architecture	
Research activities defined to explore a redevelopment scenario for the Moiliili University gateway. the scenario is guided by the objective to define contextually and culturally appropriate development criteria in the contemplation of a new urban identity for the Moiliili and University of Hawaii communities.		
Makai Ocean Engineering, Inc		\$30,818
<u>Ocean Engineering Internship</u>		
Cheung, Kwok Fai	Department of Ocean and Resources Engineering	
Internship program for graduate students in Ocean and Resources Engineering.		

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Hawaii- Dept of Education

Education, Dept - HI \$45,634  
Professional Development for Teachers: Mathematics  
Anderson, Mitchell Chancellor, University of Hawaii at Hilo-UHH  
Design & deliver professional development in mathematics to support Hawaii's Title II highly qualified teacher state and equity plans

#### Hawaii- Government Agencies

Agriculture, Dept - Aquaculture Dev Prog-HI \$145,047  
Sustainable Aquaculture and Food Security in the State of Hawaii: Survey and Improvement of Farm Production and Post-Harvest Practices for Biosecurity  
Tamaru, Clyde S Sea Grant College Program  
Provide technical assistance and conduct survey of current aquaculture enterprises in the state of Hawaii. Subcontract for services being proposed in proposed work that is attached.

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$53,000  
Strengthening the Capacity of Non-Profit Organizations on the Leeward Coast of Oahu  
Minerbi, Luciano Department of Urban and Regional Planning  
Assist DBEDT (CBED) to develop, assess and support capacity building for community based organizations in the Leeward coast of Oahu.

Hawaii Community Development Authority \$10,000  
Urban Design Workshop - Redevelopment scenarios for Central Kakaako  
Llewellyn, Clark School of Architecture  
Research activities defined to explore a redevelopment scenarios for Central Kakaako. The scenario is guided by the objective to define contextually and culturally appropriate development criteria in the contemplation of a range of possible market conditions that may occur during the imminent densification of existing conditions.

Hawaiian Home Lands, Dept - HI \$100,000  
Agricultural Education Program Contract 2009-2010  
Cox, Linda J College of Tropical Agriculture and Human Resources  
Provide educational and technical services to DHHL agricultural and pastoral leaseholders for commercial and subsistence agricultural production, in areas such as crop production, management, marketing, financial and business skills.

Health, Dept - Child & Adolescent Mntl Hlth Div-HI \$141,402  
Ohana Ho'oikaika UH School of Social Work & Dept of Health CAMHD  
Morelli, Paula T School of Social Work  
Develop and provide case management curricula, training and services as described in attached scope of services.

Health, Dept - HI \$1,741  
Certified Nurses' Aide Program  
Shigehara, Deborah Chancellor, Hawaii Community College  
To provide training to individuals seeking to obtain a Certified Nurses' Aide certification and/or to further their education in the medical/health.

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Hawaii- Government Agencies

Health, Dept - HI	\$99,926
<u>Healthy Hawaii Institute 2009</u>	
Matsuda, Jon M	Outreach College
The University of Hawaii will design and implement a combination of at least 6 upper and graduate level teacher education courses in the areas of health education and/or physical education for the 2009 Healthy Hawaii Summer	
Health, Dept - HI	\$173,910
<u>Certified Nurse Aid Training &amp; Support Services for Employment Program</u>	
Johnson, Nancy K	Chancellor, University of Hawaii Maui College
Implement a Certified Nurse Aid training & Support Services for Employment Program at UH Maui College that will assist in development of the direct caregiver workforce in the State of Hawaii. This project is funded by Dept of	
Health, Dept - HI	\$600,000
<u>Hawaii Health Data Warehouse</u>	
Maddock, Jason E.	Cancer Research Center
Maintain the operation of the HHDW with the addition of new licenses, data sets, hardware (Servers), new reports and expand technical training. Enhance the functionality of the warehouse and website.	
Human Services, Dept - HI	\$179,124
<u>Adult Basic Education &amp; Vocational Instruction</u>	
Umehira, Ronny T	Chancellor, Leeward Community College
Adult basic education and vocational skills services for First-to-Work participants	
Human Services, Dept - HI	\$478,961
<u>Vocational Rehabilitation Needs Assessment</u>	
Izutsu, Satoru	John A. Burns School of Medicine
Conduct assessment of VR service outcomes, conduct assessment of consumer satisfaction with VR services, conduct assessment of long-term VR service impact, produce a grant project consistent with Rehab Act priorities, provide technical assistance, provide website, determine VR needs of persons with mental emotional disabilities, provide services for SRC.	
Human Services, Dept - HI	\$232,426
<u>Partnership to Promote the Efficiency and Effectiveness of the State of Hawaii's Medicaid Program through the Oral Health Initiative - Task Order #5</u>	
Johnson, Nancy K	Chancellor, University of Hawaii Maui College
UH Maui College Allied Health Department and ORal Health professionals will provide administrative case management, intra/agency coordination, collaboration and administration, program planning and policy development, quality management and training of dental auxiliaries.	
Judiciary, Dept - HI	\$12,964
<u>Indigent Legal Assistance Fund (ILAF) - Legal Services for the Elderly</u>	
Pietsch, James H	William Richardson School of Law
Provide legal services to socially and economically needy persons 60 years and older.	

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Hawaii- Government Agencies

Land & Natural Res, Dept - HI \$65,000  
Kipuka 21 Nature Trail Development and Management  
Duffy, David C Department of Botany  
Develop and manage a public access trail in Kipuka 21 on the Big Island.

#### Hawaii- Health Organizations

Kapiolani Medical Center \$66,612  
University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program -Kapiolani Medical Center for Women & Children 2010-2012  
Kimura, Iris F Kinesiology and Leisure Science Department  
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experiences in order to enhance the education & research application of athletic training/sports medicine practice.

Kuakini Medical Center \$763,827  
Reimbursement Agreement - FY2011, Agreement No. SF11-KUA-Surg  
Takanishi, Danny M Jr. Department of Surgery  
Agreement to provide physician & physician related services for Fiscal Year 2011.

#### Hawaii- Non-Profit Organizations

Hawaii Coalition Against Sexual Assault \$67,581  
The Development of a Manual on Best Practice Standards for the Delivery of Sexual Assault Services in Hawaii  
Baker, Charlene Department of Psychology  
The project involves documenting best practices for providing sexual assault services that are being implemented in other states and to develop a best practice standards manual that is specific to Hawaii.

Maui Economic Opportunity, Inc \$48,312  
MEO Photovoltaic System Green Training Program  
Sakamoto, Clyde M Chancellor, University of Hawaii Maui College  
SLIM shall develop & deliver curricula to MEO for "Small Business and Residential Photovoltaic Systems" and "Commercial Building Photovoltaic Systems" training programs. SLIM (with support from VITEC) will develop training manuals for each training program, recruit instructors, and serve as educational coordinator.

PAC 5 \$83,506  
UHM Advanced Athletic Training Graduate Assistantship Program - Pac 5  
Kimura, Iris F Kinesiology and Leisure Science Department  
Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical and research experiences in order to enhance the educational and research application of athletic training/sports medicine practice.

Tri-Isle Resource Conservation & Dev Council \$25,872  
Expanding Forest Recovery Project to Upper Hana Forest Reserve: Phase 1, Initiation of Upper Hana Forest Reserve Fence Background and Project Overview  
Morden, Clifford W Department of Botany  
Protect upper Hana Forest Reserve from ungulate damage.

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$123,410
<u>Capturing the Momentum: P3 Initiative 2010</u>	
Housman, April	Ka Haka'Ula O Ke'Elikolani-UHH
University of Hawaii Foundation	\$2,865
<u>KYA/Environmental Research &amp; 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	\$22,500
<u>Asia-Pacific Economic Cooperation (APEC)</u>	
Greenwood, M.R.C.	President, University of Hawaii System
To support the President's and University's liaison to the APEC Host Committee, which will be facilitating the 2011 APEC conference to be held in Honolulu, Hawaii.	
University of Hawaii Foundation	\$12,820
<u>ADRC S&amp;F Agreement</u>	
Masaki, Kamal H	Department of Geriatric Medicine
Salary and Fringe Benefit Expenses for Alzheimer's Disease Referral Clinic (ADRC) Services.	
University of Hawaii Foundation	\$10,000
<u>Sen Soshitsu Students'/Staff Support</u>	
Huey, Robert N	Center for Japanese Studies
To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.	
University of Hawaii Foundation	\$3,257
<u>Brecht International Festival - Mahagonny Songspiel</u>	
Paxton, Laurence J	Department of Music
Funds will be used to pay wages, honoraria, stipends to music students who participated in the "Mahagonny Songspiel" for the "International Brecht Society Symposium" as musicians at community events for educational purposes.	
University of Hawaii Foundation	\$10,000
<u>Creating Leaders for the 21st Century</u>	
Sorensen, Christine	College of Education
Screen and select participants, provide stipends and training, as well as set up and monitor inter/external relationship experiences with established leaders in education, business, or non-profit organizations. Training will be provided through a three credit graduate course in critical reflection in educational administration.	

## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Mainland- Business and Other

JB&A, Inc. \$125,000

Photogrammatic Neutrino Detection

Learned, John G

Department of Physics and Astronomy

1) Develop a one of a kind photogrammatic neutrino detection mechanism for nuclear reactor detection and study of geochemistry. 2) Perform system engineering analysis 3) Design, prototype and demonstrate full spectrum geopositioning products.

#### Mainland- Non-Profit Organizations

Abbott Laboratories Fund \$93,393

An Open-label, Randomized Phase 3 Study of the Efficacy and Tolerability of Linifanib (ABT-869) versus Sorafenib in Subjects with Advanced Hepatocell

Cho, Jonathan

Cancer Research Center

This is a Phase 3 randomized, clinical trial, sponsored by a collaborative agreement between Abbott Labs and Genentech, comparing the effectiveness of the study drug, Linifanib (ABT-869), versus Sorafenib in subjects with advanced hepatocellular carcinoma (HCC), enrolling approximately 900 subjects at 200 sites worldwide.

American Society for Engineering Education \$27,812

SMART Defense Scholarship for Thomas Ryan Swindle

Barnes, Joshua E

Institute for Astronomy

The SMART Program pays full tuition and mandatory fees for Thomas Ryan Swindle, made on behalf of the Department of Defense (DoD) by the American Society for Engineering Education (ASEE).

Consortium for Ocean Leadership \$28,000

Application of Environmental Genomics to Understanding the Potential Impact of Microorganisms on the Biogeochemistry of the Sediment-covered Oceanic B - Fellowship S. Jungbluth

Rappe, Michael S.

Hawaii Institute of Marine Biology

This fellowship will support graduate student Sean Jungbluth for one year in order to investigate the activity and genetic potential of microorganisms living in the deep subsurface of Earth.

National Marine Sanctuary Foundation \$26,638

Learning Ocean Science Through Ocean Exploration Professional Development

Heckman, Mark B

Vice President for Research

Performance of two professional development workshops and marine educator evening events to support educators in the use of the NMSF Ocean Exploration program (curricula, web site and resources); includes training, evaluation, and introduction to local resources that relate to the curricula.

New England Foundation for the Arts \$2,000

National Dance Project-Noche Flamenca

Patti, Joseph S

Chancellor, Leeward Community College

Public performance and outreach activities with Noche Flamenca dance group

Western States Arts Federation (WESTAF) \$2,500

Tour West - Noche Flamenca

Patti, Joseph S

Chancellor, Leeward Community College

Performance and outreach of Noche Flamenca performance in January 2001.



## Gifts, Grants, and Contracts for July 2010

### Non-Research

#### Mainland- Non-Profit Organizations

Western States Arts Federation (WESTAF) \$2,500  
Patrick Ball, Theatre of Legend  
Slaughter, Timothy Roy Outreach Community Programs  
Performance, workshop and community outreach with celtic harpist and storyteller Patrick Ball.

#### National Science Foundation

National Science Foundation \$792,876  
IRNC: ProNet - TransLight / Pacific Wave  
Lassner, David K Information Technology Services  
Serve as the lead institution for TransLight / Pacific Wave, which provides the major U.S. national capability to interconnect and exchange traffic with and among international research and education networks throughout the Pacific Rim.

National Science Foundation \$658,078  
Transforming Agriculture and Natural Resource Management Education to Keep Up with the Changing Industry  
Sylva, Traci Y Department of Molecular Biosciences and Bioengineering  
This proposed ATE project involves making the following improvements for the Leeward Community College Plant Bioscience Technician (PBT) program which will serve as a model program for technicians in the diversified agriculture industry: 1) Recruitment, 2) Program Improvement, and 3) Dissemination.

National Science Foundation \$117,640  
Ka`imi`ike: Explorations in the Geosciences for Native Hawaiians and Pacific Islanders (Track 2)  
Gibson, Barbara A. Department of Oceanography  
Ka`imi`ike aims to introduce Native Hawaiians and Pacific Islanders to fields in the geosciences through an exploratory summer institute where local geoscientist showcase their careers and research. Activities that utilize GPS, GIS, and remote sensing technologies will be emphasized, and the program will provide a venue for a cooperative internship program.

National Science Foundation \$12,986  
Seeing Clearly: The Measurement and Impacts of Atmospheric Turbulence and Refractivity on the Propagation of Extraterrestrial Radiation  
Businger, Steven Department of Meteorology  
This proposal requests supplemental funds to support the development and publication of a textbook entitled, Seeing Clearly: The Measurement and Impacts of Atmospheric Turbulence and Refractivity on the Propagation of Extraterrestrial Radiation.

National Science Foundation \$1,244,327  
University of Hawaii Ship Operations 2005-2009  
Taylor, Brian School of Ocean and Earth Science and Technology  
Continuation of NSF-Funded Operations of R/V Kilo Moana.

National Science Foundation \$49,999  
Pacific Ocean Literacy for Youth, Publics, Professionals and Scientists (POLYPPS)  
Cooper, Patricia A School of Ocean and Earth Science and Technology  
Training educators and scientists to effectively communicate ocean sciences to a multi-ethnic population expressing a range of cultural contexts. POLYPPS is a collaboration whose partners include universities, community colleges, research institutes, professional societies, aquariums, museums, community organizations,

# Gifts, Grants, and Contracts for July 2010

## Non-Research

### National Science Foundation

government agencies and private companies.

National Science Foundation \$10,000

University of Hawaii Partnership with the NSF I/U CRC for Telecommunication Circuits and Systems at Arizona State University

Iskander, Magdy F. Hawaii Center for Advanced Communications

This will provide two middle/elementary school teachers with engineering experiences in research by UH faculty/researchers to support science, technology, engineering and mathematics (STEM). The proposed program will be teacher driven and will embrace the ideas promoted by the Hawaiian culture.

National Science Foundation \$346,556

NSF-ECCS Grantees Conference. To Be Held in Honolulu, Hawaii, November, 17-19, 2010

Iskander, Magdy F. Hawaii Center for Advanced Communications

The 2010 NSF-ECCS Grantees Conference will be hosted by the Hawaii Center for Advanced Communications, to be held on November 17-19, 2010, at the Hilton Hawaiian Village, Honolulu, Hawaii. 150 participants will attend.

National Science Foundation \$769,711

Hawaii Noyce Teacher Scholarship (HINTS)

Barrett, Diane Chancellor, University of Hawaii at Hilo-UHH

Provide stipends and educational technology to 10 future mathematics secondary teachers while establishing a robust support structure of ongoing professional development and collaboration in mathematics education.

National Science Foundation \$22,625

Organizational Communication and Information Systems (OCIS) Doctoral Research Consortium

Davidson, Elizabeth J Department of Information Technology Management

PI organizes a consortium workshop for PhD students from U.S. institutions, conducted at annual meeting of Academy of Management in August, 2010 Montreal. Grant supports Ph.D. student travel to the consortium and other workshop expenses such as meals during workshop. Reimbursements processed from grant.

National Science Foundation \$649,957

IGERT: Integrative Training in Ecology, Conservation and Pathogen Biology

Wilcox, Bruce A Pacific Biosciences Research Center

A graduate training program for students interested in developing skills at the interface of ecology and emerging disease research.

### US Colleges and Universities

California San Francisco, University of \$50,816

Agreement between The Regents of the University of California and University of Hawaii

Niederhauser, Victoria School of Nursing and Dental Hygiene

The principal investigator for the subcontract will be the Curriculum and Clinical Coordinator for Hawaii-based students and will partner with UCSF to deliver a Neonatal Nurse Practitioner program to students living in California

# Gifts, Grants, and Contracts for July 2010

## Non-Research

### US Colleges and Universities

Jackson State University \$20,000

C-More Stars Internship Program

Bruno, Barbara

Department of Oceanography

This internship program aims at promoting diversity in the geosciences, particularly among Native Hawaiians, Pacific Islanders and other students from under-represented groups. The content focus is microbial oceanography. Students will be closely supervised by faculty mentors.

Utah State University \$50,000

Using Aquaponics with Renewable Energy Resources to Create Sustainable Food Systems while Reducing Nutrient, Energy, and Water Costs

Ako, Harry

Department of Molecular Biosciences and Bioengineering

The work (aquaponics) combines growing plants in water (hydroponics) using fish (aquaculture) water as nourishment. This work will research this further and extend this and renewable energy technologies to five farmers. What is learned will be captured in a best management practices brochure, video, and field day.

Western Washington University \$4,000

Student in Service (SIS)

Pascua, Atina T

Vice Chancellor for Academic Affairs

Provide opportunities for students to be involved in community service and service learning.

**Subcount:** 108

**Subtotal:** \$20,294,065

**Count:** 241

**Total:** \$51,001,910

## Funds Received from UH Foundation for 07/01/2010 - 07/31/2010

### Non-Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$22,500
"Asia-Pacific Economic Cooperation (APEC)"	
Greenwood, M.R.C.	President, University of Hawaii System
To support the President's and University's liason to the APEC Host Committee, which will be facilitating the 2011 APEC conference to be held in Honolulu, Hawaii.	
University of Hawaii Foundation	\$123,410
"Capturing the Momentum: P3 Initiative 2010"	
Housman, April	Ka Haka'Ula O Ke'Elilikani-UHH
University of Hawaii Foundation	\$10,000
"Sen Soshitsu Students'/Staff Support"	
Huey, Robert N	Center for Japanese Studies
To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.	
University of Hawaii Foundation	\$12,820
"ADRC S&F Agreement"	
Masaki, Kamal H	Department of Geriatric Medicine
Salary and Fringe Benefit Expenses for Alzheimer's Disease Referral Clinic (ADRC) Services.	
University of Hawaii Foundation	\$2,865
"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	\$3,257
"Brecht International Festival - Mahagonny Songspiel"	
Paxton, Laurence J	Department of Music
Funds will be used to pay wages, honoraria, stipends to music students who participated in the "Mahagonny Songspiel" for the "International Brecht Society Symposium" as musicians at community events for educational purposes.	
University of Hawaii Foundation	\$10,000
"Creating Leaders for the 21st Century"	
Sorensen, Christine	College of Education
Screen and select participants, provide stipends and training, as well as set up and monitor inter/external relationship experiences with established leaders in education, business, or non-profit organizations. Training will be provided	

## Funds Received from UH Foundation for 07/01/2010 - 07/31/2010

### Research

#### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$25,000  
"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 \$60,000  
"Philosophy for Children Research Associate"  
Jackson, Thomas E Department of Philosophy  
The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of  
a

**Count:** 9

**Total:** \$269,852

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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	7	\$1,154,228	3.76%
DHHS-Dept of Health and Human Services	19	\$12,040,842	39.21%
DOC-Dept of Commerce	7	\$1,589,530	5.18%
DOD-Department of Defense	3	\$800,671	2.61%
DOE-Dept of Energy	3	\$1,471,724	4.79%
DOI-Dept of Interior	9	\$590,440	1.92%
Federal Agencies	4	\$2,130,921	6.94%
Foreign	5	\$2,361,904	7.69%
Hawaii- Business and Other	2	\$32,500	0.11%
Hawaii- Government Agencies	16	\$1,995,598	6.50%
Hawaii- Non-Profit Organizations	9	\$451,355	1.47%
Mainland- Business and Other	5	\$340,226	1.11%
Mainland- Health Organizations	2	\$155,667	0.51%
Mainland- Non-Profit Organizations	8	\$190,794	0.62%
National Aeronautics and Space Administration	3	\$126,430	0.41%
National Science Foundation	17	\$3,787,415	12.33%
US Colleges and Universities	14	\$1,487,600	4.84%
<b>Total:</b>	<b><u>133</u></b>	<b><u>\$30,707,845</u></b>	<b><u>100%</u></b>

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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DHHS-Dept of Health and Human Services	9	\$2,159,674	10.64%
DOC-Dept of Commerce	5	\$142,332	0.70%
DOD-Department of Defense	2	\$29,165	0.14%
DOI-Dept of Interior	4	\$221,039	1.09%
ED-Dept of Education	17	\$7,086,267	34.92%
Federal Agencies	1	\$15,000	0.07%
Foreign	3	\$106,125	0.52%
Hawaii- Business and Other	16	\$1,847,352	9.10%
Hawaii- Dept of Education	1	\$45,634	0.22%
Hawaii- Government Agencies	14	\$2,293,501	11.30%
Hawaii- Health Organizations	2	\$830,439	4.09%
Hawaii- Non-Profit Organizations	11	\$410,123	2.02%
Mainland- Business and Other	1	\$125,000	0.62%
Mainland- Non-Profit Organizations	7	\$182,843	0.90%
National Science Foundation	11	\$4,674,755	23.04%
US Colleges and Universities	4	\$124,816	0.62%
<b>Total:</b>	<b><u>108</u></b>	<b><u>\$20,294,065</u></b>	<b><u>100%</u></b>

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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	7	\$1,112,943	3.64%
DHHS-Dept of Health and Human Services	19	\$12,040,842	39.37%
DOC-Dept of Commerce	7	\$1,589,530	5.20%
DOD-Department of Defense	3	\$800,671	2.62%
DOE-Dept of Energy	3	\$1,471,724	4.81%
DOI-Dept of Interior	9	\$590,440	1.93%
Federal Agencies	4	\$2,130,921	6.97%
Foreign	5	\$2,361,904	7.72%
Hawaii- Business and Other	2	\$32,500	0.11%
Hawaii- Government Agencies	16	\$1,995,598	6.52%
Hawaii- Non-Profit Organizations	9	\$451,355	1.48%
Mainland- Business and Other	5	\$259,596	0.85%
Mainland- Health Organizations	2	\$155,667	0.51%
Mainland- Non-Profit Organizations	8	\$190,794	0.62%
National Aeronautics and Space Administration	3	\$126,430	0.41%
National Science Foundation	17	\$3,787,415	12.38%
US Colleges and Universities	14	\$1,487,600	4.86%
<b>Total:</b>	<b><u>133</u></b>	<b><u>\$30,585,930</u></b>	<b><u>100%</u></b>

Note: YTD amounts include adjustments.



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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DHHS-Dept of Health and Human Services	9	\$2,159,674	10.80%
DOC-Dept of Commerce	5	\$142,332	0.71%
DOD-Department of Defense	2	\$29,165	0.15%
DOI-Dept of Interior	4	\$221,039	1.11%
ED-Dept of Education	17	\$7,085,367	35.43%
Federal Agencies	1	\$15,000	0.08%
Foreign	3	\$106,125	0.53%
Hawaii- Business and Other	16	\$1,847,352	9.24%
Hawaii- Dept of Education	1	\$45,634	0.23%
Hawaii- Government Agencies	14	\$2,114,776	10.58%
Hawaii- Health Organizations	2	\$830,439	4.15%
Hawaii- Non-Profit Organizations	11	\$410,123	2.05%
Mainland- Business and Other	1	\$7,107	0.04%
Mainland- Non-Profit Organizations	7	\$182,843	0.91%
National Science Foundation	11	\$4,674,755	23.38%
US Colleges and Universities	4	\$124,816	0.62%
<b>Total:</b>	<b><u>108</u></b>	<b><u>\$19,996,547</u></b>	<b><u>100%</u></b>

Note: YTD amounts include adjustments.