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
Accessing Cyanobacterial Chemical Diversity: A Unique Natural Product Library
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
Institute for Biogenesis Research: COBRE
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
Pseudoxanthoma elasticum: Elastic fibers alterations and characterization of serum factors
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
Parallel MRI for High Field Neuroimaging
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 have 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
Inflammation and Innate Immunity Genes and Colorectal Cancer Risk
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
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 Cancer Institute $697,264
Hawaii Minority-Based Community Clinical Oncology Program
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.
Gifts, Grants, and Contracts for July 2010

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 Neurologcl 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 Svcs, Dept/NIH - Natl Inst of Neurological Disorders & Stroke

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 Svcs, Dept/NIH - Natl Inst on Aging

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 Svcs, Dept/NIH - Natl Inst on Drug Abuse

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 Svcs, Dept/NIH - Natl Inst on Drug Abuse

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 Svcs, Dept/NIH - Natl Inst on Drug Abuse

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)

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 evolvement 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
  Project Support for Maui and Molokai Invasive Species Committee
  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
  Project Support for Oahu Invasive Species Committee
  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
  Project Support for Big Island Invasive Species Committee
  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
  Pagan Island Snail Surveys
  Hadfield, Michael G Pacific Biosciences Research Center
  The Dept. of Defense has contracted the US Fish and Wildlife Service's Pacific Islands Fish and Wildlife Office to conduct surveys on the island of Pagan and throughout the Mariana archipelago. The species Partula gibba, a candidate for listing under the Federal Endangered Species Act, is the focus of this project.

Interior, Dept - U.S. Geological Survey $18,532
  UHH Hawaiian Forest Database: Saipan Island
  Ziegler-Chong, Sharon College of Agriculture, Forestry-UHH

Interior, Dept - U.S. Geological Survey $10,976
  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
  Cooperative Monitoring and Assessment of Hawaii Volcano Hazards 2011
  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
  Determination of Large-Scale Hydrodynamics of DECOMP Physical Model with SF6 Tracer Release Experiments
  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
The National Center for Island, Maritime and Extreme Environment Security (CIMES)
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
Neurobehavioral Assessment of Interpersonal Functioning in PTSD
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
Neurobehavioral Assessment of Interpersonal Functioning in PTSD
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
Neurobehavioral Assessment of Interpersonal Functioning in PTSD
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.

GNS Science International Limited
Regional Partnerships for Climate Change Adaptation and Preparedness
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)
JAMSTEC Year 14
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)
IMI-120 Sonar Surveys for KORDI in the Eastern North Pacific Ocean
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 form 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
Vulnerable Deep-Sea Communities off New Zealand (DSCA103)
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
Studies of Predictability of the Intraseasonal Variability over the East Asian Monsoon System
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
Evidence Based Research for More Appropriate Public Health Nutrition Education
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
Koolau Mountains Watershed Partnership Coordination and Logistical Support
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
Biological and Sediment Monitoring Program with Supplemental Studies
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
Comprehensive Interactive Statistical Database for Kauai 2010
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
Social Epidemiology Project/Epidemiologic Research Relating to Public Health
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

Source Water Assessment Program (SWAP), Maintenance 2008-11
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

Evaluation for the Hawaii State Department of Health Nutrition Education Network (SNAP-Ed)
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

Program Evaluation for Juvenile Detention Alternatives Initiative, First Judicial Circuit, State of Hawaii
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

The Development of a Biocontrol Option for Alien Algae Control
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

Design, Development, and Implementation of a Survey of the Fisheries of West Maui with Emphasis on the Kahekili Herbivore Fisheries Management Area
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

Natural Area Reserves Management Oahu
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

Natural Area Reserves Management
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

Diet Composition of Maui Parrotbill and Availability of Arthropod Prey at Kahikinui, a Potential Site of Reintroduction
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,
Gifts, Grants, and Contracts for July 2010

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 |
| Natural Area Reserves Management | |
| 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 |
| Maui District Endangered Species Research | |
| 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 |
| Natural Area Reserves Management: Oahu | |
| 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 |
| Coordination and Planning of the Kauai Seabird Habitat Conservation Plan on Kaua`i, Hawai`i | |
| 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 |
| Endangered Maui Forest Bird Population Research and Management | |
| 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 |
| Analysis of MYCN Regulation by Chromosome Conformation Capture | |
| 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 |
| Synthesis and Biological Evaluation of the Anti-Renal Cancer Compound Englerin A | |
| 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.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hawaii Community Foundation (HCF)</td>
<td>$50,000</td>
</tr>
<tr>
<td>Development of a New Model Organism to Provide New Insight into Fundamental Mechanisms of Human Development and Disease</td>
<td></td>
</tr>
<tr>
<td>Martindale, Mark Q.</td>
<td>Pacific Biosciences Research Center</td>
</tr>
<tr>
<td>A local hemichordate worm is an ancient relative to chordates like fish and human beings. Our molecular work will</td>
<td></td>
</tr>
<tr>
<td>Hawaii Community Foundation (HCF)</td>
<td>$50,000</td>
</tr>
<tr>
<td>A Novel Model for Erasure of Traumatic Memories: Implications for Prevention of Post-Traumatic Stress Disorder</td>
<td></td>
</tr>
<tr>
<td>Todorovic, Cedomir</td>
<td>Department of Cell and Molecular Biology</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Hawaii Community Foundation (HCF)</td>
<td>$50,000</td>
</tr>
<tr>
<td>Inflammatory Cytokines in Box Jellyfish Envenomation</td>
<td></td>
</tr>
<tr>
<td>Yanagihara, Angel A</td>
<td>Pacific Biosciences Research Center</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Hawaii Community Foundation (HCF)</td>
<td>$49,982</td>
</tr>
<tr>
<td>Ras/ERK MAP Kinase Inhibitors from Marine Sources</td>
<td></td>
</tr>
<tr>
<td>Williams, Philip</td>
<td>Department of Chemistry</td>
</tr>
<tr>
<td>The discovery of anticancer agents from marine organisms.</td>
<td></td>
</tr>
<tr>
<td>Tri-Isle Resource Conservation &amp; Dev Council</td>
<td>$66,440</td>
</tr>
<tr>
<td>East Maui Watershed Protection</td>
<td></td>
</tr>
<tr>
<td>Morden, Clifford W</td>
<td>Department of Botany</td>
</tr>
<tr>
<td>Conduct applied conservation research and management to protect the native rainforests in East Maui's watershed.</td>
<td></td>
</tr>
<tr>
<td>University of Hawaii Foundation</td>
<td>$25,000</td>
</tr>
<tr>
<td>Cell and Molecular Biology Program</td>
<td></td>
</tr>
<tr>
<td>Humphreys, Tom D II</td>
<td>Pacific Biosciences Research Center</td>
</tr>
<tr>
<td>Study of development and regeneration of neural structures of Ptychodera Flava.</td>
<td></td>
</tr>
<tr>
<td>University of Hawaii Foundation</td>
<td>$60,000</td>
</tr>
<tr>
<td>Philosophy for Children Research Associate</td>
<td></td>
</tr>
<tr>
<td>Jackson, Thomas E</td>
<td>Department of Philosophy</td>
</tr>
<tr>
<td>The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of a proposed &quot;Philosopher in Residence&quot; initiative at two public schools in Hawaii.</td>
<td></td>
</tr>
</tbody>
</table>
## Gifts, Grants, and Contracts for July 2010

### Research

#### Mainland- Business and Other

<table>
<thead>
<tr>
<th>Organization</th>
<th>Project Title</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argonne National Laboratory</td>
<td>Anti-Neutrino Imaging Prototype Detector</td>
<td>$166,500</td>
</tr>
<tr>
<td>Smithsonian Astrophysical Observatory</td>
<td>The Distribution and Interactions of Luminous and Dark Matter in Strong-Lensing Clusters at z&gt;0.3</td>
<td>$66,166</td>
</tr>
<tr>
<td>Smithsonian Astrophysical Observatory</td>
<td>MACSJ0358.8-2955: Much More Distant and Exciting Than We Thought</td>
<td>$24,598</td>
</tr>
<tr>
<td>Space Telescope Science Institute</td>
<td>Cycle 17: Binary Brown Dwarfs and the L/T Transition</td>
<td>$6,125</td>
</tr>
<tr>
<td>Woods Hole Oceanographic Institution</td>
<td>Shoreline Evolution and Coastal Resiliency at Two Military Installations: Modeling of Hurricane Surge, Wave, and Overwash</td>
<td>$76,837</td>
</tr>
</tbody>
</table>

#### Mainland- Health Organizations

<table>
<thead>
<tr>
<th>Organization</th>
<th>Project Title</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children's Hospital Boston</td>
<td>Novel Influenza (H1N1) Surveillance Registry - Consortium Agreement with Children's Hospital Boston under NIH-NHLBI contract no. HHSN268200536179C</td>
<td>$9,000</td>
</tr>
<tr>
<td>Leukemia and Lymphoma Society</td>
<td>Mechanism of Anti-Cancer Drug Resistance to TLR Ligands</td>
<td>$146,667</td>
</tr>
</tbody>
</table>

*Learned, John G*  
Department of Physics and Astronomy

*Ebeling, Harald*  
Institute for Astronomy

*Liu, Michael C*  
Institute for Astronomy

*Cheung, Kwok Fai*  
Department of Ocean and Resources Engineering

*Chu, Wen-Ming*  
Cancer Research Center
Gifts, Grants, and Contracts for July 2010

Research

Mainland- Non-Profit Organizations

Bigelow Laboratory for Ocean Sciences

Collaborative Research: High Resolution Bacterial Mat Sampler for Operation with Deep Submergence Vehicles
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

IODP Expedition 327
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

Participation in the Up-Coming Integrated Ocean Drilling Program (IODP) Expedition #327
Coen, 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

Nutrient Uptake Dynamics of an Invasive and Native Vegetated Canopy
Thomas, Florence
Hawaii Institute of Marine Biology
Measure uptake of dissolved nutrients by 2 canopies - Avranvillea amadelpha and Helophila hawaiiana.

Nature Conservancy

Determining Natural and Anthropogenic Influences on Ocean Acidification Across Micronesia
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

Impact on the Fishery and Diet of Oio (bonefish, Albula spp.) in Maunalua Bay, Oahu, Associated with Alien Algae Removal
Okimoto, Darren K
Sea Grant College Program
To compile information on tagging studies and angler interviews for data analysis and reporting.

Planetary Science Institute

US Near-Earth Object Surveillance Satellite Science Team Support
Granvik, Mikael
Institute for Astronomy

University Corporation for Atmospheric Research

Ocean ROV Research Cruise
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
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.

$20,000

National Aeronautics & Space Administration
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.

$33,898

National Aeronautics & Space Administration
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.

$72,532

National Science Foundation

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.

$444,000

National Science Foundation
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.

$122,747

National Science Foundation
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.

$68,571

National Science Foundation
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.

$50,657
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  $83,984
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

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

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

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

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

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

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

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
Proposal for Post-Certification Activities at IMS Stations I39PW, Palau and I52GB, Diego Garcia (I39PW Palau)
Garces, Milton A Hawaii Institute of Geophysics and Planetology
Continued maintenance operation for Palau and Diego Garcia.

California San Diego, University of $324,111
Rapid Tests for Drug Resistance to Detect Extensively Resistant Tuberculosis
Douglas, James T Department of Microbiology
Genetic analysis of drug resistance in tuberculosis.

Dartmouth College $22,746
Visual Media Influences on Adolescent Smoking Behavior
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
Longitudinal Survey of Quality of Life and School for Military Children and Their Parents Stationed in Hawaii
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
Collaborative Research: MRI-R2 Instrument Development of the Askaryan Radio Array A Large-scale Radio Cherenkov Neutrino Detector at the South Pole
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
Alliance for Coastal Technology: NOAA Cooperative Agreement
Atkinson, Marlin J Hawaii Institute of Marine Biology
To work with data base on coastal technologies for monitoring.

Maryland, University of $325,000
Alliance for Coastal Technology - Hawaii Pacific Island Partner
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
Cannabinergic Ligands and Drugs
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
   Endocannabinoid Active Sites as Therapeutic Targets
   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
   Computational Analysis of Noninvasive Ventilation
   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
   Self-Control and Alcohol Problems: Psychological Mechanisms
   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
   A Multiethnic Genome Wide Scan of Prostate Cancer
   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
   Institute for Astronomy Support for the SDO/HMI Investigation
   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
   Pacific Institute of Nursing Research Conference
   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
Hawaii MCH Leadership Education in Neurodevelopmental and Related Disorders
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
Program for the Retention of Nursing Students (PRNs)
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
Implementation of a New Adult Health Clinical Nurse Specialist Program Using Electronic Distance Learning Technology
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
Online PhD Program for Rural Under served Communities
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
UH Multi-Campus Suicide Prevention Project
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
Cardiovascular Autonomic Function in HIV Virologic Failure
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
HIV DNA in CNS Compartments in Relation to HIV-Associated Neurocognitive Disorders
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

2010 IEEE International Conference on Wireless Information Technology Systems

Iskander, Magdy F. Hawaii Center for Advanced Communications


DOI-Dept of Interior

Interior, Dept - National Park Service

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

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

UH HIP Association with PIPES

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Interior, Dept - U.S. Geological Survey

Nene Habitat Use/Movement

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

ED-Dept of Education

Education, Dept - FED

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

Daniel, Shirley June Shidler College of Business

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

Education, Dept - FED

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

**Windward Community College Upward Bound Program**

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

**Windward Community college Educational Talent Search Program -Windward**

Oliveira, Judy  
Chancellor, Windward Community College

Education, Dept - FED

**State of Hawaii GEAR UP 84.334S**

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

**ACE for English Language Learner's Literacy: Professional Development Program**

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

**Students with Disabilities as Diverse Learners: Innovative Teaching Methods in Postsecondary Education**

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

**Hawaii Project for Children and Young Adults who are Deaf-Blind**

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

**Pacific Project for Children and Young Adults Who are Deaf-blind**

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

**Windward Community College Educational Talent Search Program - Honolulu**

Oliveira, Judy  
Chancellor, Windward Community College

**$250,000**

**$226,600**

**$2,204,400**

**$294,459**

**$347,426**

**$77,491**

**$92,000**

**$226,600**
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

ED-Dept of Education

Education, Dept - Ofc of Postsecondary Ed-FED
Kokua a Puni - Native Hawaiian Student Service Program
$317,156
Freitas, Antoinette L
Hawai‘inuiakoa School of Hawaiian Knowledge
Supplemental award for technology innovation activities related to three Kokua a Puni development grant activities

Federal Agencies

National Fdn on the Arts & Humanities-Natl Endow for the Arts
$15,000
Murray Louis' "Porcelain Dialogues" at University of Hawaii at Manoa
Fisher, Elizabeth
Department of Botany
To support restaging and performance of Murray Louis' Porcelain Dialogues (1974) for UHM dance students. This project will also include documentation, masterclasses, lectures, and lecture-demonstrations at community institutions.

Foreign

American Samoa, Govt of
Continuing Education for Veteran and Novice Childcare Providers
Johnson, Richard T
Institute for Teacher Education
$60,000
Provide continuing professional development for child care workers in American Samoa.

High Energy Accelerator Research Orgn (KEK)
JFY2010 US/Japan Program for Cooperation in High Energy Physics for the PID Detector
$10,971
Browder, Thomas E
Department of Physics and Astronomy
Design, fabrication and evaluation of electro-mechanical structures for assessing the performance of the imaging Time of Propagation (iTOP) prototype for upgrade of the Belle II barrel particle identification detector.

Saintsbury Institute for the Study of Japanese Arts and Cultures
Kokuten: Tsuchida Bakusen and the Modernization of Traditional Japanese Painting
$35,154
Szostak, John D
Department of Art and Art History
Research and produce a book manuscript on the activities of the Japanese artist Tsuchida Bakusen from approximately 1900 to 1930, focusing on efforts to modernize traditional styles of Japanese painting and reform Japan's national art exhibition system.

Hawaii- Business and Other

Bishop Museum
ECHO 8
Tseng, Rose
Chancellor, University of Hawaii at Hilo-UHH
$50,000
Develop and implement innovative education programs centered on the theme of exploration - navigation exploration via traditional Hawaiian canoes and modern voyages of exploration in space.
Non-Research

Hawaii- Business and Other

Damien Memorial School $195,390
University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program - Damien Memorial School 2010-2016
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
Subproject for Institution # 20062135
Okikawa, Noreen Vice President for Student Affairs

East West Center $35,915
Student Employment Agreement with EWC
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
Student Employment Agreement with EWC
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
Student Employment Agreement with EWC
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
Student Employment Agreement with EWC
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
Subproject for Institution # 20062135
Okikawa, Noreen Vice President for Student Affairs

East West Center $259,966
Subproject for Institution # 20062135
Okikawa, Noreen Vice President for Student Affairs
Gifts, Grants, and Contracts for July 2010

Non-Research

Hawaii- Business and Other

East West Center

Subproject for Institution # 20062135
Okikawa, Noreen  Vice President for Student Affairs

Healy Tibbits Builders, Inc.
Ocean Engineering Internship
Cheung, Kwok Fai  Department of Ocean and Resources Engineering
Internship program for graduate students in Ocean and Resources Engineering.

Kamehameha Schools

Kamehameha Schools and PIPES: UH-HIP and CRMIP Pilot 2010
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

Hookulaiwi: Aha Hoonaauao Oiwi
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

Keaukaha Community Resource Center
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

Urban Design Workshop - Redevelopment Scenarios Moiliili/University
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
Ocean Engineering Internship
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

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

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

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

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

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

Ohana Ho'oi kaika 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

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

Healthy Hawaii Institute 2009
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

Certified Nurse Aid Training & Support Services for Employment Program
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

Hawaii Health Data Warehouse
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

Adult Basic Education & Vocational Instruction
Umehira, Ronny T Chancellor, Leeward Community College
Adult basic education and vocational skills services for First-to-Work participants

Human Services, Dept - HI

Vocational Rehabilitation Needs Assessment
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

Partnership to Promote the Efficiency and Effectiveness of the State of Hawaii's Medicaid Program through the Oral Health Initiative - Task Order #5
Johnson, Nancy K Chancellor, University of Hawaii Maui College
UH Maui College Allied Health Department and ORai 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

Indigent Legal Assistance Fund (ILAF) - Legal Services for the Elderly
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
Capturing the Momentum: P3 Initiative 2010
Housman, April

University of Hawaii Foundation
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
Asia-Pacific Economic Cooperation (APEC)
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
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
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
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
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 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
Gifts, Grants, and Contracts for July 2010

Non-Research

Mainland- Non-Profit Organizations

Western States Arts Federation (WESTAF)  
Patrick Ball, Theatre of Legend  $2,500
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

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.

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.

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.

Organizational Communication and Information Systems (OCIS) Doctoral Research Consortium
Davidson, Elizabeth J Department of Information Technology Management
PI organizes a consortium workshop for Ph.D 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.

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

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**

<table>
<thead>
<tr>
<th>Institution</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jackson State University</td>
<td>$20,000</td>
</tr>
<tr>
<td><strong>C-More Stars Internship Program</strong></td>
<td></td>
</tr>
<tr>
<td>Bruno, Barbara</td>
<td></td>
</tr>
<tr>
<td>Department of Oceanography</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Utah State University</td>
<td>$50,000</td>
</tr>
<tr>
<td><strong>Using Aquaponics with Renewable Energy Resources to Create Sustainable Food Systems while Reducing Nutrient, Energy, and Water Costs</strong></td>
<td></td>
</tr>
<tr>
<td>Ako, Harry</td>
<td></td>
</tr>
<tr>
<td>Department of Molecular Biosciences and Bioengineering</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Western Washington University</td>
<td>$4,000</td>
</tr>
<tr>
<td><strong>Student in Service (SIS)</strong></td>
<td></td>
</tr>
<tr>
<td>Pascua, Atina T</td>
<td></td>
</tr>
<tr>
<td>Vice Chancellor for Academic Affairs</td>
<td></td>
</tr>
<tr>
<td>Provide opportunities for students to be involved in community service and service learning.</td>
<td></td>
</tr>
</tbody>
</table>

| 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'Elikolani-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 "Mahagonney 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**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Hawaii Foundation</td>
<td>$25,000</td>
</tr>
<tr>
<td>&quot;Cell and Molecular Biology Program&quot;</td>
<td></td>
</tr>
<tr>
<td>Humphreys, Tom D</td>
<td>Pacific Biosciences Research Center</td>
</tr>
<tr>
<td>Study of development and regeneration of neural structures of Ptychodera Flava.</td>
<td></td>
</tr>
<tr>
<td>University of Hawaii Foundation</td>
<td>$60,000</td>
</tr>
<tr>
<td>&quot;Philosophy for Children Research Associate&quot;</td>
<td></td>
</tr>
<tr>
<td>Jackson, Thomas E</td>
<td>Department of Philosophy</td>
</tr>
<tr>
<td>The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of</td>
<td></td>
</tr>
</tbody>
</table>

**Count:** 9  
**Total:** $269,852
Extramural Research Awards
for the Month of
July 2010
Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>7</td>
<td>$1,154,228</td>
<td>3.76%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>19</td>
<td>$12,040,842</td>
<td>39.21%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>7</td>
<td>$1,589,530</td>
<td>5.18%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>3</td>
<td>$800,671</td>
<td>2.61%</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>3</td>
<td>$1,471,724</td>
<td>4.79%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>9</td>
<td>$590,440</td>
<td>1.92%</td>
</tr>
<tr>
<td>Federal Agencies</td>
<td>4</td>
<td>$2,130,921</td>
<td>6.94%</td>
</tr>
<tr>
<td>Foreign</td>
<td>5</td>
<td>$2,361,904</td>
<td>7.69%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>2</td>
<td>$32,500</td>
<td>0.11%</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>16</td>
<td>$1,995,598</td>
<td>6.50%</td>
</tr>
<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>9</td>
<td>$451,355</td>
<td>1.47%</td>
</tr>
<tr>
<td>Mainland- Business and Other</td>
<td>5</td>
<td>$340,226</td>
<td>1.11%</td>
</tr>
<tr>
<td>Mainland- Health Organizations</td>
<td>2</td>
<td>$155,667</td>
<td>0.51%</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>8</td>
<td>$190,794</td>
<td>0.62%</td>
</tr>
<tr>
<td>National Aeronautics and Space Admin.</td>
<td>3</td>
<td>$126,430</td>
<td>0.41%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>17</td>
<td>$3,787,415</td>
<td>12.33%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>14</td>
<td>$1,487,600</td>
<td>4.84%</td>
</tr>
<tr>
<td>Total:</td>
<td>133</td>
<td>$30,707,845</td>
<td>100%</td>
</tr>
</tbody>
</table>
Extramural Non-Research Awards
for the Month of
July 2010
Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>9</td>
<td>$2,159,674</td>
<td>10.64%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>5</td>
<td>$142,332</td>
<td>0.70%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>2</td>
<td>$29,165</td>
<td>0.14%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>4</td>
<td>$221,039</td>
<td>1.09%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>17</td>
<td>$7,086,267</td>
<td>34.92%</td>
</tr>
<tr>
<td>Federal Agencies</td>
<td>1</td>
<td>$15,000</td>
<td>0.07%</td>
</tr>
<tr>
<td>Foreign</td>
<td>3</td>
<td>$106,125</td>
<td>0.52%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>16</td>
<td>$1,847,352</td>
<td>9.10%</td>
</tr>
<tr>
<td>Hawaii- Dept of Education</td>
<td>1</td>
<td>$45,634</td>
<td>0.22%</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>14</td>
<td>$2,293,501</td>
<td>11.30%</td>
</tr>
<tr>
<td>Hawaii- Health Organizations</td>
<td>2</td>
<td>$830,439</td>
<td>4.09%</td>
</tr>
<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>11</td>
<td>$410,123</td>
<td>2.02%</td>
</tr>
<tr>
<td>Mainland- Business and Other</td>
<td>1</td>
<td>$125,000</td>
<td>0.62%</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>7</td>
<td>$182,843</td>
<td>0.90%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>11</td>
<td>$4,674,755</td>
<td>23.04%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>4</td>
<td>$124,816</td>
<td>0.62%</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>108</strong></td>
<td><strong>$20,294,065</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Extramural Research Awards
Year to Date: 07/01/10 - 07/31/10
Distribution by Sponsors

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

Note: YTD amounts include adjustments.
Extramural Non-Research Awards
Year to Date: 07/01/10 - 07/31/10
Distribution by Sponsors

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

Note: YTD amounts include adjustments.