Gifts, Grants, and Contracts for January 2010

The following gifts, grants and contracts received by all campuses during the period January 1, 2010 through January 31, 2010 total $24,492,565. The unofficial year-to-date total is: $294,763,787.

Research

**DA-Dept of Agriculture**

Agriculture, Dept - Coop State Rsch, Ed, & Ext Svc (CSREES)-FED  $43,679
Pilot and Feasibility Studies for Long-Term Consumption of Anti-Diabetic Vegetable Momordica Charantia (Bitter Melon)
Nerurkar, Pratibha V  Department of Molecular Biosciences and Bioengineering
The project investigates the anti-obesity effects of Ayurvedic medicine, Momordica charantia, commonly known as bitter melon.

Agriculture, Dept - FED  $83,411
Environmental Effects of Tephritid Fruit Fly Control and Eradication
Hu, Ching Yuan  College of Tropical Agriculture and Human Resources
The approach of this project is to address the development and evaluation of currently acceptable or novel new non-toxic fruit fly control strategies such as classical biological controls, post-harvest treatment, microbial control agents.

Agriculture, Dept - FED  $150,000
Cooperative Synthesis of Cellulosomes by an Engineered Yeast Consortium to Improve Lignocellulose Bioconversion
Su, Wei-Wen Winston  Department of Molecular Biosciences and Bioengineering
Develop yeasts that express synthetic cellulosomes to improve bioconversion of lignocellulose.

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

Health & Human Svc, Dept - Ctrs for Disease Ctrl & Prvtn (CDC)  $199,992
Evaluation of genital self-sampling for HPV detection in males
Hernandez, Brenda Y  Cancer Research Center
Six-hundred males in Hawaii aged 14-59 will be randomized into one of four groups, each using a different method of genital sampling. For each method, specimens will be collected by the study participant and the clinician. The primary objective is to evaluate the acceptability, feasibility, and validity of self-sampling methods.

Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst  $355,567
Anti-inflammatory Cytokines in Atherosclerosis
Boisvert, William  John A. Burns School of Medicine
The aims of this grant are to understand how anti-inflammatory cytokines such as IL4 and IL10 affect the atherogenic process. Both systemic as well as local effects of the cytokines will be assessed using in vitro and in vivo animal models.

Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst  $742,796
University of Hawaii Research Scientist Award in Molecular Cardiology
Shohet, Ralph Victor  Department of Medicine
Phase II (years 3-7) will establish a research and education program with the recruited scientist as principal investigator.

Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis  $646,995
Global HIV Drug Therapies and Mitochondrial Complications and Mechanisms
Gerschenson, Mariana  John A. Burns School of Medicine
39 million people are living with HIV and when they are treated with drugs like d4T or ZDV this can cause side-effects like fat loss that we are trying to understand and prevent.
Gifts, Grants, and Contracts for January 2010

Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Inst of Child Hlth & Human Dev $728,984
National Children's Study University of Hawaii Study Center - Honolulu County
Miliar, Lynnae K
Department of Obstetrics, Gynecology, and Women's Health
Our objective is to be part of the National Children's Study (NCS) and contribute to the planned cohort study examining the effects of environmental influences on the health and development of approximately 100,000 children.

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) $1,965,000
Sea Grant College Program Institutional Program
Grau, E Gordon
Sea Grant College Program
To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.

DOD-Department of Defense

Defense, Dept - Air Force $23,000
Operations and Management of the Maui High Performance Computing Center
Lassner, David K
Information Technology Services
Cost reimbursement award term contract for research development, operations and management of the Maui High Performance Computing Center.

Defense, Dept - Air Force $40,000
Operations and Management of the Maui High Performance Computing Center
Lassner, David K
Information Technology Services
Cost reimbursement award term contract for research development, operations and management of the Maui High Performance Computing Center.

Defense, Dept - Air Force Space & Missile Syst Ctr $158,340
LEONIDAS: Low-Earth Orbit Nanosat-Integrated Defense Autonomous Systems
Flynn, Luke Paul
Hawaii Institute of Geophysics and Planetology
The LEONIDAS project will design, build, test, launch, and operate small spacecraft in low-Earth orbit.

Defense, Dept - Dep Under Secy of Defense $1,970,000
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 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 - Navy $149,996
Response of Marine Vehicles Advancing in a Seaway and in the Surf Zone
Cheung, Kwok Fai
Department of Ocean and Resources Engineering
Develop a hydroelasticity model for marine vehicles advancing in a seaway and a CFD toolbox to model dynamic response of marine vehicles in the surf zone.
Gifts, Grants, and Contracts for January 2010

Research

DOD-Department of Defense

Defense, Dept - Navy

Analysis and High-Resolution Modeling of Tropical Cyclogenesis during the TCS-08 and TPARC Field Campaign

Li, Tim

Department of Meteorology

To assimilate the in-situ observations using NAVDAS and 4DVar, and to investigate 3D moisture, temperature and wind structure and evolution characteristics prior to and during TC formation, and to conduct COAMPS high-resolution cyclogenesis forecasts using the data assimilation product.

Defense, Dept - Office of Naval Research

Multiple Approaches for Testing Novel Coatings in the Laboratory and in Pearl Harbor, Hawaii. Investigations at the Microbial and Macrotouler Levels

Hadfield, Michael G

Pacific Biosciences Research Center

Testing of fouling organisms on experimental marine coatings.

Defense, Dept - Office of Naval Research

Quasi-Ceramic Silicone Conversion Coating for Corrosion Protection of Aluminum Alloys

Hihara, Lloyd H

Department of Mechanical Engineering

Quasi-ceramic silicone coatings will be synthesized and examined for corrosion protection of aluminum alloys.

Defense, Dept - Office of Naval Research

Passive Acoustic Tracking of Minke Whales

Nosal, Eva-Marie

Department of Ocean and Resources Engineering

This project will develop and apply methods to track minke whales using acoustic data recorded at the Pacific Missile Range Facility.

Defense, Dept - Office of Naval Research

Utilizing Pro-bono Commercial Assets for Marine Mammal Surveys in High Naval Activity Area in Hawaiian Waters

Au, Whitlow W L

Hawaii Institute of Marine Biology

Attach hydrophone listening devices to at least one Young Brother’s inter-island barge to survey for whales and dolphins in waters between Oahu-Hawaii and Oahu-Kauai.

Defense, Dept - Office of Naval Research

Enhanced Tactical Fuel Design: Fundamental Combustion Studies of Boron Nanoparticle Multi-component Fuel

Masutani, Stephen M

Hawaii Natural Energy Institute

Investigation of the combustion characteristics of a slurry comprising a mixture of a liquid fuel and coated boron nanoparticles to enhance energy content.

Defense, Dept - Office of Naval Research

Enhanced Tactical Fuel Design: Fundamental Combustion Studies of Boron Nanoparticle Multi-component Fuel

Masutani, Stephen M

Hawaii Natural Energy Institute

Investigation of the combustion characteristics of a slurry comprising a mixture of a liquid fuel and coated boron nanoparticles to enhance energy content.
Gifts, Grants, and Contracts for January 2010

Research

DOD-Department of Defense

Defense, Dept - Office of Naval Research $120,000

Long-Range Lightning Detection over the Western Pacific Ocean
Businger, Steven Department of Meteorology
The goals of this proposal are: (I) to expand PacNet long-range lightning detection coverage to the Western Pacific Ocean, (ii) to calibrate the extended network (Cummins 2006), (iii) establish relationships between lightning rates and rainfall rates, (iv) investigate the morphology of lightning in storms systems, and (v) assimilate the data into numerical models.

Defense, Dept - Office of Naval Research $59,957

Long-Range Lightning Detection over the Western Pacific Ocean
Businger, Steven Department of Meteorology
The goals of this proposal are: (I) to expand PacNet long-range lightning detection coverage to the Western Pacific Ocean, (ii) to calibrate the extended network (Cummins 2006), (iii) establish relationships between lightning rates and rainfall rates, (iv) investigate the morphology of lightning in storms systems, and (v) assimilate the data into numerical models.

Defense, Dept - Office of Naval Research $3,914

Collaborative Proposal to Extend ONR YIP Research with BRC Efforts
Powell, Brian Department of Oceanography
ONR Basic Research Challenge to extend my current research into the factors that control the predictability in ocean modeling. Focus will be on the collaboration of my research with other scientists.

Defense, Dept - Office of Naval Research $150,000

Radar Remote Sensing of the Mesoscale Flow Through Straits of the Philippines Archipelago
Flament, Pierre J Department of Oceanography
Deployment of high frequency radars to measure surface currents in the straits of the Philippines as part of a large coordinated ONR experiment.

Defense, Dept - Office of Naval Research $74,567

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

Defense, Dept - Office of Naval Research $35,557

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.

DOI-Dept of Interior

Interior, Dept - National Park Service $20,000

Hawaiian Soldiering: Indigenous Traditions of Warriorhood
Tengan, Ty P Kawika Ethnic Studies Department
Archival and oral history research will focus on Native Hawaiian service in the United States military between 1900 - present, especially during World War II, and the experienced of Native Hawaiian civilians with the military and
Gifts, Grants, and Contracts for January 2010

Research

DOI-Dept of Interior

Interior, Dept - U.S. Geological Survey  
HCSU Unit Support & General Activities 2009  
Ziegler-Chong, Sharon  
Pacific Aquaculture-UHH  
Support research programs of the USGS BRD PIERC related to the ecological, environmental and sociocultural management of natural and cultural areas and other components of DOI agencies  

Interior, Dept - U.S. Geological Survey  
Northwestern Hawaiian Islands Climate Change: Predicting Risks of Island Extinctions Due to Sea Level Rise  
Ziegler-Chong, Sharon  
Pacific Aquaculture-UHH  
Use sea level rise models for the Northwestern Hawaiian Islands to evaluate the impacts to US Pacific Island wildlife and develop multidimensional decision tools

ED-Dept of Education

Education, Dept - Institute of Education Sciences-FED  
Hawaii Model Demonstration Project on Tiered Approaches to Improve the Writing Proficiency, Application, and Transfer Skills of 9th Grade Students  
Stodden, Robert  
Center on Disability Studies  
The purpose of the Hawaii project is to rigorously conduct a Model Demonstration of tiered approach toward improving writing proficiency, application, and transfer skills of ninth grade students who have writing difficulties, including those at risk for and with learning disabilities.

Foreign

Korea Ocean Research & Development Inst (KORDI)  
IMI-120 Sonar Surveys for KORDI in the Lau Basin, South Pacific Ocean  
Rognstad, Mark  
Hawaii Institute of Geophysics and Planetology  
HMRG will conduct surveys in the Lau Basin, near Fiji, using the 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 January-February 2010 on the German research vessel Sonne, from New Zealand to Fiji.

Society for Testing English Proficiency  
Research Proposal: Upper-Level Eiken Examinations: Linking, Validating, and Predicting TOEFL iBT Scores  
Brown, James Dean  
Department of Second Language Studies  
This project will administer four levels of Eiken tests (currently separate tests) to international-student volunteers at UHM in order to: Create one scoring scale across the Eiken levels; examine the relationship between this new scale and TOEFL scores (required for UHM admission); and investigate the validity.

U.S. - Israel Binational Science Fdn  
Collaborative Research: Phylogeny of the Octocorals (phylum Cnidaria), Family Xeniidae: Application of Molecular and Morphology Based Approaches  
Toonen, Robert  
Hawaii Institute of Marine Biology  
We propose to collaborate using DNA and traditional taxonomic methods to resolve the systematics of this enigmatic but important coral group and produce a field guide for them.
Gifts, Grants, and Contracts for January 2010

Research

Hawaii- Business and Other

East West Center

National Transfers Account

Lee, Sang-Hyop

Department of Economics

Evaluate National Transfer Accounts (NTA) that have been constructed for Taiwan, update and maintain National Transfer Account database, and develop tools for constructing reports using the NTA database.

Pukoa Scientific LLC

Enhanced Advanced Intelligent Reconnaissance System

Sanyal, Amit

Department of Mechanical Engineering

The technical objectives of the proposed research are: (1) to incorporate measurements from sensors placed on an unmanned aerial vehicle to generate estimates of motion; (2) to demonstrate the accuracy of these estimates numerically and analytically; to demonstrate that the estimator is robust to (3) initialization errors and measurement errors and (4) loss of global positioning system signals

Research Corporation, University of Hawaii

A Proposal to the Papahanaumokuakea Marine National Monument for an Investigation of the Commonest Crustose Coralline Algae (CCA) in the Hawaiian Islands

Abbott, Isabella A

Department of Botany

The purpose of this work is to collect, identify and present in a booklet, the most common Hawaiian calcified read algae (seaweeds) that can be used to indicate chemical and/or physical changes in the ocean due to disturbance and/or climate changes.

Hawaii- Government Agencies

Health, Dept - HI

State Prevention Framework State Incentive Grant Evaluation

Yuen, Sylvia H L

Center on the Family

Conduct evaluation of key processes and outcomes of the Hawaii State Prevention Framework State Incentive Grant Project (SPF-SIG) at the state, community, and program levels.

Land & Natural Res, Dept - Div of Aquatic Resources-HI

Fish and Habitat Monitoring and Assessment

Duffy, David C

Department of Botany

Monitor and assess marine ecosystems by collecting and compiling data on fish communities, mobile invertebrates, reef benthos, and water temperature and turbidity around Hawaii islands.

Land & Natural Res, Dept - Div of Forestry & Wildlife-HI

Detection and Control of Invasive Species on the Island of Kauai

Duffy, David C

Department of Botany

Control and eradicate invasive species on Kauai, with an emphasis on early detection and rapid response.

Land & Natural Res, Dept - Div of Forestry & Wildlife-HI

Detection and Control of Invasive Species in Maui County

Duffy, David C

Department of Botany

Implement a county-wide strategy for early detection and control of invasive species in Maui county.
Gifts, Grants, and Contracts for January 2010

Research

Hawaii- Government Agencies

**Land & Natural Res, Dept - Div of Forestry & Wildlife-HI**  
$15,000  
*Coordinate and Normalize Statewide Plant Extinction Prevention Program Data*  
Kaneshiro, Kenneth Y  
Pacific Biosciences Research Center  
Expansion of the existing Plant Extinction Plant Program information systems is the primary data set of focus.

**Land & Natural Res, Dept - Div of Forestry & Wildlife-HI**  
$30,275  
*Forestry and Watershed Planner*  
Morden, Clifford W  
Department of Botany  
Conduct research and development for forest and watershed management plans for Maui and Kauai, working closely with planners on those islands.

**Land & Natural Res, Dept - HI**  
$90,000  
*Detection and Control of Invasive Species on Oahu*  
Duffy, David C  
Department of Botany  
Implement invasive species control strategies on Oahu.

**Land & Natural Res, Dept - HI**  
$22,500  
*Lanaihale Forest and Watershed Project (ARRA)*  
Duffy, David C  
Department of Botany  
Conduct integrated pest management strategy on Lanaihale to protect native habitats from invasive plants.

**Land & Natural Res, Dept - HI**  
$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**  
$81,965  
*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**  
$60,000  
*Plant Restoration and Enhancement, Rare Plant Facilities EPRE 10 (Pahole)*  
Sugii, Nellie C  
Lyon Arboretum  
Conservation of rare plants on Oahu, by using genetic management, propagation, seed storage and species restoration to increase and stabilize populations.

**Land & Natural Res, Dept - HI**  
$75,000  
*Landowner Assistance Program for Endangered Species Protection*  
Duffy, David C  
Department of Botany  
Provide conservation expertise to landowners on all aspects of assistance programs for endangered species protection, and assist in development of plans and agreements.
Gifts, Grants, and Contracts for January 2010

Research

Hawaii- Health Organizations

Kaiser Permanente - HI $65,904
Hawaii Family DASH
Nigg, Claudio R Office of Public Health Studies
This is a subcontract for the physical activity intervention and assessment portion and the data analysis for a project addressing childhood obesity through the physician and at home.

Kaiser Permanente - HI $56,055
Hawaii Family DASH
Nigg, Claudio R Office of Public Health Studies
This is a subcontract for the physical activity intervention and assessment portion and the data analysis for a project addressing childhood obesity through the physician and at home.

Kaiser Permanente - HI $1,471
Hawaii Family DASH
Nigg, Claudio R Office of Public Health Studies
This is a subcontract for the physical activity intervention and assessment portion and the data analysis for a project addressing childhood obesity through the physician and at home.

Kuakini Medical Center $76,465
Epidemiology of Aging and Dementia Autopsy Research (ARRA - Competitive Revision)
Uyehara-Lock, Jane H Department of Pathology
To provide pathology services and analysis of autopsy results as part of the on-going Honolulu Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.

Queen's Medical Center $15,000
Memorandum of Understanding Between the QMC and UHM SONDH
Mark, Debra D Department of Nursing
The purpose of the Cooperative Research Partnership between The Queen's Medical Center, Queen Emma Nursing Institute (QMC-QENI) and the University of Hawai‘i School of Nursing and Dental Hygiene (UHM-SONDH) is to support collaborative development of nursing science and translational research in clinical practice and health policy.

Hawaii- Non-Profit Organizations

HCF-Straub (George F) Trust Estate $50,000
The Anti-Apoptotic Role of Pre-B Cell Colony-Enhancing Factor (PBEF/Visfatin) in the Fetal Membranes
Wright, Claire E Department of Obstetrics, Gynecology, and Women's Health
Preterm premature rupture of the fetal membranes is a leading cause of preterm birth. Pre-B cell colony-enhancing factor protects cells from death, however the mechanism is unknown. IN this proposal we aim to study its ability to protect cells of the fetal membranes and demonstrate how it does this.

Hawaii Crop Improvement Association $43,780
Biology of Maize Chlorotic Mottle Virus in Hawaii: Identification of Insect Vectors, Transmission Mode, Vector Seasonability and Alternative Host Plants
Bressan, Alberto Department of Art and Art History
This proposal addresses key questions that will facilitate the development of accurate management practices against the MCMV and its vectors and quantify the risk of viral infections in corn fields.
Gifts, Grants, and Contracts for January 2010

Research

Hawaii- Non-Profit Organizations

Learning Disabilities Assn of Hawaii (LDAH) $30,000
  LDAH Preschool Screening Project
  Johnson, Jean Lee  Center on Disability Studies
  Analyze data provided by the LDAH Project "Ekolu Eha Ike Pono" to assess short-term outcomes and project outcomes, which shall include the following measurement indicators.

Tri-Isle Resource Conservation & Dev Council $150,000
  Maui Invasive Species Committee Coqui Frog Project: FY 10
  Duffy, David C  Department of Botany
  Develop and implement long-term detection and control strategy for coqui frogs on Maui.

University of Hawaii Foundation $5,000
  Fairmont Orchid Reef Monitoring
  Adolf, Jason  Natural Sciences-UHH
  Monitor nutrient levels in anchialine ponds and adjacent coastal areas in order to better understand the impact of nutrients delivered by groundwater on the coastal ecosystem.

University of Hawaii Foundation $7,027
  Magnetic Levitation System Development
  Berkelman, Peter John  Department of Mechanical Engineering
  To continue support for research related to Magnetic Levitation.

University of Hawaii Foundation $16,590
  Therapeutic LOX Inhibitors
  Csiszar, Katalin  Department of Complementary and Alternative Medicine
  Testing and development of LOX inhibitors for therapeutic use.

World Turtle Trust $58,200
  Hawaii Island Hawksbill Turtle Recovery Project
  Duffy, David C  Department of Botany
  Manage and protect the endangered Hawksbill sea turtle by projecting and restoring its nesting habitat on the Big Island.

Mainland- Business and Other

Adama Materials, Inc. $80,000
  Development of High-Performance Nanomaterials, Nanoresins, Nanoprepregs, and Nanocomposites
  Nejhad, Mehrdad G  Department of Mechanical Engineering
  In this project, we will development high-performance nanomaterials, nanoresins, nanoprepregs, and nanocomposites

Adama Materials, Inc. $30,000
  Development of High-Performance Nanofores Prepreg-based Nanocomposites for Structural Applications
  Nejhad, Mehrdad G  Department of Mechanical Engineering
  We will develop high-performance nanofores prepreg-based nanocomposites for structural applications
Gifts, Grants, and Contracts for January 2010

Research

Mainland - Business and Other

Booz, Allen & Hamilton Inc
caBIG\textregistered Enterprise Phase
Wilkens, Lynne R Cancer Research Center
The applicant will participate in projects of the Vocabulary and Common Data Elements Workspace of NCI's caBIG\textregistered project, an informatics initiative aimed at standard infrastructure for data sharing. Specific tasks will include review of software applications for compatibility and development and dissemination of information on common data element standards.

Cellana LLC

Biochemical Characterization of Marine Microalgae for Optimal Biomass and Lipid Production
Bidigare, Robert R Hawaii Institute of Marine Biology
Isolation and identification of novel microalgae aimed at enhancing lipid content

Cellana LLC

High Throughput Screening (HTS) of Algal Strains for Optimal Biomass and Lipid Production
Brown, Susan L. Department of Oceanography
High Throughput Screening of preselected algal strains for commercial lipid production

Cellana LLC

Biochemical Characterization of Marine Microalgae for Optimal Biomass and Lipid Production
Bidigare, Robert R Hawaii Institute of Marine Biology
Isolation and identification of novel microalgae aimed at enhancing lipid content

Cellana LLC

High Throughput Screening (HTS) of Algal Strains for Optimal Biomass and Lipid Production
Brown, Susan L. Department of Oceanography
High Throughput Screening of preselected algal strains for commercial lipid production

First Solar, Incorporated
First Solar Advanced Technologies Project
Miller, Eric L Hawaii Natural Energy Institute
The Hawaii Natural Energy Institute at the University of Hawaii at Manoa will provide professional services to support First Solar Advanced Technologies in the performance of its efforts to execute research into copper-indium-gallium-diselenide deposition and resulting photovoltaic devices.

GlaxoSmithKline

A Randomized, Open-Label, Active-Controlled, Parallel-Group, Multicenter Study to Determine the Safety and Efficacy of Albiglutide
Araakaki, Richard F Department of Medicine
This is a 60-64 week study that will evaluate the safety and efficacy of a weekly subcutaneous injected dose of Albiglutide in patients with Type 2 Diabetes Mellitus taking insulin glargine as compared to patients on before meal
Gifts, Grants, and Contracts for January 2010

Research

Mainland- Business and Other

Lockheed Martin Corporation Space Systems $292
Automated Marine Mammal Detection and Classification on Navy Ranges
Au, Whitlow W L Hawaii Institute of Marine Biology
Create software to automate dolphin identification on the PMRF hydrophone range.

Sound and Sea Technology, Inc. $30,800
OTEC Site Assessment and Survey for Sound and Sea, Inc.
Ericksen, Todd L. Hawaii Institute of Geophysics and Planetology
Conduct oceanographic and seafloor surveys of potential sites for Ocean Thermal Energy Conversion (OTEC) deployment for US Navy, as subcontracts to Sound and Sea, Inc.

Space Telescope Science Institute $41,344
Near Infrared Observations of a Sample of Z~6.5-6.7 Galaxies
Hu, Esther M Institute for Astronomy
The most distant galaxies are optical Lyman alpha emitters. Accurate estimate of their star formation rates requires measuring the rest-frame ultraviolet continuum at infrared wavelengths. We will use NICMOS infrared images of 9 Lyman alpha galaxies to investigate morphologies and star formation in the highest redshift galaxies known.

Vaisala Inc. $40,000
Vaisala Data Implementation and Integration
Businger, Steven Department of Meteorology
This contract between UH and Vaisala provides funding for a post-doctoral stipend for Dr. Antti Pessi for one year at 50% time. During this year Antti will provide assistance to Vaisala's (the Company) Development Center for Meteorology (DCM) in data implementation and integration.

Woods Hole Oceanographic Institution $3,460
Shoreline Evolution and Coastal Resiliency at Two Military Installations: Modeling of Hurricane Surge, Wave, and Overwash
Cheung, Kwok Fai Department of Ocean and Resources Engineering
Perform hurricane surge, wave, and overwash modeling in support of a study on shoreline evolution and coastal resiliency at Eglin Air Force Base, Florida and Camp Lejeune, North Carolina.

Mainland- Health Organizations

Nebraska Medical Center, University of $129,260
Battlefield Airway Management for Wounded Warriors
Berg, Benjamin W John A. Burns School of Medicine
Provide subject matter expertise and management counseling.
Gifts, Grants, and Contracts for January 2010

Research

Mainland- Non-Profit Organizations

Mesothelioma Applied Research Foundation, Inc. $50,000

Studies of Tumor Necrosis Factor Alpha as a New Target for Human Malignant Mesothelioma Preventive and Therapeutic Strategy

Yang, Haining Cancer Research Center

Tumor necrosis factor alpha (TNF-alpha) plays a critical role in the mechanisms of asbestos-induced malignant mesothelioma (MM). We propose to further study the function of TNF-alpha in MM development and in tumor progression, which will lead to the development of novel preventive and therapeutic strategies.

Miscellaneous

Smithsonian Tropical Research Institute - Center for Tropical Forest Science $11,750

Seed Rain and Seedling Recruitment in Hawaii

Ostertag, Rebecca Natural Sciences-UHH

Measure seed rain and re-census seedling subplots to measure establishment, growth, and survival of seedlings.

National Aeronautics and Space Administration

National Aeronautics & Space Administration $50,000

ANITA: Antarctic Impulsive Transient Antenna

Gorham, Peter W Department of Physics and Astronomy

To fly a long duration balloon mission to address the question of the nature and origin of the highest energy cosmic rays, and the ultimate limits of energy in the universe.

National Aeronautics & Space Administration $120,000

A NEO Search Program Using the Pan-STARRS PS1 Telescope

Jedicke, Robert Institute for Astronomy

Support of the PS1 Telescope operation and MOPS project on Haleakala for the NASA Near Earth Object Search Program.

National Aeronautics & Space Administration $2,500,000

The NASA Infrared Telescope Facility: Mission Support and Solar System Observations

Tokunaga, Alan Institute for Astronomy

We propose to provide NASA with observations and research data aimed at providing support of spacecraft missions and basic research in support of the Planetary Astronomy program.

National Aeronautics & Space Administration $73,194

Characterization of Hg:Cd:Te Avalanche Photo Diode Arrays: a Path to an Infrared Photon Counting Array

Hall, Donald N Institute for Astronomy

The objective of this proposed research is to completely bypass the voltage read noise in conventional charge integrating arrays by demonstrating noiseless infrared photon counting detector arrays limited only by natural background. We propose to demonstrate this for the near infrared utilizing existing, space qualified components.

National Aeronautics & Space Administration $77,317

Detecting Dark Energy from WMAP and Pan-STARRS1

Szapudi, Istvan Institute for Astronomy

We propose to detect the Integrated Scabs-Wolf (ISW) effect in the WMAP (Wilkinson Microwave Anisotropy Probe) CMB (Cosmic Microwave Background maps using the one year Pan-STARRS1 (PS1) photometric LRG (Sloan Luminous Red Galaxies) sample.
Gifts, Grants, and Contracts for January 2010

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration
Lunar Analog Field Demonstration 2010
Schowengerdt, Franklin
Natural Sciences-UHH
Provide logistics and support for the ISRU (In-Situ Resource Utilization) field test

National Aeronautics & Space Administration
Using the Ion Microprobe to Determine the Abundances and Isotopic Composition of Solar Wind Elements in the Genesis Collectors
Huss, Gary Robert
Hawaii Institute of Geophysics and Planetology
I propose to study the solar wind collected by NASA's Genesis Mission by using the Cameca ims 1280 ion microprobe to measure the solar wind profiles in the Genesis collectors.

National Aeronautics & Space Administration
Nature of Oxygen Isotopic Exchange in Refactory Inclusions
Krot, Alexander N
Hawaii Institute of Geophysics and Planetology
Studies isotopic composition of materials.

National Aeronautics & Space Administration
Measurement and Analysis of Aerosol Physio-chemistry and Optical Properties in Support of ARCTAS
Clarke, Antony D
Department of Oceanography
To support NASA's mission objectives on board the proposed aircraft P-3b, primarily airborne instrumentation.

National Science Foundation

National Science Foundation
Doctoral Dissertation Research: Simulation in Sentence Production
Schafer, Amy J
Department of Linguistics
This research examines whether, in addition to the speaker's intended message, nonlinguistic factors (e.g., motor activities) may influence the speech outcome.

National Science Foundation
REV SYS: A Revision of New World Ampullariidae: An Emerging Model System in Evolutionary Biology and Systematics Training
Cowie, Robert H
Pacific Biosciences Research Center
To produce a revision of the taxonomy and systematics of the New World members of the freshwater snail family Ampullariidae, while training undergraduates, graduate students and a postdoctoral researcher in all aspects of systematics research.

National Science Foundation
Molecular Functions of Protein Disulfide Isomerases in Redox-Metabolism and Protein Folding Pathways in Plants
Christopher, David A
Department of Molecular Biosciences and Bioengineering
This research will identify how the protein disulfide isomerase enzyme family controls leaf aging and seed development in plants. These processes are critical for agricultural productivity. Graduate and numerous undergraduate students will be trained in modern methods of molecular biology.
Gifts, Grants, and Contracts for January 2010

Research

National Science Foundation

Collaborative Research: Hawaiian Plume Heterogeneity Revealed by Kilauea's Ongoing Eruption, Prehistoric Lavas and Olivine-hosted Melt Inclusions
Garcia, Michael O
Department of Geology and Geophysics
To investigate the petrology of Kilauea Volcano's new summit eruption, which has complicated our original hypothesis and work plan. Additional petrologic and geochemical analyses of tephra from the summit eruption will be done to compare these results with similar analyses of contemporaneous Puu Oo lavas.

Study of Processes Leading to Tropical Cyclone Structure and Intensity Changes
Wang, Yuqing
Department of Meteorology
Comprehensive study on processes that can lead to considerable tropical cyclone structure and intensity changes with idealized numerical experiments and diagnostic analysis.

Collaborative Research: The Internal Tide and Mixing in Monterey and Ascension Canyons
Carter, Glenn S
Department of Oceanography
A collaborative proposal between UH and APL/UW to model and conduct intensive observations in Monterey Canyon, CA and nearby Ascension Canyon. The focus is on how internal tides propagate in canyons and are steered and focused by the topography.

The Ergodic Theory of Nonamenable Group Actions
Bowen, Lewis P
Department of Mathematics
This project consists of research intended to advance the ergodic theory of nonamenable group actions by utilizing a new entropy theory developed by the Principal Investigator.

US Colleges and Universities

Alabama Huntsville, University of
Incremental Learning Methods for Energy Estimates of Production Facilities and Natural Events
Wright, Robert
Hawaii Institute of Geophysics and Planetology
Using infrared satellite data to detect and monitor the heat signatures of gas flares, oil refineries, and natural heat sources (volcanoes, wildfires).

California Davis, University of
Phytotoxicity to Ornamental Horticulture Plants from BYI-8330 (Spirotetramat)
Hara, Arnold H
Department of Plant and Environmental Protection Sciences
The overall objective of this project is to test a systemic insecticide, spirotetramat for phytotoxicity to tropical plants.

Asian American Network for Cancer Awareness Research & Training: Hawaii AANCART
Agbayani, Amy
Student Equity, Excellence, and Diversity
Address cancer outcome disparities in the Filipino American people of Hawaii through promoting cancer awareness, conducting research to address these disparities, and training researchers and workers to address these disparities.
Gifts, Grants, and Contracts for January 2010

Research

US Colleges and Universities

California Institute of Technology $50,835
NEOWISE Part II - Pan-STARRS MOPS Consulting Proposal: Consulting Support for MOPS Software Integration into WSDS
Jedicke, Robert Institute for Astronomy
The MOPS software engineer and manager will each provide consulting services on MOPS operations to the Infrared Processing and Analysis Center and Johns Hopkins University development teams.

California Institute of Technology $18,626
WISE (Wide-field Infrared SurveyExplorer) Solar System Object IDentification (SSOID)
Tholen, David J Institute for Astronomy
This project is intended to support the WISE spacecraft mission by providing a capability to identify known solar system objects in the WISE data stream.

California San Francisco, University of $141,450
Peripheral Reservoir of HIV DNA in Monocytes Pivotal to Cognition in HIV
Shikuma, Cecilia M Department of Medicine
To provide the laboratory work and logistical support for this research project.

Columbia University $77,563
Patagonia Glaciation, Geochemical Tracers of Atlantic Meridional Overturing Circulation, and Iron Fertilization of the Glacial South Atlantic Ocean
Pahnke, Katharina Department of Geology and Geophysics
To conduct Nd and Sr isotope ration and REE measurements in South Atlantic sediments to test for factors accounting for Nd isotopic variations in published records of past changes in Atlantic Meridional Overturing Circulation.

Columbia University $57,298
GEOTRACES Intercalibration of 230Th, 231Pa, 10Be, REE, Nd Isotopes and Selected Man-Made Radionuclides
Pahnke, Katharina Department of Geology and Geophysics
To measure rare earth elements and Nd isotopes under the GEOTRACES program in an intercalibrated global study to improve the knowledge of the distribution, sources, sinks and internal cycling of trace elements and isotopes in the ocean.

Oregon, University of $35,000
University-Based Detector Research & Development for the Int'l Linear Collider: Pixel-based Sampling CMOS Vertex Detector for the ILC
Varner, Gary S Department of Physics and Astronomy
Continue development of the LCAP pixel development activities. Test prototypes in a beam test at the Fermilab MTBF. Fabricate LCAP2, prototype two of the ILC Detector Sensor.

Scripps Institution of Oceanography (UC San Diego) $196,388
Current Measurements on Global Ocean Repeat Hydrography Cruises, 2009-2014
Firing, Eric Joint Institute for Marine and Atmospheric Research
1) To provide high-quality processed shipboard ADCP (SADCP) and lowered ADCP (LADCP) measurements on all cruises of the 2009-2014 phase of the CLIVAR Repeat Hydrography program, 2) to assist ODF personnel in acquiring a basic LADCP operational capability so as to facilitate this part of the CLIVAR measurements.
Gifts, Grants, and Contracts for January 2010

Research

US Colleges and Universities

Stanford University
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.

Virginia Polytechnic Inst and State Univ
Sustainable Management of Agroecological Resources for Tribal Societies (SMARTS)
Idol, Travis W Department of Natural Resources and Environmental Management
This proposal will address conservation agricultural practices among tribal populations in India and Nepal. The goal is to improve the livelihood of these subsistence farmers, modify slash-and-burn practices and introduce innovative soil and water conservation measures.

Subcount: 108 Subtotal: $20,262,201

Non-Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse
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)
Spatially Predictive Modeling of Potential Habitat for Two NOAA Species of Concern
Hunter, Cynthia L Biology Program
Conduct surveys and construct models for habitat suitability of two NOAA Species of Concern

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)
Dean John A. Knauss Marine Policy Fellowship - Lisa Adams
Okimoto, Darren K Sea Grant College Program
Provide educational experience in the policies and processes of the legislative and executive branches of the federal government to graduate students in aquatic-related fields.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)
Pacific Climate Impacts Resource Guide
Okimoto, Darren K Sea Grant College Program
This project will strive to develop several sections of an educational resource guide and build the network of expertise and stakeholders that will ensure the relevance of the information presented for implementation by the concerned public and decision-makers.
Gifts, Grants, and Contracts for January 2010

Non-Research

Foreign

Commonwealth of Northern Mariana Islands
Pacific Regional Comprehensive Cancer Control Implementation Program (Subcontract From CNMI DPH)
Buenconsejo-Lum, Lee  
Department of Family Medicine and Community Health
Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.

International Union of Nutritional Sciences
Financial Duties for the International Union of Nutritional Sciences (IUNS)
Kolonel, Laurence  N  
Cancer Research Center
Send annual dues notices to approximately 80 countries that are Adhering Bodies (ABs) of IUNS; Receive & deposit dies from ABs and sent receipts; Communicate as needed with ABs regarding overdue dues; Disperse funds as directed by Treasurer (Dr. S. Murphy); Maintain accurate financial records for UINS & provide a final report of expenditures.

Hawaii- Business and Other

Alu Like, Inc
Fisheries Observer Preparatory Training Program (FOTP 9)
Hunter, Cynthia  L.  
Marine Option Program
Conduct Fisheries Observer Preparatory Training courses for students provided by Alu Like, Inc.

Hawaii Council for the Humanities
Brecht in/and Asia
Wessendorf, Markus  W  
Department of Theatre and Dance
Series of public lectures by Richard Schechner, Ong Keng Sen, and Haiping Yan as part of a conference by the International Brecht Society on "Brecht in/and Asia? at the University of Hawaii from May 19-23, 2010.

Papa Ola Lokahi
Imi Hale - Native Hawaiian Cancer Network
Novotny, Rachel  
Department of Human Nutrition, Food and Animal Sciences
Dr. Novotny will help identify and recruit individuals interested in cancer disparities research and provide technical assistance to individuals in collecting, analysing, and interpreting data. She will mentor individuals to write manuscripts, and participate in conferences to report on Imi Hale activities and accomplishments.

Sea Engineering, Inc
Ocean Engineering Internship
Cheung, Kwok  Fai  
Department of Ocean and Resources Engineering
Establish an Ocean Engineering Internship with Sea Engineering Inc., Waimanalo, Hawaii

Hawaii- Government Agencies

Health, Dept - Adult Mental Health-HI
Child Clinical and Admin Services - CAMHD
Guerrero, Anthony  P  
Department of Psychiatry
Provide psychiatric services to the Department of Health, Child, and Adolescent Mental Health Division as outlined

$20,000
$3,833
$7,500
$160,154
$13,116
$16,619
$161,950
Gifts, Grants, and Contracts for January 2010

Non-Research

Hawaii- Government Agencies

Health, Dept - Child & Adolescent Mntl Hlth Div-HI $291,762
Child Residency Training CAMHD Log No. 09-005
Guerrero, Anthony P Department of Psychiatry
Provide training and administrative support services to psychiatric residents and fellows for the Department of Health, Child and Adolescent Mental Health Division, as outlined in the scope of the contract.

Health, Dept - Executive Office on Aging-HI $38,000
HAP-EE Evaluation Year 4
Braun, Kathryn L Department of Public Health Sciences and Epidemiology
To evaluate the EOA's Healthy Aging Program, as outlined in the federal grant proposal.

Health, Dept - HI $3,300
State of Hawaii Department of Health Family Health Services Division Maternal & Child Health Grant Women's Health Section-Family Planning Program
Cohen, Denise Chancellor, Maui Community College
To provide subsidized family planning services for women and men, as well as additional training for staff with regards to family planning.

Health, Dept - HI $82,259
HIV Prevention Evaluation Services
Katz, Alan Roy Office of Public Health Studies
Support the development of the evaluation for the HIV prevention services STD/AIDS Branch.

Health, Dept - HI $410,055
Adult Clinical and Admin Services ASO Log No. 06-139
Matsu, Courtenay Department of Psychiatry
Provide psychiatric services and consultation to the Department of Health, Adult Mental Health division as outlined in the scope of services in the contract.

Health, Dept - HI $148,246
Child Residency Training ASO Log No. 02-002
Guerrero, Anthony P Department of Psychiatry
Provide training and administrative support service to psychiatric residents and fellows for the Department of Health, Child and Adolescent Mental Health Division as outlined in the scope of services in the contract.

Human Services, Dept - HI $126,585
DHS Task Order 5: Hawai'i Child Welfare Continuous Quality Improvement Project
Stein, Lee Chancellor, Maui Community College
Maui Community college assists the Hawai'i Department of Human Services with enhancing the skills of casework staff and the development and implementation of a comprehensive quality assurance system for child welfare services. Funded by federal reimbursements earned under Title IV-E of the Social Security Act.
Gifts, Grants, and Contracts for January 2010

Non-Research

**Hawaii- Health Organizations**

Queen's Medical Center $25,000

Native Hawaiian Preparatory Pathway to Nurse Training
Boyd, Jamie A. Chancellor, Windward Community College
Provide career-focused, culturally-based education in a CNA to LPN to RN Pathway.

**Hawaii- Non-Profit Organizations**

Catholic Charities Hawaii $75,200

Try Wait! Abstinence Program Evaluation
Nagatoshi, Charles School of Social Work
To conduct the data collection and analysis of the Try Wait Abstinence Program.

Hawaii Community Foundation (HCF) $225,000

HEALTHY Quit Smoking Program
Lee, Meta Tjan Department of Pediatrics
This grant will provide funding to implement smoking cessation services at Kapiolani Medical Center for Women and Children. Adult smokers will be offered participation into the cessation program during their child's health care visit or hospitalization. Enrolled smokers will be given individualized counseling, follow-up data will be collected via telephone interviews.

Hawaii Island Land Trust $38,882

Land Conservation Plan (LCP) for Hawaii Island Land Trust
Minerbi, Luciano Department of Urban and Regional Planning
Provide a road map for Hawaii Island Land Trust for land conservation and acquisition efforts for the next ten years.

University of Hawaii Foundation $35,000

CEE Department Support
Liu, Clark C. K. Department of Civil and Environmental Engineering
Provide support to Civil and Environmental Engineering Department activities.

University of Hawaii Foundation $30,095

White Snake Project Support
Carroll, W Dennis Department of Theatre and Dance
To support the operational costs associated with the production of White Snake.

University of Hawaii Foundation $218,638

Dai Ho Chun Distinguished Chair in Arts & Sciences
Dubanoski, Richard A Office of Community and Alumni Relations
Dr. Grandin will support interdisciplinary collaboration and teach in the departments of history and American studies. He will teach cross-listed courses at the undergraduate level and a graduate course, as well. Grandin will also be available to give public lectures on a variety of topics of acute contemporary interest.
Gifts, Grants, and Contracts for January 2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation $33,058
  Hartford Center of Excellence
  Masaki, Kamal H Department of Geriatric Medicine
  To attract additional outstanding faculty to academic careers in Geriatric Medicine and to facilitate in their career development.

University of Hawaii Foundation $192,840
  Kellogg P-3 Expenditures
  Johnsrud, Linda K Vice President for Academic Planning and Policy
  To pay for P-20 salary, fringe, and program costs.

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 $20,000
  Basic Institutional Needs
  Sohn, Ho-Min Center for Korean Studies
  Pay for student hourly wages.

University of Hawaii Foundation $26,538
  Sam & Mary Castle P-3 Dir Salary
  Johnsrud, Linda K Vice President for Academic Planning and Policy
  To pay for P-3 Initiative Director's salary and fringe charges.

Mainland- Business and Other

Eli Lilly & Company $48,955
  12R-MC-BIAC "A Phase 2 Study of LY2605541 Compared with Insulin Glargine in the Treatment of Type 2 Diabetes Mellitus"
  Arakaki, Richard F Department of Medicine
  This study will compare 2 different dosing algorithms of LY2605541 with insulin glargine in patients with Type 2 diabetes mellitus. The treatment duration will be up to 12 weeks with a follow-up period of 4 weeks. This study will test the hypothesis that LY2605541 injected once daily will result in lower FBG levels than insulin glargine.

Eli Lilly & Company $91,240
  Protocol H9X-MC-GBDA AWARD-1: Assessment of Weekly Administration of LY2189265 in Diabetes-1
  Arakaki, Richard F Department of Medicine
  This is a multicenter, randomized, open-label comparator to assess the safety and efficacy of once weekly of LY2189265 1.5 mg in patients with type 2 diabetes mellitus who are taking maximally tolerated doses of metformin
Gifts, Grants, and Contracts for January 2010

Non-Research

Mainland- Business and Other

Keystone Alternate Assessment Design $1,240,755
Hawaii State Alternate Assessment
Stodden, Robert A Center on Disability Studies
CDS will support the development and implementation of the Hawaii Alternate Assessment by participating on weekly calls, coordinate Advisory group meetings, maintain database for Advisory group, print and distribute various resources, coordinate pilot testing and conduct various activities to facilitate assessment development.

Novo Nordisk, Inc $57,007
NN5401-3590: A Trial Comparing Efficacy and Safety of NN5401 with Insulin Glargine in Insulin Naive Subjects with Type 2 Diabetes
Arakaki, Richard F Department of Medicine
This is a 26-week study evaluating the efficacy and safety of SIAC (NN5401) + Metformin compared with Insulin Glargine + Metformin in insulin naive subjects diagnosed with Type 2 Diabetes

Phenomix Corporation $22,555
PHX1149-PROT402: A Phase 3, Randomized, Double-Blind, Active-Controlled, Multi-Center Extension Study to Evaluate Safety and Efficacy of Dutogliptin
Arakaki, Richard F Department of Medicine
All subjects who complete CHS 17006 the dutogliptin phase 3 core study (PHX1149-PROT402) will be eligible to participate in this extension protocol. This 52-week extension study will allow for the collection of long-term safety data and long-term effects on HbA1c and fasting and plasma glucose.

Mainland- Health Organizations

American Heart Association $24,772
Effects of Non-Esterfied Free Fatty Acids on Albumin Mediated Cholesterol Efflux
Ha, Chung-Eun Department of Native Hawaiian Health
Human serum albumin is the principal free fatty acid transporter in serum. We propose to examine the effects of these free fatty acids on albumin mediated cholesterol efflux since previous studies have shown that cholesterol also binds to albumin. Our study would provide research data on how elevated free fatty acids affect albumin mediated cholesterol efflux rate.

Mainland- Non-Profit Organizations

Las Cumbres Observatory Global Telescope Network Inc $53,100
IfA Hawaiian EPO Program
Kuhn, Jeffrey R Institute for Astronomy
Development and implementation of the Hawaiian Education and Public Outreach Program by the UH Institute for Astronomy and the Las Cumbres Observatory Global Telescope Network, Inc.

Monsanto Fund $1,000
Monsanto Hawaii Science Education Fund
Colmenares, Leticia U Chancellor, Windward Community College
To purchase equipment for hands-on activities in General Chemistry courses.
Non-Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration $108,073
Tour Through the Solar System: Using NASA Data Sets for Inspiring High School Level Science and Mathematics Education Through Problem-Based Learning
Gillis-Davis, Jeffrey Hawaii Institute of Geophysics and Planetology
We will develop a high school curriculum that is comprised of (1) modular lesson plans, (2) teacher tutorials, and (3) hands-on laboratory experiments based on the latest NASA mission materials that we work with. This planetary exploration themed curriculum coherent we be aligned with national and Hawaii education science standards.

National Science Foundation

National Science Foundation $14,888
Supporting Students Attending the User Modeling, Adaptation and Personalization 2010 Conference
Chin, David N Department of Information and Computer Sciences
Travel funds for PhD students from mostly USA universities to present their research at the User Modeling, Adaptation and Personalization Conference in Waikoloa, Hawaii June 20-24, 2010.

US Colleges and Universities

Gallaudet University $51,122
Gallaudet University Regional Center-Pacific (GURC) 2009-2010
Pagotto, Louise Chancellor, Kapiolani Community College
Provide outreach to Hawai`i & the Pacific including training & technical assistance to deaf students, their families, & professionals who serve deaf individuals.

Subcount: 41 Subtotal: $4,230,364
Count: 149 Total: $24,492,565
Funds Received from UH Foundation for 01/01/2010 - 01/31/2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation $30,095
"White Snake Project Support"
Carroll, W Dennis Department of Theatre and Dance
To support the operational costs associated with the production of White Snake.

University of Hawaii Foundation $218,638
"Dai Ho Chun Distinguished Chair in Arts & Sciences"
Dubanoski, Richard A Office of Community and Alumni Relations
Dr. Grandin will support interdisciplinary collaboration and teach in the departments of history and American studies.
He will teach cross-listed courses at the undergraduate level and a graduate course, as well. Grandin will also be

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 $192,840
"Kellogg P-3 Expenditures"
Johnsrud, Linda K Vice President for Academic Planning and Policy
To pay for P-20 salary, fringe, and program costs.

University of Hawaii Foundation $26,538
"Sam & Mary Castle P-3 Dir Salary"
Johnsrud, Linda K Vice President for Academic Planning and Policy
To pay for P-3 Initiative Director's salary and fringe charges.

University of Hawaii Foundation $35,000
"CEE Department Support"
Liu, Clark C. K. Department of Civil and Environmental Engineering
Provide support to Civil and Environmental Engineering Department activities.

University of Hawaii Foundation $33,058
"Hartford Center of Excellence"
Masaki, Kamal H Department of Geriatric Medicine
To attract additional outstanding faculty to academic careers in Geriatric Medicine and to facilitate in their career development.

University of Hawaii Foundation $20,000
"Basic Institutional Needs"
Sohn, Ho-Min Center for Korean Studies
Pay for student hourly wages.
Funds Received from UH Foundation for 01/01/2010 - 01/31/2010

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation $5,000
"Fairmont Orchid Reef Monitoring"
Adolf, Jason Natural Sciences-UHH
Monitor nutrient levels in anchialine ponds and adjacent coastal areas in order to better understand the impact of nutrients delivered by groundwater on the coastal ecosystem.

University of Hawaii Foundation $7,027
"Magnetic Levitation System Development"
Berkelman, Peter John Department of Mechanical Engineering
To continue support for research related to Magnetic Levitation.

University of Hawaii Foundation $16,590
"Therapeutic LOX Inhibitors"
Csiszar, Katalin Department of Complementary and Alternative Medicine
Testing and development of LOX inhibitors for therapeutic use.

Count: 11 Total: $594,786
Extramural Research Awards
for the Month of
January 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>3</td>
<td>$277,090</td>
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<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>5</td>
<td>$2,674,334</td>
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<tr>
<td>DOC-Dept of Commerce</td>
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<tr>
<td>DOD-Department of Defense</td>
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<td>DOI-Dept of Interior</td>
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<td>Foreign</td>
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<tr>
<td>Hawaii- Health Organizations</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<td>Mainland- Business and Other</td>
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<td>National Science Foundation</td>
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<tr>
<td>US Colleges and Universities</td>
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<td><strong>Total:</strong></td>
<td><strong>108</strong></td>
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<td><strong>100%</strong></td>
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Extramural Non-Research Awards
for the Month of
January 2010
Distribution by Sponsors

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<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
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<td>DOC-Dept of Commerce</td>
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<td>Hawaii- Business and Other</td>
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<td>Hawaii- Government Agencies</td>
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<td>Hawaii- Health Organizations</td>
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<tr>
<td>US Colleges and Universities</td>
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<td><strong>Total:</strong></td>
<td><strong>41</strong></td>
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Extramural Research Awards  
Year to Date: 07/01/09 - 01/31/10  
Distribution by Sponsors

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<td>DHHS-Dept of Health and Human Services</td>
<td>72</td>
<td>$37,106,359</td>
<td>20.60%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>66</td>
<td>$25,140,691</td>
<td>13.95%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>58</td>
<td>$31,134,735</td>
<td>17.28%</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>14</td>
<td>$4,777,133</td>
<td>2.65%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>45</td>
<td>$3,869,193</td>
<td>2.15%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>6</td>
<td>$1,072,173</td>
<td>0.60%</td>
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<tr>
<td>Federal Agencies</td>
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<tr>
<td>Foreign</td>
<td>16</td>
<td>$1,668,137</td>
<td>0.93%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>20</td>
<td>$1,040,311</td>
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</tr>
<tr>
<td>Hawaii- Dept of Education</td>
<td>1</td>
<td>$45,662</td>
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<tr>
<td>Hawaii- Government Agencies</td>
<td>77</td>
<td>$10,609,555</td>
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<tr>
<td>Hawaii- Health Organizations</td>
<td>8</td>
<td>$376,456</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>35</td>
<td>$2,097,277</td>
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</tr>
<tr>
<td>Mainland- Business and Other</td>
<td>48</td>
<td>$6,264,947</td>
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<td>22</td>
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<td>0.97%</td>
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<tr>
<td>Miscellaneous</td>
<td>1</td>
<td>$11,750</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
<td>47</td>
<td>$7,375,779</td>
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<tr>
<td>National Science Foundation</td>
<td>77</td>
<td>$29,668,212</td>
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<tr>
<td>US Colleges and Universities</td>
<td>65</td>
<td>$6,954,252</td>
<td>3.86%</td>
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</table>

**Total:** 739  **$180,163,752**  **100%**

Note: YTD amounts include adjustments.
### Extramural Non-Research Awards

**Year to Date:** 07/01/09 - 01/31/10  
**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>13</td>
<td>$3,351,972</td>
<td>2.92%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>35</td>
<td>$10,577,279</td>
<td>9.23%</td>
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<tr>
<td>DOC-Dept of Commerce</td>
<td>17</td>
<td>$1,372,492</td>
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<tr>
<td>DOI-Dept of Interior</td>
<td>11</td>
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<tr>
<td>ED-Dept of Education</td>
<td>60</td>
<td>$31,884,858</td>
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<tr>
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<td>$8,586,478</td>
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<tr>
<td>Foreign</td>
<td>14</td>
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</tr>
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<td>Hawaii- Business and Other</td>
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<tr>
<td>Hawaii- Dept of Education</td>
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<td>27</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<tr>
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<td>Mainland- Non-Profit Organizations</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
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<tr>
<td>National Science Foundation</td>
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<td>$17,146,399</td>
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<tr>
<td>US Colleges and Universities</td>
<td>28</td>
<td>$1,577,086</td>
<td>1.38%</td>
</tr>
</tbody>
</table>

**Total:** 475  
**$114,600,035**  
**100%**

Note: YTD amounts include adjustments.