

Gifts, Grants, and Contracts for February 2010

The following gifts, grants and contracts received by all campuses during the period February 1, 2010 through February 28, 2010 total \$16,918,955. The unofficial year-to-date total is: \$311,546,795.

Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Natl Inst of Health (NIH)	\$346,000
<u>The Genetic Control of Social Behavior</u>	
Blanchard, Robert J	Pacific Biosciences Research Center
Autism spectrum disorder involves multiple deficits in social behavior and interaction. The current research will use novel behavioral tests to evaluate the role of specific genes in these behaviors.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$2,366,455
<u>Multiethnic Cohort Study of Diet and Cancer (VDPP: Rarer Cancers)</u>	
Kolonel, Laurence N	Cancer Research Center
The goal of this supplemental project is to examine the relationship of vitamin D to the risk of several less common	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$1,100,000
<u>Surveillance, Epidemiology and End Results (SEER) Program</u>	
Goodman, Marc T	Cancer Research Center
Evaluate treatment patterns specifically for thyroid, glioblastoma, and adolescent and young adult cancer.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$330,868
<u>Effects of Soy on Estrogens in Breast Fluid and Urine</u>	
Maskarinec, Gertraud	Cancer Research Center
This administrative supplement is intended to enhance the specific aims of the parent grant by measuring isoflavones in nipple aspirate fluid and additional hormonal markers in nipple aspirate fluid and blood serum to better understand the metabolism of steroid hormones and their interactions.	
Health & Human Svc, Dept/NIH - Natl Inst of Mental Health	\$341,750
<u>Modeling Monocyte and Macrophage Based Gene Therapy for NeuroAIDS</u>	
Lu, Yuanan	Department of Public Health Sciences and Epidemiology
To test for the potential use of primary monocytes/macrophages as a gene transfer vehicle to deliver anti-HIV tat gene and a neuroprotective agent (TNFR) into the central nervous system and their stable high-level expression in the brain for combating neuroAIDS using laboratory mouse as a in vivo model system.	
Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse	\$472,500
<u>Factors for Enhanced Neurotoxicity in Methamphetamine Abuse and HIV Infection</u>	
Chang, Linda	Department of Medicine
This program will support career development of students and junior investigators new to research on drug abuse and HIV. They will develop their laboratory skills, and apply these skills to the study of mechanisms that confer vulnerability to neurotoxicity with methamphetamine abuse and HIV infection. Factors include oxidative stress and	

DOC-Dept of Commerce

Western Pacific Regional Fishery Mgmt Council	\$24,912
<u>Stock Structure in Opakapaka (Pristopomoides filamentosis) in Hawaii</u>	
Bowen, Brian R	Hawaii Institute of Marine Biology
Produce population genetic analyses of the snapper Opakapaka for purposes of stock resolution.	

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Research

DOD-Department of Defense

Defense, Dept - Air Force	\$460,000
<u>Operations and Management of the Maui High Performance Computing Center</u>	
Lassner, David K	Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.	
Defense, Dept - Air Force Ofc of Scientific Rsch	\$224,946
<u>Low Light Adaptive Contraction in Support of the Space Situational Awareness Mission</u>	
Chun, Mark R	Institute for Astronomy
Conduct research to address fundamental issues outlined in the solicitation to improve Air Force faint object capabilities.	
Defense, Dept - Air Force Ofc of Scientific Rsch	\$209,374
<u>Advancing the Surveillance Capabilities of the Air Force's Large-Aperture Telescopes</u>	
Jefferies, Stuart M	Institute for Astronomy
Conduct fundamental research into image restoration methods with the goal of significantly extending the region of performance for ground-based imaging of space-based targets, using the Air Force's 3-meter class telescopes.	
Defense, Dept - Office of Naval Research	\$149,878
<u>Acoustic Seaglider: Philippine Sea Experiment</u>	
Howe, Bruce M	Department of Ocean and Resources Engineering
To deploy acoustic Seagliders in the Ocean Acoustics Deep Water experiment in the Philippine Sea in order to develop ways to improve tomographic resolution using a combination of fixed and mobile platforms, and powered autonomous undersea vehicles.	
Defense, Dept - Office of Naval Research	\$59,998
<u>Hydrodynamics and Roughness of Irregular Boundaries</u>	
Pawlak, Eugene R.	Department of Ocean and Resources Engineering
The proposed work will involve field observations and analysis of bed roughness over coral reefs along with the associated hydrodynamic response of waves and currents.	
Defense, Dept - Office of Naval Research	\$11,073
<u>Remote Monitoring of Dolphins and Whales in the High Naval Activity Areas in Hawaiian Waters</u>	
Au, Whitlow W L	Hawaii Institute of Marine Biology
Use remote ecological acoustic recorders (EARs) to determine the presence of dolphins and whale in high naval activity area of the main Hawaiian Islands.	

DOI-Dept of Interior

Interior, Dept - National Park Service	\$25,000
<u>Research and Education Strategies to Revegetate Disturbed Areas</u>	
Duffy, David C	Department of Botany
Support efforts at Hawaii Volcanoes NP to research native plant propagation and revegetation techniques and develop education program to make available successful techniques.	

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Research

DOI-Dept of Interior

Interior, Dept - National Park Service \$20,797

Climate Monitoring Data

Duffy, David C

Department of Botany

Collaborate with NPS to implement a climate monitoring protocol to process, review and store climate data for status and trend analysis.

Interior, Dept - National Park Service \$146,559

Landbird Monitoring Implementation

Hart, Patrick

Natural Sciences-UHH

Implement the protocol that describes procedures to be used to determine the status and trends of forest birds in selected habitats in Hawaii Volcanoes Natl Park (HAVO), Haleakala NP, and National Park of Am Samoa

Foreign

National Astronomical Observatory of Japan \$8,995

New HiCIAO Low Background Lyot Stop

Hodapp, Klaus W

Institute for Astronomy

Develop, design and fabricate new Lyot stop for HiCIAO.

Trojan Technologies, Inc \$81,562

Ultraviolet Radiation Technology Investigation

Moreland, Victor D

Water Resources Research Center

Provide assistance in testing protocols for various ultraviolet system components and full-scale systems testing and provide training materials to improve water and wastewater treatment knowledge to company personnel focusing on up-stream treatment processes that influence ultraviolet systems.

Hawaii- Government Agencies

Health, Dept - Alcohol & Drug Abuse Div-HI \$100,059

State Prevention Framework Incentive Grant (SPF SIG) Epidemiology

Nigg, Claudio R

Department of Public Health Sciences and Epidemiology

To provide epidemiological support for the Hawaii Strategic Prevention Framework State Incentive Grant (HI SPF-SIG) project, which is designed to reduce substance abuse in Hawaii.

Health, Dept - HI \$15,000

Needs Assessment and Prevention Plan for Violence and Abuse in Hawai'i

Onoye, Jane

Department of Psychiatry

Conduct a needs assessment of violence and abuse in Hawai'i, and draft a prevention plan with recommendations for research, practice, and policy from a primary prevention approach.

Land & Natural Res, Dept - Div of Aquatic Resources-HI \$40,470

What Factors Enhance or Inhibit the Recovery of Corals Following Bleaching?

Cox, Evelyn F

Hawaii Institute of Marine Biology

This research will investigate two factors that can potentially affect the ability of corals to recover following bleaching - overfishing and nutrient inputs.

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Research

Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$34,000
<u>Statewide Wildlife Conservation Program Coordination and Implementation</u>	
Duffy, David C	Department of Botany
Contribute research coordination and implementation for various research projects under a statewide wildlife conservation plan.	
Land & Natural Res, Dept - HI	\$174,200
<u>Support for the HISC Program</u>	
Duffy, David C	Department of Botany
Coordinate invasive species management, assess new invasive species risks, ensure good science is applied to management plans, and implement a public outreach programs.	
Land & Natural Res, Dept - HI	\$96,570
<u>Invasive Plant ARRA Support</u>	
Duffy, David C	Department of Botany
Conduct surveys and control of invasive plants in Hawaii's state forest reserves on Kauai and Oahu.	
Land & Natural Res, Dept - HI	\$39,500
<u>Natural Area Reserves Management</u>	
Duffy, David C	Department of Botany
Research and manage endangered species in their protected habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	
Land & Natural Res, Dept - HI	\$122,566
<u>Kauai Endangered Forest Bird Conservation Research and Management</u>	
Duffy, David C	Department of Botany
Continue research and field management to restore the endangered Puaiohi and other endangered native forest birds on Kauai.	
Land & Natural Res, Dept - HI	\$65,288
<u>Detection and Control of Invasive Species on the Island of Hawaii</u>	
Duffy, David C	Department of Botany
Detect new potentially invasive plants and plant populations, continue on-going efforts to contain known invasive plant species, and expand early detection surveys on the Big Island.	
Land & Natural Res, Dept - HI	\$130,000
<u>Endangered Maui Forest Bird Population Research and Management</u>	
Duffy, David C	Department of Botany
Research and manage recovery efforts for endangered Maui forest birds, including the Po'ouli.	
Transportation, Dept - HI	\$348,142
<u>Seismic Instrumentation of the Kealakaha Stream Bridge</u>	
Robertson, Ian N	Department of Civil and Environmental Engineering
Purchase and installation of seismic instrumentation in new bridge structure during construction. Commission and monitor response.	

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Research

Hawaii- Government Agencies

Transportation, Dept - HI \$80,000
State of Hawaii Vehicle Occupant Protection Studies
Kim, Karl E Department of Urban and Regional Planning
Observational studies of seat belt use, child restraints, truck bed occupant use, bicycle and motorcycle helmet use and handheld cellular phone use.

Hawaii- Non-Profit Organizations

HCF-Leahi Fund \$60,000
Caveolin-1 is a Key Mediator for the Development and Progression of Lung Fibrosis
Le Saux, Claude Department of Cell and Molecular Biology
Five million people worldwide are affected by lung fibrosis with currently no effective treatments of a cure. The aim of this proposal is to study the role of caveolin-1, a potential inhibitor of the development and progression of this disease, to direct novel therapeutic strategies to control lung fibrosis.

People's Advocacy for Trails Hawaii (PATH) \$43,090
Hawaii's Opportunity for Active Living Advancement (HOALA)
Heinrich, Katie Office of Public Health Studies
This study will evaluate policy and programmatic changes in response to new statewide Complete Streets and Safe Routes to School laws and related changes in active transportation (e.g., walking and bicycling) to and from school for elementary school children in Hawaii County.

Tri-Isle Resource Conservation & Dev Council \$119,429
Management and Survey of Habitat-Modifying Invasive Species of Leeward Haleakala Watershed (ARRA)
Morden, Clifford W Department of Botany
Conduct restoration and management based research in the Southern Haleakala watershed.

Tri-Isle Resource Conservation & Dev Council \$68,427
East Maui Watershed Protection
Morden, Clifford W Department of Botany
Conduct applied conservation research and management to protect the native rainforests in East Maui's Watershed

University of Hawaii Foundation \$3,500
Castle Research Associates
Allsopp, Richard Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
To assess TERT expression levels in PGC during development; to analyze the expression of candidate transcriptional TERT inhibitors in PGC; and to analyze the role of candidate TERT inhibitors in the regulation of TERT expression in PGC.

Mainland- Business and Other

Battelle Energy Alliance LLC. \$120,467
Path Dependence Degradation Analysis of Li-Ion Battery for PHEV Applications
Liaw, Bor Yann Hawaii Natural Energy Institute
Continue to assist Idaho National Laboratory develop a path dependent test protocol and conduct supplemental tests for battery degradation analysis. Investigate the degradation mechanism under PHEV duty cycles.

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Research

Mainland- Business and Other

Cazador	\$114,351
<u>Assessment of Health Effects Associated with VOG Exposure, Hawai'i Island</u>	
Tam, Elizabeth K	Department of Medicine
Characterize susceptible-VOG populations in the HICLASS cohort, characterize exposure to VOG, assess acute and long term impact on asthma exacerbations.	
EA Engineering, Science, and Technology, Inc.	\$51,180
<u>Ocean Energy Potential and Options for the State of Hawaii</u>	
Masutani, Stephen M	Hawaii Natural Energy Institute
Conduct a review of the existing technical literature, compile and analyze relevant information, and provide recommendations on wave, current, tidal, and ocean thermal energy potential and options for the state of Hawaii.	
Incode Biopharmaceuticals, Inc	\$135,691
<u>Experimental and Pre-clinical Evaluation of Human C3 Derivatives</u>	
Fritzinger, David C	Cancer Research Center
Pre-clinical development of the human C3/cobra venom factor hybrid protein HC3-1496 and the construction, production and testing of certain related human C3/cobra venom factor (CVF) hybrid proteins	
Jet Propulsion Lab	\$42,000
<u>New JPL 1279251 - Cassini IDS Orbital Phase</u>	
Owen, Tobias	Institute for Astronomy
To work with results from the orbiter and the probe regarding the origin of Saturn and the origin and early evolution of the atmosphere of Titan.	
Real Green Power	\$22,377
<u>Anaerobic Digestion of Liquid Phase Waste</u>	
Cooney, Michael J	Hawaii Natural Energy Institute
This project will characterize the performance of Real Green Power's Bionest anaerobic digester to treat liquid phase wastes.	
Seagate Technology LLC	\$51,195
<u>Burst-Error-Correcting Codes for Data Storage Channels</u>	
Kavcic, Aleksandar	Department of Electrical Engineering
Develop burst error correcting capabilities for quasi-cyclic LDPC codes for use in data storage channels. Generalize the approach to guarantee not only correction of a single long error burst, but also that of multiple shorter bursts. Evaluate all performances on intersymbol interference channels representative of realistic data storage system.	
Space Telescope Science Institute	\$106,812
<u>Investigating the Early Solar System with Distant Comet Nuclei</u>	
Meech, Karen J	Institute for Astronomy--Director
Characterize nucleus of 8 new and long period comets located far from the sun.	

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Research

Mainland- Business and Other

Woods Hole Oceanographic Institution \$28,314

Sources of Iron to the Eastern Tropical Atlantic: Does the Continental Margin Supplement Saharian Dust

Dulaiova, Henrieta Department of Geology and Geophysics

Continental margins off Africa release substantial amounts of bio-available iron into the ocean. The flux and fate of this iron can be traced by collecting dissolved and particulate iron and with the use of radium isotopes for horizontal and thorium for vertical fluxes.

Mainland- Health Organizations

Kaiser Foundation Research Institute \$67,389

Pacific Kids DASH for Health (PacDASH)

Novotny, Rachel Department of Human Nutrition, Food and Animal Sciences

At UH-Design and develop project tools (specifically at HNFAS for the Pacific Tracker-Expert System tool.), test tools, oversee and manage study implementation, conduct data entry and analysis, and write reports. Principal investigator of study at Kaiser Permanente and UH.

Mainland- Non-Profit Organizations

Cades Foundation \$25,000

Support of Bioscience Research and Training at the Bekesy Laboratory

Hartline, Daniel K Pacific Biosciences Research Center

Support of training and basic biomedical research in molecular and cellular neurophysiology.

Society for the Psychological Study of Social Issues \$11,400

Same Sex Marriage and Sexual Orientation-Based Hate Crimes: Violence as Value-Expression

Stotzer, Rebecca School of Social Work

Research into the impact of state-level political activity around same-sex marriage laws on sexual orientation-based hate crime rates in the United States.

University Corporation for Atmospheric Research \$37,546

Analysis of Chromospheric Time Series

Jefferies, Stuart M Institute for Astronomy

To analyze simultaneous ground and space-based observations and use them as seismic probe of the chromosphere.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$106,000

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.

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Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$23,001

FLAME DESIGN: A Novel Approach to Clean Efficient Diffusion Flames

Chao, Beei-Huan Department of Mechanical Engineering

Investigate how flame structure can be controlled such that diffusion flames can be soot free but exceedingly strong. In this way, practical applications to clean, efficient diffusion flames can be realized.

National Aeronautics & Space Administration \$230,000

Microbeam Investigations of the Raw Materials, Processes, and Chronology of the Early Solar System

Huss, Gary Robert Hawaii Institute of Geophysics and Planetology

I will use the University of Hawaii Cameca ims 1280 ion microprobe to study the origin of the solar system through measurements of the isotopic compositions of meteorites and interplanetary dust particles. I will investigate the raw materials, the processes and the timing of events in the early solar system.

National Aeronautics & Space Administration \$53,263

Recruiting Undergraduates to Space Science Through the Wonders of Cosmochemistry

Taylor, G Jeffrey Hawaii Institute of Geophysics and Planetology

We will create new course materials covering cosmochemistry and planetary science for geochemistry instructors to use in their upper-level undergraduate courses. The materials will include PowerPoint lecture slides and an online searchable database of graphics and illustrations pertinent to cosmochemistry.

National Aeronautics & Space Administration \$55,000

Constraints on the Origin of Primitive Chondrite Components from their Oxygen Isotope Compositions

Nagashima, Kazuhide Hawaii Institute of Geophysics and Planetology

In order to constrain the origin of primitive chondrite components, we propose to study oxygen isotopic compositions of several chondritic components.

National Aeronautics & Space Administration \$75,000

Combined Raman, Fluorescence, and Lidar Multi-Sensors (RFLMS) for Remote Mineralogical, Biological and Planetary Atmospheric Exploration

Sharma, Shiv K Hawaii Institute of Geophysics and Planetology

This project is focused on developing a combined Raman and laser-induced native fluorescence spectrometer and lidar instrument for robotic and lander based exploration of Mars.

National Aeronautics & Space Administration \$160,000

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

Kuhn, Jeffrey R. Institute for Astronomy

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

National Aeronautics & Space Administration \$170,972

CME Structure, Evolution and Interaction with the Ambient Corona

Habbal, Shadia R Institute for Astronomy

The program will demonstrate the role of solar magnetic field and their impact on the Earth's environment.

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Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$210,000

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

Hodapp, Klaus W 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 Science Foundation

National Science Foundation \$112,000

Collaborative Research: Eclipse Observations of Heavy Ions, Neutrals and Dust Grains in the Solar Corona

Habbal, Shadia R Institute for Astronomy

Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for the exploring the physics of the corona and the acceleration region of the solar wind.

National Science Foundation \$509,235

Collaborative Research: Global Ocean Survey of Dissolved and Particulate Iron and Aluminum and Aerosol Iron and Aluminum Solubility Supporting the CLIVAR/Repeat Hydrography Project

Measures, Christopher Department of Oceanography

To continue the research from previous awarded proposals funded by NSF to study the distributions of dissolved Aluminum and Iron in the Indian Ocean.

National Science Foundation \$198,536

VOCALS: Airborne Measurements of Aerosol Dynamics and Evolution

Clarke, Antony D Department of Oceanography

Understanding the role of aerosol properties in cloud and drizzle formation.

National Science Foundation \$98,372

CAREER: High Fidelity Haptic Interaction using Large Range of Motion Magnetic Levitation Systems for Medical Applications

Berkelman, Peter John Department of Mechanical Engineering

(1) Developing novel magnetic levitation with large ranges of motion, and fast and accurate position and force control, (2) developing interactive simulations with the maglev systems for surgical simulation and physical rehabilitation, (3) evaluating the realism and effectiveness of the interactive systems.

National Science Foundation \$240,290

SILICIC EXPLOSIVE VOLCANISM: Understanding the Conditions of Steady and Unsteady Eruptive Behavior in Silicic Magmas - The Kaharoa 1314 Eruption

Carey, Rebecca Department of Geology and Geophysics

A study of the processes of unsteady short-lived explosions using a recent eruption of Tarawera volcano, New Zealand.

National Science Foundation \$42,950

Investigation of Reykjanes Ridge Evolution Near Iceland

Hey, Richard N Hawaii Institute of Geophysics and Planetology

The proposed supplemental funding is necessary to accomplish the original goals of our proposal, including the

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Research

National Science Foundation

test between competing hypotheses for the V-shaped bathymetry and gravity ridges south of Iceland. It will support Asdis Benediktsdottir for a year to work on her thesis.

US Colleges and Universities

Alaska, University of	\$74,995
<u>Proposal for Post-Certification Activities at IMS Stations I39PW, Palau and I52GB, Diego Garcia</u>	
Garces, Milton A	Hawaii Institute of Geophysics and Planetology
Continued maintenance operation for Palau and Diego Garcia.	
Alaska, University of	\$74,995
<u>Proposal for Post-Certification Activities at IMS Stations I39PW, Palau and I52GB, Diego Garcia</u>	
Garces, Milton A	Hawaii Institute of Geophysics and Planetology
Continued maintenance operation for Palau and Deigo Garcia.	
California San Diego, University of	\$449,884
<u>Creating a Pediatric Imaging-Genomics Data Resource</u>	
Chang, Linda	John A. Burns School of Medicine
The overall goal of this project is to create a combined Imaging (MRI) and Genomics data resource in children, in the form of a multi-center collaboration. UH will enroll subjects for the study, and be in charge of 2 Cores (Medical Core and MR Acquisition Core).	
Cambridge, University of	\$9,521
<u>Documenting Archaic Akha, the Register of the Akha Shaman</u>	
Thieberger, Nicholas	Department of Linguistics
The purpose of this project is to train four native speakers of Akha in methods of language documentation to aid in collecting and analyzing data in order to build a corpus of the Akha shaman's language.	
Illinois, University of	\$100,000
<u>Hybrid Masonry Connector Development and Testing</u>	
Robertson, Ian N	Department of Civil and Environmental Engineering
This project is part of a larger NEESR project under Principal Investigator Daniel Abrams of the University of Illinois (UIUC). The scope of the UHM component of this overall research program is to develop and test steel-masonry connectors for use in the full-scale hybrid masonry panel tests to be performed at UIUC.	
New Mexico, University of	\$49,806
<u>Direct and In Situ Determination of Immobilized Activity and Loading</u>	
Cooney, Michael J	Hawaii Natural Energy Institute
In this work it is proposed to use 1) quantitative fluorescence and 2) imaging ellipsometry coupled to quartz crystal microbalance to quantify immobilized enzyme and loading.	

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Research

US Colleges and Universities

Scripps Institution of Oceanography (UC San Diego) \$172,368

Taxonomically Diversified Global Census of Coral Reef Ecosystems

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research

To obtain a better understanding of global patterns of biodiversity for coral reefs, in particular for the largely understudied groups that represent the bulk of the diversity of marine life by the facilitation of molecular and taxonomic analyses of specimens collected through the project.

South Dakota, University of \$35,877

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 \$38,235

WIHS

Shikuma, Cecilia M Department of Medicine

The consortium is to continue to participate in the WIHS study, a longitudinal study to define characteristics of HIV infected women.

Subcount: 72 Subtotal: \$12,024,930

Non-Research

DOC-Dept of Commerce

Commerce, Dept - Minority Business Dev Agency-FED \$237,649

Honolulu Minority Business Enterprise Center

Morton, John F Vice President for Community Colleges

The Minority Business Development Agency Award supports the Honolulu Minority Business Enterprise Center that will provide economic development and technical assistance work to minority business enterprises located in Hawaii.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$399,973

PaclOOS Regional Association Support 2008-2011

Taylor, Brian School of Ocean and Earth Science and Technology

Implement ocean observing regional association.

DOD-Department of Defense

Defense, Dept - Air Force Ofc of Scientific Rsch \$125,000

Akamai Internship Program

Hunter, Lisa Institute for Astronomy

The Akamai Internship Program will train and advance local students for science and technology careers, through a new electro-optics curriculum, internships, and professional development of faculty members and graduate students.

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Non-Research

DOD-Department of Defense

Defense, Dept - Air Force Ofc of Scientific Rsch \$55,000
A Radar Calibration Nanosatellite
Shiroma, Wayne Akira Department of Electrical Engineering
Train undergraduate students through design and build of a radar calibration nanosatellite.

Federal Agencies

Environmental Protection Agency \$17,000
Ecological Impacts of Open-Ocean Aquaculture: Evaluating Bottom-up Disturbances on Food Webs Using Stable Isotope Analyses-Fellow D. Lin
Bailey-Brock, Julie H Department of Zoology
The purpose of this study is to examine the specific ecological impacts of open-ocean fish farming aquaculture on marine food webs. We intend to use stable isotope analyses and manipulative field experiments to determine how

Foreign

American Samoa, Govt of \$313,231
Provide Technical Assistance for the Division of Special Education
Stodden, Robert A Center on Disability Studies
Provide a variety of services and activities related to the development and delivery of University of Hawaii special education course work specifically designed for special education teachers to obtain their B.Ed in elementary education with a certification in special education.

Republic of Marshall Islands \$42,500
Implement a Newborn Hearing Screening Program
Johnson, Jean Lee Center on Disability Studies
Provide technical assistance to implement the grant it received from the US Department of Health's Health Resource Services Administration to implement a new born hearing screening program.

Republic of Palau \$20,000
PBCP-AAPI Support 2010 Palau
Morton, John F Vice President for Community Colleges
This award supports the economic development and technical assistance work of the Pacific Business Center Program under the University of Hawaii grant from the Economic Development Administration, US Department of Commerce

Hawaii- Business and Other

Kamehameha Schools \$600,000
Kamehameha Advanced Public Health Nursing Program
Qureshi, Kristine School of Nursing and Dental Hygiene
The Kamehameha Advanced Public Health Nursing Program will educate nurses of Native Hawaiian (NH) ancestry to attain a masters degree, and will serve to increase representation of NH nurses with specialty education in advanced public health nursing, and improve health outcomes for the NH population in Hawaii.

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Hawaii- Government Agencies

Business, Econ Dev & Tourism, Dept (DBEDT) - HI	\$88,000
<u>Hawaii State Robotics Program (TANF)</u>	
Choi, Song K	Department of Mechanical Engineering
Kits and registration fees for scholastic robotic competitions for Hawaii schools. Travel costs for the project team to attend various Hawaii robotic competitions.	
County of Hawaii	\$8,500
<u>Merrie Monarch Programs, FY 2010</u>	
Tseng, Rose	Chancellor, University of Hawaii at Hilo-UHH
Hosting of 8 culturally significant events (presentations, workshops, performances, demonstrations) supporting the Merrie Monarch Hula Festival, 2010.	
County of Maui - Ofc of Economic Development	\$250,000
<u>Maui Community Care Corps</u>	
Sakamoto, Clyde M	Chancellor, University of Hawaii Maui College
To support administrative activities to develop and implement Maui Community Care Corps - an initiative of the Aging with Aloha Coalition that Addresses worker shortage and retention in Maui County and promotes a home and community based services system for older persons and persons with disabilities.	
Health, Dept - Adult Mental Health-HI	\$46,408
<u>Hawaii Mental Health Transformation State Incentive Grant</u>	
Onken, Steven	Social Science Research Institute
To support the State of Hawaii Mental Health Transformation Grant with all multimedia needs.	
Health, Dept - HI	\$55,000
<u>Volunteer Registration Project</u>	
Qureshi, Kristine	School of Nursing and Dental Hygiene
Develop and deliver training programs for Medical Reserve Corp Volunteer Registration System and develop a tool kit for surge capacity work force program management.	
Health, Dept - HI	\$20,000
<u>Disaster Surge Capacity Training Project</u>	
Qureshi, Kristine	School of Nursing and Dental Hygiene
Develop and deliver disaster surge capacity training programs.	
Health, Dept - HI	\$4,761
<u>REAL: Hawaii Youth Movement Against the Tobacco Industry</u>	
Steffen, Alana D	Cancer Research Center
To raise awareness and educate Hawaii's youth about the manipulative targeting strategies used by the tobacco industry and to offer opportunities to take action.	
Health, Dept - State Office of Rural Health-HI	\$43,250
<u>Hawaii Medicare Rural Hospital Flexibility Program</u>	
Okamura, Norman H	Social Science Research Institute
Implement the open source version of the VistA Electronic Health Record System for two Critical Access Hospitals and four clinics that are part of the Hawaii Health System Corporation Kauai Region Network.	

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Hawaii- Health Organizations

Maui PACE \$37,500

Service Contract Between Hale Makua/Maui PACE and Maui Oral Health Center

Johnson, Nancy K Chancellor, University of Hawaii Maui College

Provide dental services to the individuals enrolled in the Maui PACE community health care program on a fee for service basis using the Medicaid fee schedule.

Waianae Coast Comprehensive Health Ctr \$86,744

Waianae Health Academy - Ola Loa Ka Na'auao Pre Health/Bridge, Substance Abuse Counseling, and Community Health Worker I Programs

Umehira, Ronny T Chancellor, Kapiolani Community College

Provide vocational career classes, student support services, tutoring, testing, academic counseling and other educational and academic services and activities to students through the Waianae Health Academy.

Hawaii- Non-Profit Organizations

Coalition for a Drug Free Hawaii \$27,500

Performance Assessment of the Drug Free Community Project

Kameoka, Velma A Department of Psychology

Purpose of this project is to assess the effectiveness of the DHHS-CCSAP Drug Free Community (DFC) project by designing and conducting performance assessments of DFC project-supported programs.

Hawaii Hotel & Rest Indust Empl & Trng Trst \$116,420

Hawaii Hotel & Restaurant Industry Employment Training Trust (HARIETT)

Hoshiko, Carol A Chancellor, Kapiolani Community College

Liase between Hawaii Hotel & Restaurant Industry Employment & Training Trust (HARIETT) & the community college for apprenticeship program. Meet with (State & Federal) government offices in the US regarding apprenticeship program labor issues. Schedule classes & provide additional hotel employee programs.

Kokua Kalihi Valley \$18,225

Medical/Legal Partnership with Kokua Kalihi Valley

Shek, Dina M William Richardson School of Law

UH will provide law clinic services, community advocacy and related work through the Medical-Legal Partnership for Children i Hawaii to support the Kokua Kalihi Valley advocacy project in Kalihi Valley.

Tri-Isle Resource Conservation & Dev Council \$43,700

Banana Bunchy Top Virus on Maui

Duffy, David C Department of Botany

Eradicate banana bunchy top virus in known infected areas on Maui while containing the spread.

Tri-Isle Resource Conservation & Dev Council \$468,700

Support for the Maui County Invasive Species Committee Project: FY 10

Duffy, David C Department of Botany

Detect, control and eradicate various alien invasive species on Maui.

Gifts, Grants, and Contracts for February 2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$205,000
<u>Matson Navigation Company Chair of Global Business Education</u>	
Roley, V. Vance	Shidler College of Business
Salary support for Matson Chairholder of Global Business Education.	
University of Hawaii Foundation	\$49,077
<u>Osher Lifelong Learning Institute</u>	
Dubanoski, Richard A	College of Social Sciences
To provide partial funding for Director of the Osher Lifelong Learning Institute for the period 04/01/2010 - 03/31/2011.	
University of Hawaii Foundation	\$81,695
<u>Center for Island Climate Adaptation and Policy</u>	
Burkett, Maxine	Sea Grant College Program
To provide support for activities relating to the Center for Island Climate Adaptation and Policy.	
University of Hawaii Foundation	\$5,000
<u>Journal of Natural Resources Policy Research</u>	
Gopalakrishnan, Chennat	Department of Natural Resources and Environmental Management
To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal publication.	
University of Hawaii Foundation	\$357,000
<u>Contemporary Challenges in Microbial Oceanography</u>	
Karl, David M.	Department of Oceanography
To train the next generation of scientists in the discipline of microbial oceanography.	
University of Hawaii Foundation	\$156,102
<u>Kellogg P-3 Expenditures</u>	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for CLASS assessor salary, fringe, and program costs.	

Mainland- Non-Profit Organizations

Gilead Foundation	\$75,000
<u>SEARCH Regional HIV/AIDS Training</u>	
Shikuma, Cecilia M	Department of Medicine
Provide advanced HIV training in SE Asia, to physicians, nurses, laboratory technicians and peer educators who have basic HIV/AIDS knowledge and are caring for patients with HIV.	

Gifts, Grants, and Contracts for February 2010

Non-Research

Mainland- Non-Profit Organizations

League for Innovation in the Community College \$97,600

Global Skills for College Completion

Lee, Mona

Chancellor, Kapiolani Community College

LaGuardia CC and the League for Innovation are collaborating on a project that will transform the teaching of basic skills ENG & MATH with the goal achieve 80% pass rates. It will involve conferences, teaching videos, online jams among participants and the collection of data on student achievement and demographics.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$118,699

Hawaii Center for Advancing Systemic Heliophysics Education - HI CASHED

Kadooka, Mary Ann M

Institute for Astronomy

Educational outreach and workshops with heliophysics activities and curriculum development used with teachers and students in Hawaii, the Pacific Islands and Continental U.S. Public outreach to support similar goals.

National Science Foundation

National Science Foundation \$152,281

SHINE Workshop Coordination for the Period during January 1, 2010 to December 31, 2014

Roussev, Ilia I

Institute for Astronomy

We propose to coordinate the annual Solar Heliospheric and Interplanetary Environment (SHINE) workshop for the next five years. SHINE is an affiliation of researchers within the solar, interplanetary, and heliospheric communities dedicated to understanding magnetic fields and particles produced by the Sun.

National Science Foundation \$279,504

Dissertations in Chemical Oceanography XXII and XXIII

Yamashita, Yvonne Y

Auxiliary Enterprises

This proposal seeks funds to organize and hold two meetings for recent chemical oceanography PhD graduates.

National Science Foundation \$15,000

Automorphic Forms Workshop

Guerzhoy, Pavel

Department of Mathematics

The Workshop on Automorphic Forms and Related Topics is an internationally recognized annual conference attended regularly by many leading experts. This year we are planning to attract this workshop to UH.

National Science Foundation \$39,240

Workshop Proposal for Fluid Oscillations in Volcanic Systems II

Garces, Milton A

Hawaii Institute of Geophysics and Planetology

Workshop with colleagues on multi-disciplinary team to discuss the nature of fluid source process and promote understanding of fluid behavior of volcanic plumes and conduits.

US Colleges and Universities

Arizona, University of \$59,406

Alternative Waste Management for Small-Scale Piggery Operations: Educ. Outreach, Demonstration and Adoption for Pacific Island Communities

Fukumoto, Glen K

Department of Human Nutrition, Food and Animal Sciences

Gifts, Grants, and Contracts for February 2010

Non-Research

US Colleges and Universities

Educational outreach and demonstration to train Pacific Island extension agents, resource conservation staff, community conservation district staff and farmers on livestock nutrient management planning, dry litter technologies, compost science and utilization.

Language Learning Prog - Univ of Michigan	\$2,000
<u>Willingness to Communicate in Learning Mandarin as a Third Language</u>	
Yao, Tao-Chung	Department of East Asian Languages and Literatures
The study is going to investigate the willingness to communicate of Mandarin learners and its relationship with communication anxiety, perceived competence, and proficiency level. It also intends to investigate the relationship of willingness to communicate in Mandarin and other previously learned foreign language.	
Language Learning Prog - Univ of Michigan	\$2,000
<u>Learning to Express Motion Events in L2 Chinese: A Cognitive Perspective</u>	
Li, Ying-Che	Department of East Asian Languages and Literatures
This project aims to employ a multi-method approach to provide thorough descriptions and analyses of the learners' interlanguage performance in learning to describe motions, so as to better understand the rethinking-for-speaking difficulties that learners typically encounter.	
Lorain County Community College	\$32,600
<u>National Center of Excellence in Welding Education and Training</u>	
Silliman, Mark D	Chancellor, Honolulu Community College
Provide advice to, and represent, the regional center at scheduled Weld-Ed meetings; conduct regional skill panel efforts for the college's service area; represent Weld-Ed in Hawaii; provide info on industry needs and student data in support of national surveys; and utilize Weld-Ed edu materials in instructional delivery & marketing.	
Utah State University	\$41,760
<u>Quantifying Secondary Compounds in Common Pasture Vegetation for Behavior Based Grazing Management in Hawaii</u>	
Thorne, Mark S	Department of Human Nutrition, Food and Animal Sciences
This project will compile information on the content of secondary compounds on common range and pasture vegetation into an online database. We will establish a plant collection of species for three herbariums located at county extension offices and publish a field manual and fact sheets on targeted, behavior grazing management of livestock.	

Subcount:	42		Subtotal:	\$4,894,025
Count:	<u>114</u>		Total:	<u>\$16,918,955</u>

Funds Received from UH Foundation for 02/01/2010 - 02/28/2010

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation "Center for Island Climate Adaptation and Policy" Burkett, Maxine Sea Grant College Program To provide support for activities relating to the Center for Island Climate Adaptation and Policy.	\$81,695
University of Hawaii Foundation "Osher Lifelong Learning Institute" Dubanoski, Richard A College of Social Sciences To provide partial funding for Director of the Osher Lifelong Learning Institute for the period 04/01/2010 - 02/28/2011	\$49,077
University of Hawaii Foundation "Journal of Natural Resources Policy Research" Gopalakrishnan, Chennat Department of Natural Resources and Environmental Management To launch a new journal in the field of natural resources and environmental policy, "Journal of Natural Resources Policy Research", to be edited by Professor Chennat Gopalakrishnan of the Department of Natural Resources and Environmental Management at UH Manoa. Work will involve a variety of editorial activities connected with journal	\$5,000
University of Hawaii Foundation "Kellogg P-3 Expenditures" Johnsrud, Linda K Vice President for Academic Planning and Policy To pay for CLASS assessor salary, fringe, and program costs.	\$156,102
University of Hawaii Foundation "Contemporary Challenges in Microbial Oceanography" Karl, David M. Department of Oceanography To train the next generation of scientists in the discipline of microbial oceanography.	\$357,000
University of Hawaii Foundation "Matson Navigation Company Chair of Global Business Education" Roley, V. Vance Shidler College of Business Salary support for Matson Chairholder of Global Business Education.	\$205,000

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation "Castle Research Associates" Allsopp, Richard Dept Anatomy, Biochemistry, Physiology and Reproductive Biol To assess TERT expression levels in PGC during development; to analyze the expression of candidate transcriptional TERT inhibitors in PGC; and to analyze the role of candidate TERT inhibitors in the regulation of TERT expression in	\$3,500
Count: 1	Total: <u>\$857,374</u>

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

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health and Human Services	6	\$4,957,573	41.23%
DOC-Dept of Commerce	1	\$24,912	0.21%
DOD-Department of Defense	6	\$1,115,269	9.27%
DOI-Dept of Interior	3	\$192,356	1.60%
Foreign	2	\$90,557	0.75%
Hawaii- Government Agencies	12	\$1,245,795	10.36%
Hawaii- Non-Profit Organizations	5	\$294,446	2.45%
Mainland- Business and Other	9	\$672,387	5.59%
Mainland- Health Organizations	1	\$67,389	0.56%
Mainland- Non-Profit Organizations	3	\$73,946	0.61%
National Aeronautics and Space Administration	9	\$1,083,236	9.01%
National Science Foundation	6	\$1,201,383	9.99%
US Colleges and Universities	9	\$1,005,681	8.36%
Total:	<u>72</u>	<u>\$12,024,930</u>	<u>100%</u>

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

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DOC-Dept of Commerce	2	\$637,622	13.03%
DOD-Department of Defense	2	\$180,000	3.68%
Federal Agencies	1	\$17,000	0.35%
Foreign	3	\$375,731	7.68%
Hawaii- Business and Other	1	\$600,000	12.26%
Hawaii- Government Agencies	8	\$515,919	10.54%
Hawaii- Health Organizations	2	\$124,244	2.54%
Hawaii- Non-Profit Organizations	11	\$1,528,419	31.23%
Mainland- Non-Profit Organizations	2	\$172,600	3.53%
National Aeronautics and Space Administration	1	\$118,699	2.43%
National Science Foundation	4	\$486,025	9.93%
US Colleges and Universities	5	\$137,766	2.81%
Total:	<u>42</u>	<u>\$4,894,025</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/09 - 02/28/10
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	43	\$6,308,296	3.28%
DHHS-Dept of Health and Human Services	77	\$41,860,127	21.74%
DOC-Dept of Commerce	67	\$25,165,603	13.07%
DOD-Department of Defense	64	\$32,250,004	16.75%
DOE-Dept of Energy	14	\$4,777,133	2.48%
DOI-Dept of Interior	48	\$4,061,549	2.11%
ED-Dept of Education	6	\$1,072,173	0.56%
Federal Agencies	4	\$772,152	0.40%
Foreign	18	\$1,758,694	0.91%
Hawaii- Business and Other	20	\$1,040,311	0.54%
Hawaii- Dept of Education	1	\$45,662	0.02%
Hawaii- Government Agencies	89	\$11,855,350	6.16%
Hawaii- Health Organizations	8	\$366,087	0.19%
Hawaii- Non-Profit Organizations	40	\$2,391,723	1.24%
Mainland- Business and Other	57	\$6,937,294	3.60%
Mainland- Health Organizations	16	\$2,389,564	1.24%
Mainland- Non-Profit Organizations	25	\$1,822,444	0.95%
Miscellaneous	1	\$11,750	0.01%
National Aeronautics and Space Administration	56	\$8,459,015	4.39%
National Science Foundation	84	\$31,277,300	16.24%
US Colleges and Universities	74	\$7,959,933	4.13%
Total:	<u>812</u>	<u>\$192,582,164</u>	<u>100%</u>

Note: YTD amounts include adjustments.

Extramural Non-Research Awards
Year to Date: 07/01/09 - 02/28/10
Distribution by Sponsors

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	13	\$3,351,972	2.82%
DHHS-Dept of Health and Human Services	35	\$10,577,279	8.89%
DOC-Dept of Commerce	19	\$2,010,114	1.69%
DOD-Department of Defense	3	\$306,193	0.26%
DOI-Dept of Interior	11	\$366,553	0.31%
ED-Dept of Education	60	\$31,884,858	26.80%
Federal Agencies	14	\$8,603,478	7.23%
Foreign	17	\$1,148,294	0.97%
Hawaii- Business and Other	33	\$4,139,811	3.48%
Hawaii- Dept of Education	7	\$431,611	0.36%
Hawaii- Government Agencies	90	\$13,578,047	11.41%
Hawaii- Health Organizations	29	\$9,969,172	8.38%
Hawaii- Non-Profit Organizations	79	\$6,612,491	5.56%
Mainland- Business and Other	13	\$2,041,109	1.72%
Mainland- Health Organizations	1	\$24,772	0.02%
Mainland- Non-Profit Organizations	20	\$1,978,559	1.66%
National Aeronautics and Space Administration	6	\$3,015,747	2.53%
National Science Foundation	33	\$17,224,719	14.48%
US Colleges and Universities	33	\$1,699,852	1.43%
Total:	<u>516</u>	<u>\$118,964,631</u>	<u>100%</u>

Note: YTD amounts include adjustments.