

Gifts, Grants, and Contracts for August 2011

The following gifts, grants and contracts received by all campuses during the period August 1, 2011 through August 31, 2011 total \$46,541,234. The unofficial FY 2012 year-to-date total is: \$77,653,777.

Research

DA-Dept of Agriculture

Agriculture, Dept - Agricultural Research Svc-FED \$165,300

Water and Carbon Footprint and Plant Parameters of Biofuel Production on the HC&S Sugarcane Lands in Maui, Hawaii

Crow, Susan E Department of Natural Resources and Environmental Management

Determining plant growth, water use, and carbon footprint of sugarcane and/or other energy plants in the HC&S croplands in Maui, Hawaii.

Agriculture, Dept - FED \$12,500

Sequencing of the Oriental Fruitfly Genome

Patek, Paul Q Department of Microbiology

Sequencing of the Oriental Fruitfly Genome.

Agriculture, Dept - Forest Service-FED \$25,000

The Potential for Restoration to Break the Grass/Fire Cycle in Dryland Ecosystems in Hawaii: Using Remotely Sensed Data to Guide and Understand Restoration of Dry Forest Ecosystem Process

Litton, Creighton Department of Natural Resources and Environmental Management

1) Define the current condition & historical changes to tropical dry forest ecosystems in Hawaii, 2) develop technology for regional restoration planning & ecosystem monitoring, 3) quantify restoration potential & develop restoration prescriptions for remnant Hawaiian dry forests & shrublands, & 4) develop effective fuel and fire risk reduction measures.

Agriculture, Dept - Forest Service-FED \$129,770

Climate Change Impacts on Hawaiian Biodiversity and Fresh Water Resources: Building Capacity for Research, Education, and Community-based Mitigation

Bruland, Gregory Lee Department of Natural Resources and Environmental Management

The goal of this research is to understand how climate change, invasive species, and the interaction of the two stressors will impact the hydrological and ecological functions of Pacific Island streams and watersheds. Results will be shared via an integrated education and community-based outreach program.

Agriculture, Dept - Forest Service-FED \$140,000

Monitoring with Forest Inventory and Analysis in Hawaii Experimental Tropical Forest

Ostertag, Rebecca Natural Sciences-UHH

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

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Ctrs for Disease Cntrl & Prvntn (CDC) \$174,979

Program to Assess Health Effects Associated with Exposures to Volcanic Emissions and Environmental Air Pollutants

Tam, Elizabeth K Department of Medicine

Extend a community-based participatory research network to study the respiratory effects of volcanic air pollution in Hawaii Island schoolchildren.

Health & Human Svc, Dept - Office of Public Health and Science \$969,936

Pono Choices

Roberts, Kelly D Center on Disability Studies

The proposed project is to develop a new and innovative approach to preventing Hawaii's high teen pregnancy and sexually transmitted diseases by selecting components from evidence-based programs incorporating them into a unique program that meets the needs of the culturally diverse youth population.

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Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$425,502
<u>The Colon Cancer Family Registry: Hawaii</u>	
Le Marchand, Loic	UH Cancer Center
To maintain and expand the Hawaii Colorectal Cancer Family Registry for the next four years.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$859,531
<u>University of Guam/Cancer Research Center of Hawaii Partnership</u>	
Vogel, Carl-Wilhelm	UH Cancer Center
Cancer research, training, education and outreach in partnership with the University of Guam.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$1,207,758
<u>Surveillance, Epidemiology and End Results (SEER) Program</u>	
Goodman, Marc T	UH Cancer Center
The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow up of all cancers diagnosed in Hawaii as part of the SEER Program.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$311,250
<u>The Role of HMGB1 in the Pathogenesis of Mesothelioma</u>	
Yang, Haining	UH Cancer Center
This project is to study the role of HMGB1 in the mechanism by which asbestos causes mesothelioma. The successful completion of this project will lead the identification of new molecular targets for intervention and the development of novel strategies for the prevention and/or therapy of MM.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$90,958
<u>Pathogenesis of Mesothelioma (Parent Award, PO1 CA114047) Supplement title: Combinational Immunotherapy for Malignant Mesothelioma</u>	
Carbone, Michele	UH Cancer Center
Use mechanistic information developed during the studies supported by the PO1: Pathogenesis of Malignant Mesothelioma (MM) to develop novel immunotherapeutic approaches and to test whether immunotherapy can synergize with pharmacological chemotherapy to cure/improve survival of mice injected with MM cells.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$1,853,251
<u>Whole Genome Scan for Modifier Genes in Colorectal Cancer</u>	
Le Marchand, Loic	UH Cancer Center
To conduct a whole-genome association study of colorectal cancer in the Multiethnic study in order to identify susceptibility genes for this cancer.	
Health & Human Svc, Dept/NIH - Natl Ctr for Rsch Resources	\$2,155,180
<u>Pacific Center for Emerging Infectious Diseases Research</u>	
Yanagihara, Richard	Department of Pediatrics
The overall objective of the proposal is to strengthen and transform the Pacific Center for Emerging Infectious Diseases Research into a translational science center of excellence.	
Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst	\$873,986
<u>Role of Oxidative Stress and Inflammation in HIV Cardiovascular Risk</u>	
Shikuma, Cecilia M	Department of Medicine
This project will study the increased CV risk in the HIV population on HAART and statins which may have efficacy in reducing inflammation.	

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DHHS-Dept of Health and Human Services

- Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis \$349,356
Intraspecies Transmission and Infectivity of Insectivore-Borne Hantaviruses
Yanagihara, Richard Department of Pediatrics
The primary objective of the proposed research is to determine the transmission of a new hantavirus in shrews and the infectivity of this virus to humans.
- Health & Human Svc, Dept/NIH - Natl Inst of Diabetes, Digestive, Kidney Dis \$114,889
Neighborhood Characteristics and Diabetes Incidence in the Multiethnic Cohort Study
Sinclair, Kaimi Department of Native Hawaiian Health
The purpose of this K01 Mentored Research Scientist Development Award is to provide Dr. Ka'imi A. Sinclair with support and protected time for an intensive, supervised career development experience leading to research independence and make her competitive for new (R01) research program funding.
- Health & Human Svc, Dept/NIH - Natl Inst of Neurological Disorders & Stroke \$659,742
HIV and Global Drug Therapies: Peripheral Neuropathy Complications and Mechanisms
Shikuma, Cecilia M Department of Medicine
This proposal will study whether low baseline peripheral nerve fiber density will predict development of neuropathy in a clinical cohort in Thailand; and also study the role of mitochondria.
- Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$255,339
Parallel MRI for High Field Neuroimaging
Stenger, Victor Andrew Department of Medicine
This project is to develop and optimize the use of parallel transmitters for magnetic resonance imaging of the brain. We will produce new image acquisition methods that have reduced artifacts and improved accuracy. The methods will be validated in human studies of the brain.

DOC-Dept of Commerce

- Commerce, Dept - Natl Inst of Standards & Tech \$178,429
Radionuclide Measurement Assurance for Radiobioassay
Dulaiova, Henrieta Department of Geology and Geophysics
Development of necessary metrology assurance tools that supplement and complement established NIST measurement methodologies, including radiobioassay, radiochemistry, measurement techniques and statistical analysis that will contribute to improvements of NIST radiometrology assurance program.
- Commerce, Dept - Natl Oceanic & Atmospheric Administration (NOAA) \$7,000
From Science to Conservation: Linking Coral Reefs, Coastal Watersheds and their Human Communities in the Pacific Islands
Richmond, Robert H Pacific Biosciences Research Center
This project addresses the impacts of watershed discharges on coral reefs in the Pacific Islands and translating science into policy and management approaches to protect these coastal marine resources.
- Commerce, Dept - Natl Oceanic & Atmospheric Administration (NOAA) \$95,025
A Study on the Predictability of Pacific Decadal Variability
Jin, Fei-Fei Joint Institute for Marine and Atmospheric Research
To investigate the predictability of the Pacific decadal sea surface temperature (SST) variability that is a major source for decadal climate anomalies over North America.

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Research

DOC-Dept of Commerce

- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$127,085
National Weather Service Pacific Region Fellowship Program
Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research
Funds will be used to support students and infrastructure within the departments of Meteorology, Oceanography (marine applications) and Geology & Geophysics (hydrology).
- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$200,000
Marine Fisheries Scientist at HIMB
Leong, Jo-Ann C. Hawaii Institute of Marine Biology
Funding is requested for a faculty position in fisheries science at HIMB. The faculty member will work cooperatively with colleagues at UH-Manoa and the PIFSC for NMFS.
- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$58,674
Comparison of Structure and Evolution Characteristics of Boreal Summer and Winter Intraseasonal Oscillations Derived from Reanalysis Products and Sate
Li, Tim Department of Meteorology
To evaluate the performance of various latest reanalysis products in capturing the MJO 3D structures, particularly its vertical heating and humidity profiles, and MJO multi-scale characteristics and initiation processes.
- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$982,500
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.
- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$30,000
U.S.-Affiliated Pacific Islands Region Gap Analysis for Hazard Planning Implementation
Hwang, Dennis Sea Grant College Program
The project analyzes the state of research and applied hazard planning within the US-affiliated Pacific Islands region using multi-dimensional analyses for projects that can be used for coastal and marine spatial planning and coastal emergency management. The analysis will be carried out through a series of interviews with regional planners and emergency managers.
- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$2,052,290
HURL Annual Funding (FY 2010)
Wiltshire, John C Hawaii Undersea Research Laboratory
This proposal requests FY2010 funding for base operations of the Hawaii Undersea Research Laboratory.
- Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$14,902
Reef Watch Waikiki Phase II
Barrett, Jennifer Sea Grant College Program
Reef Watch Waikiki will employ nearshore ecological monitoring as a method for training and educating community residents on marine resource issues. The skills acquired through participation in classroom training, cyberlearning, and field work will prepare participants for future employment opportunities in the fields.

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DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)	\$1,333,360
<u>Sea Grant College Program Institutional Program</u>	
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.	
Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)	\$74,336
<u>Application of DYNAMO/AMIE Observations to Validate and Improve the Representation of MJO Initiation and Propagation in the NCEP CFSv2</u>	
Fu, Xiou Hua	Department of Meteorology
Taking advantage of the unprecedented data collected from two intensive field campaigns (DYNAMO/AMIE) to validate and improve the representation of MJO initiation and propagation in latest NCEP CFSv2 model.	
Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)	\$85,500
<u>Fisheries Oceanography: Ecosystem Observations and Research Program - Analyses of Catch Data for Blue and Striped Marlins</u>	
Schroeder, Thomas A	Joint Institute for Marine and Atmospheric Research
To provide statistical analysis and modeling of catch and operational data related to striped and blue marlin taken by the Hawaii-based pelagic longline fishery.	
Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)	\$40,200
<u>Fish Monitoring and Support</u>	
Schroeder, Thomas A	Joint Institute for Marine and Atmospheric Research
To monitor the Hawaii-based pelagic longline fishery by collecting and processing data from commercial logbooks, meet with fishers and maintaining long-term data sets.	
Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA)	\$96,000
<u>Advancing Remote Marine Mammal Stock Assessment with Passive Acoustic Gliders</u>	
Howe, Bruce M	Department of Ocean and Resources Engineering
To test the effectiveness of gliders in detecting marine mammals in Hawaii.	
Commerce, Dept/NOAA - Natl Marine Fisheries Svc	\$592,485
<u>Climate Change and Ecosystem Variability in the North Pacific Ocean and the Dynamics of Marine Resource Populations</u>	
Schroeder, Thomas A	Joint Institute for Marine and Atmospheric Research
Seeks to improve understanding of the linkages between environmental and biological variability on interannual to decadal time scales, and to provide access to an expanded suite of satellite oceanographic data for use in physical, biological, and fisheries oceanographic research.	
Commerce, Dept/NOAA - Natl Marine Fisheries Svc	\$75,000
<u>Oceanography</u>	
Schroeder, Thomas A	Joint Institute for Marine and Atmospheric Research
To analyze animal movement data in conjunction with oceanographic and acoustic data along migration pathways. Collect new acoustic and oceanographic data in HI in an effort to elucidate prey availability and oceanographic preferences of false killer whales.	

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DOC-Dept of Commerce

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$45,000
Economic Analysis of Western Pacific Fisheries

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research
To collect and analyze economic information relevant to fisheries management and marine ecosystem issues in Hawaii. Investigate the global implications of US fisheries management.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$165,721
Pacific Islands Observer Program Initiative

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research
To analyze data collected by observers aboard commercial longline fishing vessels, train new fishery observers, out reach to fishers and schools in Hawaii, American Samoa, and Guam, and support emerging observer programs in other Pacific Island Nations.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$93,000
Fisheries Oceanography: Ecosystems Observations and Research Program Post-release Survival, Vertical and Horizontal Movements, and Thermal Habitats of Istiophorid Billfishes in the Central Pacific Ocean

Schroeder, Thomas A Joint Institute for Marine and Atmospheric Research
To measure post-release mortality rates and vertical movement patterns in billfish and pelagic sharks captured and released in commercial longline fisheries in the central Pacific.

DOD-Department of Defense

Defense, Dept - Army \$48,227
Improved Wildfire Prediction Using Remote Sensing Technology on Military Grasslands in Hawaii

Litton, Creighton Department of Natural Resources and Environmental Management
Proposed research will develop a simple method to quickly and accurately predict real-time fuel moisture from Terra-MODIS Enhanced Vegetation Index data. Accurate fuel moisture prediction will greatly improve predictions of fire ignition and spread, allowing land managers to make informed decisions on live fire training.

Defense, Dept - Navy \$1,800,000
Electro-Optical Systems, Arrays and Instrumentation: Standoff IED Detection III

Sharma, Shiv K Applied Research Laboratory
Develop electro-optic, spectroscopic and explosive vapor sensing detector technologies to defeat IEDs

DOI-Dept of Interior

Interior, Dept - National Park Service \$50,000
Connecting People and Place at Kalaupapa National Historic Park - Explorations in Oral History

McGregor, Davianna P Ethnic Studies Department
Conduct an oral history of descendants of the original Native Hawaiians who inhabited the Kalaupapa Peninsula prior to 1866 and who were ultimately displaced over the course of 30 years ending in 1895.

Interior, Dept - U.S. Fish & Wildlife Service \$93,400
Snail Jail at Palikea, Oahu, Hawaii

Duffy, David C Department of Botany
Eradicate the predatory non-native rosy wolf snail within an enclosure at Palikea, Oahu, construct a snail proof fence, and monitor the population of endangered native snails within the enclosure.

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DOI-Dept of Interior

Interior, Dept - U.S. Fish & Wildlife Service	\$59,245
<u>Field Monitoring and Analysis of Climate Change Across a Wide Range of Ecosystems in Hawaii</u>	
Giambelluca, Thomas W	Department of Geography
The goal of this project is to ensure continued operation and maintenance of the HaleNet climate observation network, including field operations, equipment maintenance and replacement, sensor recalibration, data communication improvements, data screening and archival, data analysis, and dissemination of results.	
Interior, Dept - U.S. Fish & Wildlife Service	\$42,888
<u>Reconstructing Past Hawaiian Precipitation using Stable Carbon Isotope Analysis of Mamane Trees</u>	
Schubert, Brian A	Department of Geology and Geophysics
To reconstruct past precipitation in Hawaii from Mamane trees growing on the island of Hawaii.	
Interior, Dept - U.S. Geological Survey	\$13,284
<u>Conservation Genetics: Molecular Tools</u>	
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH
Interior, Dept - U.S. Geological Survey	\$47,000
<u>Nene Habitat Use and Movements on the Island of Hawaii</u>	
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH
HCSU support staff to work on collaborative research with USGS PIERC focused on Nene habitat use and movement on the Island of Hawaii	
Interior, Dept - U.S. Geological Survey	\$63,862
<u>Surveys for Avian Pathogens and Vectors in the Kahuku Ranch Unit of Hawaii Volcanoes National Park and Additional Native Forest Bird Habitat on the Island of Hawaii</u>	
Ziegler-Chong, Sharon	Pacific Aquaculture-UHH
HCSU support staff to work on collaborative research with USGS PIERC focused on surveys for avian pathogens and vectors in the Kahuku Ranch Unit of Hawaii Volcanoes Natl Park and additional native forest bird habitat on the Island of Hawaii	

ED-Dept of Education

Education, Dept - FED	\$459,583
<u>PROJECT SPIRIT: Supporting Parents in Responsive Interactions</u>	
Johnson, Jean Lee	Center on Disability Studies
Project SPIRIT has three main goals. 1) Improve at-risk Native Hawaiian children's education readiness and early development. 2) Provide evidence-based skills and support for Native Hawaiian parents of children ages 0-5 using the Responsive Teaching Curriculum and , 3) Provide professional development for Native Hawaiian interventionists.	
Education, Dept - Ofc of Special Ed & Rehab Svcs-FED	\$299,999
<u>Steppingstones: Text to Speech Phase Two Study</u>	
Stodden, Robert A	Center on Disability Studies
The proposed project is a Phase 2 project - Research on Effectiveness. Building on the promising findings of a previously funded Steppingstones Phase I grant, the proposed project staff intend to conduct a rigorous field-based research study to further explore the effectiveness of text-to-speech software in educational setting.	

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Research

Foreign

High Energy Accelerator Research Orgn (KEK)	\$50,365
<u>JFY2012 US/Japan Program for Cooperation in High Energy Physics for the High Luminosity R&D</u>	
Varner, Gary S	Department of Physics and Astronomy
Funding is to support completion of equipment fabrication, integration, software, firmware debug and deployment of the first 64-element Fermionics array with 100 GSa/s sampling on each channel, and readout within a single SuperKEKB orbit.	
Regional Integrated Multi-hazard Early Warning System	\$20,000
<u>Developing Regional Climate Change Scenarios for Maldives</u>	
Annamalai, H	Department of Meteorology
To use the IPRC Regional Climate Model for downscaling climate change scenarios for monsoon influenced islands of Maldives, situated in the northern Indian Ocean.	

Hawaii- Business and Other

Hawaiian Electric Co, Inc	\$199,609
<u>Custom Regional Economic Forecasting and Consulting Services</u>	
Bonham, Carl Stanley	Social Science Research Institute
UHERO will provide 30 year forecasts of major economic indicators needed by HECO, MECO, and HELCO for the preparation of their internal forecasting exercises. Variables to be forecast include visitor statistics, personal	
Makai Ocean Engineering, Inc	\$24,534
<u>Development of an Autonomous Underwater Cable Burial System</u>	
Bingham, Brian S	Department of Mechanical Engineering
Development of an Autonomous Underwater Cable Burial System	
TREX Enterprises Corp.	\$37,000
<u>Modeling and Simulation of an Ocean WEC Device for Sensor Applications - Phase II</u>	
Ertekin, R Cengiz C	Department of Ocean and Resources Engineering
An Ocean Wave Energy Conversion device will be analyzed and tested to determine its technical feasibility.	

Hawaii- Government Agencies

Business, Econ Dev & Tourism, Dept (DBEDT) - HI	\$85,000
<u>Pilot Study for Assessment of Stormwater, Drainage, and Erosion Impact Methodology</u>	
Michaud, Jene	Chancellor, University of Hawaii at Hilo-UHH
Test and evaluate a new method for assessing the impact of new development on stormwater, drainage, and erosion	
Hawaii Tourism Authority	\$49,000
<u>A Proposal to Aid the Design and Development of the Hawaii Tourism Authority's On-Line Analytical Processing Module</u>	
Liu, Juanita C	School of Travel Industry Management
Advise the Hawaii Tourism Authority on the design and development of an on-line travel barometer designed to keep members of Hawaii's visitor industry abreast of changes in the volume of tourism occurring in the state and to permit custom analyses of visitor data.	

Gifts, Grants, and Contracts for August 2011

Research

Hawaii- Government Agencies

Health, Dept - HI	\$82,135
<u>Hair Analysis for Mercury and Arsenic Exposure</u>	
Li, Qingxiao	Department of Molecular Biosciences and Bioengineering
To assist the Hazard Evaluation and Emergency Response Office, Hawaii Department of Health in establishing a biomonitoring project to assess exposure to hazardous substances in the environment. Mercury and arsenic will be measured in hair collected from Women, Infant and Child participants.	
Health, Dept - HI	\$24,000
<u>Arsenic in Aquatic Macrophytes: Concentrations in the Wailuku and Wailoa Watersheds</u>	
Yost, Russell S	Department of Tropical Plant and Soil Sciences
This study support the sampling and assessment levels of arsenic in plants and soils and attempt to identify the contributing processes.	
Human Services, Dept - Ofc of Youth Svcs-HI	\$11,250
<u>DMC Profile</u>	
Umemoto, Karen N	Department of Urban and Regional Planning
The project will construct a population profile that will be used for a larger needs and assets assessment of adjudicated juveniles that are identified as disproportionately represented in the Hawaii juvenile justice system.	
Human Services, Dept - Ofc of Youth Svcs-HI	\$51,647
<u>Juvenile Crime Analysis</u>	
Godinet, Meripa T.	School of Social Work
Analysis of current juvenile offenses including gangs over the course of three years (FY 2009-2011) of the state of Hawaii. Research will also include analysis of delinquency prevention, educational and juvenile justice needs, and mental health services relevant to the state of Hawaii.	
Judiciary, Dept - HI	\$13,985
<u>JDAI Directory</u>	
Umemoto, Karen N	Department of Urban and Regional Planning
In consultation with the Juvenile Detention Alternatives Initiative Coordinator and potential users, we will research, compile and publish a comprehensive statewide youth services referral directory for juvenile justice system professionals.	
Land & Natural Res, Dept - Div of Aquatic Resources-HI	\$120,000
<u>Fisheries Habitat Enhancement Monitoring</u>	
Duffy, David C	Department of Botany
Monitor the effectiveness of mechanical removal and increase in native herivory in the reduction of algal biomass in Kaneohe Bay.	
Land & Natural Res, Dept - Div of Forestry & Wildlife-HI	\$170,000
<u>Kauai Endangered Seabird Conservation Research and Management</u>	
Duffy, David C	Department of Botany
Conduct research on the populations of endangered Kauai seabirds and make recommendations for conservation strategies.	

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Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$140,000
<u>Coordination and Planning of the Kauai Seabird Habitat Conservation Plan on Kaua'i, Hawai'i</u>	
Duffy, David C	Department of Botany
Complete a programmatic seabird habitat conservation plan and National Environmental Policy Act analysis for the incidental take of endangered seabirds due to light attraction.	
Land & Natural Res, Dept - HI	\$137,500
<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	\$51,127
<u>Highway Traffic Noise Analysis and Abatement Guidelines</u>	
Prevedouros, P. D.	Department of Civil and Environmental Engineering
Development of policies and guidelines for applying the policies on the mitigation of impacts from highway noise for proposed and for existing highway facilities.	

Hawaii- Health Organizations

Kuakini Medical Center	\$79,683
<u>Epidemiology of Aging and Dementia Autopsy Research</u>	
Uyehara-Lock, Jane H	Department of Pathology
To provide pathology services and analysis of autopsy results as part of the ongoing Honolulu Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.	

Hawaii- Non-Profit Organizations

HCF-Geist Foundation	\$47,980
<u>A Novel Approach of Using Myostatin Prodomain to Treat Age-Associated Sarcopenia</u>	
Kim, Yong-Soo	Department of Human Nutrition, Food and Animal Sciences
Myostatin is a potent negative regulator of skeletal muscle growth, suggesting that myostatin suppression is potential approach to treat muscle loss, including age-associated sarcopenia. This study is designed to explore the potential of MSTNpro, a myostatin-suppressing molecule, to treat sarcopenia using mice as a model animal.	
Oceanic Institute - Ctr for Tropical & Subtrpcl Aquaculture (CTSA)	\$50,000
<u>Diversifying Freshwater Aquaculture Products for Hawaii: Two Crossover Species, The Red and Black Pacu (Piratactus brachypomus and Colossoma macropomu)</u>	
Howerton, Robert D	Sea Grant College Program
Investigate feasibility of culturing in Hawaii two new freshwater species that have value both in the ornamental and	
Pacific Health Research & Education Institute	\$11,646
<u>Reducing Cost-Related Medication Nonadherence in Persons with Diabetes</u>	
Juarez, Deborah T	College of Pharmacy-UHH
Evaluate the impact of a web-based prescribing tool on medication adherence and cost	

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Research

Hawaii- Non-Profit Organizations

Pacific Health Research & Education Institute	\$5,823
<u>Reducing Cost-related Medication Nonadherence in Person with Diabetes</u>	
Tseng, Chien-Wen	Department of Family Medicine and Community Health
Dr. Tseng will be responsible for the study design, IRB applications, overseeing the claims analyses to measure medication adherence and drug cost, designing the physician survey instrument, data analyses, publishing manuscripts, and disseminating study findings.	
Tri-Isle Resource Conservation & Dev Council	\$124,053
<u>East Maui Watershed Protection: Waikamoi Preserve</u>	
Morden, Clifford W	Department of Botany
Conduct applied conservation research and management to protect the native forests of Waikamoi Preserve in east Maui.	
Tri-Isle Resource Conservation & Dev Council	\$24,615
<u>East Maui Mountains Watershed High Resolution Imagery Technology for Mapping, Treatment and Monitoring of Invasive Species</u>	
Morden, Clifford W	Department of Botany
Apply new remote sensing technology to identify priority invasive species targets for eradication.	
Tri-Isle Resource Conservation & Dev Council	\$60,000
<u>Leeward Haleakala Watershed Restoration Partnership</u>	
Morden, Clifford W	Department of Botany
Conduct restoration and management-based research in the watershed forests on Southern Haleakala.	
University of Hawaii Foundation	\$2,100
<u>Spam Maps: Contemporary Asia Pacific Art and Economics</u>	
Hamilton, Jaimey E	Department of Art and Art History
Funds to pay salary and fringe for graduate student to assist with research and preparation of book for Spam Maps project.	

Mainland- Business and Other

Ambient Micro	\$23,941
<u>Battery Prognostic for Small Scale Distributed Resource Applications</u>	
Dubarry, Matthieu	Hawaii Natural Energy Institute
Assess the performance and quality of commercial lithium batteries to be installed on a prototype energy storage system coupled to PV arrays	
AmericaView	\$23,800
<u>StateView Program Development and Support for the State of Hawaii</u>	
Wright, Robert	Hawaii Institute of Geophysics and Planetology
Promoting the use of satellite remote sensing in the State of Hawaii through education, outreach and research. Archive satellite data relevant to the State of Hawaii.	

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Mainland- Business and Other

Faraday Technology, Inc. \$50,000

NSF Center for Bioenergy Research & Development -- Faraday Technology Membership

Turn, Scott Q Hawaii Natural Energy Institute

Faraday Technology Inc. is paying for a membership into the University of Hawaii site of the NSF Supported Center for Bioenergy Research & Development. Faraday Technology Inc. is a NSF SBIR recipient and NSF agrees to pay 45K and Faraday will pay \$5k for their membership.

Jet Propulsion Lab \$5,803

A Star Formation Oasis in the Middle of a Cluster Desert

Henry, J Patrick Institute for Astronomy

We want to shed light on which one, galaxy mass or large-scale environment, is the main driver of galaxy evolution by studying the star formation activity in cluster and field galaxies at the epoch when the galaxy formation processes are still in place.

Woods Hole Oceanographic Institution \$35,000

Establishing Radionuclide Levels in Coastal Japan and the Western Pacific Ocean in Response to Releases from the Fukushima Daiichi Nuclear Power Plant

Dulaiova, Henrieta Department of Geology and Geophysics

The March 11, 2011 earthquake and tsunami substantially damaged the Fukushima Daiichi Nuclear Power Plant resulting in significant releases of iodine, cesium, cobalt & other radioisotopes to the environment. Radionuclides were released to the atmosphere/ocean. We will participate on a cruise from Japan to the western Pacific Ocean to monitor spreading patterns through collaboration with WHOI scientists in collecting water samples for isotope analysis & radiation detection using radiochemical methods on board ship and then for conducting further isotopic analysis at UH

Mainland- Non-Profit Organizations

Southwest Research Institute \$57,090

JUNO Science Support Phase B/C/D Activities

Owen, Tobias Institute for Astronomy

Dr. Owen will provide guidance and review of all Education and Public Outreach activities. He will also assist in analysis, modeling and interpretation of models of Jupiter formation.

St. Baldrick's Foundation \$73,011

Residual Disease in the International Trial for B-Cell Lymphoma/Leukemia

Shiramizu, Bruce T Department of Medicine

The study aims to detect minimal residual disease in blood and bone marrow from children being treated for non-Hodgkin lymphoma.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$100,000

Water and Habitable Worlds

Meech, Karen J Institute for Astronomy

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

Gifts, Grants, and Contracts for August 2011

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$1,065,465

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 \$56,449

Seasonality of Slope Streak Formation

Schorghofer, Norbert Institute for Astronomy

Analyze slope streak formation on Mars in regards to wind, temperature, dust devil activity, dust storms and other environmental activity.

National Aeronautics & Space Administration \$15,438

From Planetesimals to Terrestrial Planets: A Study of the Formation of Habitable Planets in Binary Star Systems

Haghighipour, Nader Institute for Astronomy

To study the formation of habitable planets in binary and multiple star systems, and the mechanism of the delivery of water to such planets.

National Aeronautics & Space Administration \$47,919

Measuring Cluster Properties and Flows From Cosmic Microwave Background WMAP and X-ray Data

Ebeling, Harald Institute for Astronomy

Reflecting the importance of galaxy clusters for a wide range of extragalactic research topics, the science goals addressed by this project are numerous, from the physical mechanisms governing galaxy evolution, to investigations into the nature and properties of dark matter and dark energy.

National Aeronautics & Space Administration \$56,659

Beyond MACS: An All-Sky Search for the Most X-ray Luminous Clusters of Galaxies out to $z \sim 1$

Ebeling, Harald Institute for Astronomy

We propose to use the faintest X-ray sources detected in the ROSAT All-Sky Survey and imaging data from Pan-STARRS (PS1) to identify the most massive, distant galaxy clusters. The properties of these systems will then be used to investigate the nature of dark matter and dark energy.

National Aeronautics & Space Administration \$100,919

Monitoring the Orion Nebula Cluster

Reipurth, Bo Institute for Astronomy

Using the Variable Young Stellar Object Survey (VYSOS) group of telescopes to monitor and study thousands of young stars in the Orion Nebula Cluster.

National Aeronautics & Space Administration \$9,266

Dynamics of Anisotropic Mean and Time-varying Structures of Ocean Circulation

Maximenko, Nikolai A Department of Oceanography

Satellite data, in situ observations, and outputs of advanced numerical models will be used jointly to study the dynamics of anisotropic mesoscale stationary and propagating jet-like structures recently discovered in the upper ocean.

Gifts, Grants, and Contracts for August 2011

Research

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$6,960

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

Qiu, Bo Department of Oceanography

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

National Aeronautics & Space Administration \$118,977

Formation, Evolution, and Detection of Ocean-Bearing Planets Close to Cool Stars

Gaidos, Eric J. Department of Geology and Geophysics

To investigate how rocky planets with the mass of earth or larger may occur close to late-type stars, whether they will have substantial fluid envelopes of water and other volatiles, how those envelopes may effect the interior evolution.

National Aeronautics & Space Administration \$29,515

Integrating MESSENGER Data to Investigate the Origin of Mercury's Intercrater and Smooth Plains Deposits

Gillis-Davis, Jeffrey Hawaii Institute of Geophysics and Planetology

The proposed work will investigate the origin of Mercury's Smooth plains and intercrater plains using data from the Mercury Surface, Space Environment, Geochemistry, and ranging (MESSENGER) mission. The main tasks of the proposal include; create a prioritized list of geologic targets, and integrate X-ray, gamma-ray, neutron, and spectral data to map these two units.

National Science Foundation

National Science Foundation \$12,000

Doctoral Dissertation Research: Information Structure and Dative Word-Order Alternations in English and Korean: L1 Children, L2 Children, and L2 Adults

Schwartz, Bonnie D Department of Second Language Studies

This proposed study aims to investigate how a universal discourse or cognitive principle influences speakers' choice of grammatical structure in English and Korean native children, English-speaking learners of Korean, and Korean-speaking learners of English, using experimentation.

National Science Foundation \$11,999

Doctoral Dissertation Research: The Effect of Naming Systems on the Acquisition of and Reasoning about Time Concepts

Deen, Kamil Ud Department of Linguistics

The proposed research test the possibility that different naming systems for time sequences (Days of the Week and Month of the Year) in various languages may cause differences in the ways in which speakers asquire time words, and also the ways in which they reason about time.

National Science Foundation \$11,359

Doctoral Dissertation Research: Kubeo Grammar

Campbell, Lyle R Department of Linguistics

This project is linguistic fieldwork to prepare a grammar for Kubeo, a language of the Tukanoan family in Brazil and Colombia.

National Science Foundation \$75,000

Collaborative Research: Factor-Graph Approach to Monitoring and Failure Assessment in Smart-Grid Networks

Kavcic, Aleksandar Department of Electrical Engineering

Modeling a factor graph associated with a micro-grid, including electric, load, wind and solar interactions. Developing belief propagation algorithms for monitoring. Assuring secure communication of messages.

Gifts, Grants, and Contracts for August 2011

Research

National Science Foundation

National Science Foundation \$99,814

Developing a Theory of Dynamical Complex Multiplication

Manes, Michelle A Department of Mathematics

Conduct research in the field of arithmetic dynamics, developing a new theory of "complex multiplication," building on analogies between this field and more established results in the theory of elliptic curves.

National Science Foundation \$36,008

Collaborative Research: Large-Scale, Long-Term, Multi-Directional, Cross-Hole Experiments in the Upper Oceanic Crust Using a Borehole Observatory Network

Cowen, James P Department of Oceanography

To participate in tracer transport project-injection of tracers into ocean basaltic crust via seafloor observatories. Proper deploy & recover instrumented sled to seafloor observatories.

National Science Foundation \$370,034

Upscale feedback of tropical atmospheric synoptic-scale variabilities to intraseasonal oscillations

Li, Tim Department of Meteorology

to investigate Upscale feedback processes through nonlinear rectification of energy conversion, surface latent heat flux and apparent heat sources

National Science Foundation \$20,000

I/UCRC Center for Bioenergy Research and Development

Turn, Scott Q Hawaii Natural Energy Institute

UH will participate in the development of novel catalysts for producing liquid biofuels from synthesis gas. UH will characterize contaminants in the synthesis gas that affect catalysts and supply synthesis gas samples.

National Science Foundation \$51,000

I/UCRC Center for Bioenergy Research and Development

Turn, Scott Q Hawaii Natural Energy Institute

UH will participate in the development of novel catalysts for producing liquid biofuels from synthesis gas. UH will characterize contaminants in the synthesis gas that affect catalysts and supply synthesis gas samples.

National Science Foundation \$250,023

Mechanisms and Dynamics of Magma- Water Interactions: Case Studies from Iceland

Fagents, Sarah A. Hawaii Institute of Geophysics and Planetology

We propose to combine field, laboratory and numerical modeling studies to investigate the role of external water in

National Science Foundation \$219,945

Collaborative Research: Great Earthquakes, Megathrust Phenomenology and Continental Dynamics in the Southern Andes

Brooks, Benjamin A Hawaii Institute of Geophysics and Planetology

We are proposing to study continental South America's deformational response to the Maule, Chile M 8.8 earthquake that occurred on Feb. 27, 2010. Using primarily GPS measurements we will observe post-seismic responses of 10s of centimeters over ~ 1/3 of the South American continent.

National Science Foundation \$284,709

GOALI: Friction Stir Forming Process for Joining Dissimilar Metals

Miller, Scott F Department of Mechanical Engineering

The research objective of this proposal is to measure the link among the process, material structure, and material properties for the new friction stir forming (FSF) process. This is a new, efficient, and environmentally benign process capable of simultaneously heating and forming the work material into a strong joint.

Gifts, Grants, and Contracts for August 2011

Research

National Science Foundation

National Science Foundation \$439,235

Collaborative Research: Sensitivity of Circum-Arctic Peatland Carbon to Holocene Warm Climates and Climate Seasonality

Beilman, David W Department of Geography

This proposal seeks to enhance our understanding and improve our predictions of the fate of Arctic carbon by studying and modeling the geological record of past warming periods. Student training, UHM lab expansion, and field collections at crucial locations across the Arctic including the Pacific region are central to this project.

National Science Foundation \$99,780

Collaborative Research: Microwave Stethoscope: A Novel Non-Invasive Microwave Sensor for Monitoring Human Vital Signs

Iskander, Magdy F. Hawaii Center for Advanced Communications

Design and implementation of a microwave sensor for continuous monitoring of human vital signs. With the developed sensor, vital signs including heart rate, breathing rate, lung water content, and stroke volume can be continuously monitored with minimal hindrance to the patient mobility.

National Science Foundation \$369,620

CIF: Medium: Collaborative Research: Information Theory and Statistical Inference from Large-Alphabet Data

Santhanam, Narayana Prasad Department of Electrical Engineering

Classical statistics builds models using observations, providing guarantees when the observation size is sufficient. In modern biology or data-mining, observations are complex, and too scarce for classical approaches. We connect two concurrent threads of research, and extend them to applications in classification and genetics.

National Science Foundation \$118,266

Robust Physiological Signal Extraction using High Precision Hardware and Personalized Signal Processing

Boric-Lubecke, Olga Department of Electrical Engineering

The research scope of this project is to develop data-driven solutions for extracting and interpreting physiological data obtained using robust Doppler radar sensing.

National Science Foundation \$239,854

HCC: Medium: Social Search and Deliberation in Digital Political Information and Collaboration Domains

Robertson, Scott Department of Information and Computer Sciences

Social networking sites and services such as Facebook and Twitter are increasingly important for political dialogue. This research examines how social networking might influence decision making by voters and also proposes to build a service to help voters find and share online information about candidates.

National Science Foundation \$56,604

The Gemini NICI Planet-Finding Campaign

Liu, Michael C Institute for Astronomy

To exploit the powerful new capabilities of the Near-Infrared Coronagraphic Imager (NICI) by continuing to lead a multi-year guaranteed-time campaign at the Gemini-South 8-meter Telescope dedicated to finding and characterizing planets by direct imaging.

Gifts, Grants, and Contracts for August 2011

Research

National Science Foundation

National Science Foundation \$323,373

Water in the Asteroid Belt: Main Belt Comet Discovery, Characterization, and Modeling

Meech, Karen J Institute for Astronomy

We will analyze data about main belt comets, their characteristics and orbits.

National Science Foundation \$191,719

A Comprehensive Study of Chemical Evolution in Galaxy Mergers

Kewley, Lisa J Institute for Astronomy

Galaxy interactions and mergers are fundamental to the formation and evolution of galaxies. We propose to exploit a new technique to systematically probe the major gas flows in galaxy mergers: metallicity gradients.

National Science Foundation \$1,500,586

Linear Avalanche HgCdTe Arrays for Photon Counting AO Wavefront Sensing

Hall, Donald N Institute for Astronomy

We propose to adapt , and optimize for AO wavefront sensing, linear avalanche photo diode (L-APD) sensors already developed through the nation's substantial military/aerospace investment in related sensors through an academic and industrial collaboration.

National Science Foundation \$3,850

Graduate Research Fellowship Program (GRFP) 2012

Brown, Daniel E Natural Sciences-UHH

Support for a graduate student at UH Hilo in their research endeavors

US Colleges and Universities

California Institute of Technology \$13,108

Laboratory Simulations of Subsurface Ice on Mars

Schorghofer, Norbert Institute for Astronomy

Dr. Schorghofer will collaborate with Principal Investigator Oded Aharonson on laboratory experiments in simulated Mars environments. He will carry out theoretical work for the planning and interpretations of these experiments, and visit Caltech regularly for collaboration.

Georgia, University of \$190,584

Functional Genomics of Maize Centromeres

Presting, Gernot G E Department of Molecular Biosciences and Bioengineering

Three additional corn centromeres will be studied in the proposed work. Complete physical maps and sequence will be generated as permitted by current technology.

Pittsburgh, University of \$40,982

Computational Analysis of Noninvasive Ventilation

Tam, Elizabeth K Department of Medicine

We will develop educational software to characterize clinician practice patterns and improve practitioners performance and patient safety.

Gifts, Grants, and Contracts for August 2011

Research

US Colleges and Universities

Tulane University of Louisiana \$24,946

Coordinating Center for the Pediatric HIV/AIDS Cohort Study

Gerschenson, Mariana Department of Cell and Molecular Biology

Dr. Gerschenson is a protocol team member for the Pediatric HIV/AIDS Cohort Study. She will be reviewing and developing concept studies and planning the scientific agenda.

Utah State University \$97,064

Control of Bacterial Wilt of Ginger through an Integrated Pest Management Program

Miyasaka, Susan C Department of Tropical Plant and Soil Sciences

Edible ginger is a high-value crop in Hawaii. Bacterial wilt of ginger (caused by *Ralstonia solanacearum* race 4) has caused a precipitous decline in production since 1992-93. The overall project objective is to restore ginger production in Hawaii through development and demonstration of sustainable farming practices.

Subcount: 121 Subtotal: \$28,798,948

Non-Research

DA-Dept of Agriculture

Agriculture, Dept - FED \$50,170

Survey and Detection of Coconut Pests in Hawaii

Hara, Arnold H Hawaii Institute of Geophysics and Planetology

The objective of this project is to support efforts for early detection of coconut pests in Hawaii, to include but not limited to red palm mite, red palm weevil, and coconut rhinoceros beetle, and to enable a response to be launched should these pests be detected within Hawaii.

Agriculture, Dept - Forest Service-FED \$51,000

IPIF Support for Pacific Internship Programs for Exploring Sciences (PIPES)

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

Identify, recruit and mentor undergraduate college interns from underserved communities so that they might become familiar with issues and careers in natural resource ecology and management

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Adm for Children & Families (ACF) \$535,000

Pacific Basin University Centers for Excellence

Stodden, Robert A Center on Disability Studies

The Pacific Basin University Center for Excellence (PBUCE) in Developmental Disabilities achieves its goals through governance, technical assistance & mentorship activities, to further develop the capacity of the Centers to fulfill the requirements of DD Act and basic management/organizational administration components.

Health & Human Svc, Dept - Ctrs for Disease Cntrl & Prvntn (CDC) \$472,562

NPCR Planning Grant - Pacific Regional Central Cancer Registry

Buenconsejo-Lum, Lee Department of Family Medicine and Community Health

Work with the US Affiliated Pacific Island (USAPI) Jurisdictions to develop the capacity for a cancer registry in each jurisdiction and the USAPI Pacific Region. This will improve the quality of cancer-related health information and ultimately improve the quality of health care provided in each of the USAPI jurisdictions.

Gifts, Grants, and Contracts for August 2011

Non-Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA)	\$595,000
<u>Hawaii MCH Leadership Education in Neurodevelopment and Related Disorders</u>	
Iwaishi, Louise K	Department of Pediatrics
Interdisciplinary leadership training for advanced graduate students in maternal child health.	
Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA)	\$74,991
<u>IDT Team Training to Improve Nursing Home Patient Care for Eating Problems</u>	
Bell, Christina	Department of Geriatric Medicine
The proposed plan will allow me to develop skills in interdisciplinary team training, culturally sensitive teaching, health care delivery, and to improve the nursing home care of patients with eating problems.	
Health & Human Svc, Dept/HRSA - Ofc of Rural Hlth Policy	\$334,984
<u>Pacific Basin Telehealth Resouce Center</u>	
Bursell, Sven-Erik	Social Science Research Institute
Seeks to develop a resource center to assist healthcare organizations, health care networks, and health care providers in implementing cost-effective telehealth programs serving rural and medically under-served areas and populations.	
Health & Human Svc, Dept/NIH - Fogarty International Center	\$200,026
<u>Training of Cameroonian Scientists in Research on Malaria</u>	
Taylor, Diane W.	Dept of Trop Med, Medical Microbiology and Pharmacology
This is a training grant that propose to train Cameroonian scientists to conduct research on malaria.	
Health & Human Svc, Dept/NIH - Natl Cancer Institute	\$521,826
<u>Nutritional & Behavioral Cancer Prevention in a Multiethnic Population</u>	
Maskarinec, Gertraud	UH Cancer Center
Grant will support postdoctoral training in cancer prevention and control research led by faculty at the Cancer Research Center of Hawaii and collaborators elsewhere at the University and health care organizations in Honolulu.	
Health & Human Svc, Dept/NIH - Natl Ctr for Rsch Resources	\$238,856
<u>Pacific Education and Research for Leadership in Science (PEARLS)</u>	
Withy, Kelley Marie	Department of Complementary and Alternative Medicine
To increase science knowledge and interest in science careers through an inquiry based science curriculum for 7th and 8th grade students in the Pacific region. Additional funding is requested for travel, curricular supplies and staff time to provide teacher training in the rural and isolated areas of the Pacific. The planned activities include expanded foundational science teacher education and train-the-trainer seminars.	
Health & Human Svc, Dept/NIH - Natl Inst of Diabetes,Digestive,Kidney Dis	\$130,615
<u>The Exocyst in Kidney Development and Cyst Formation</u>	
Fogelgren, Benjamin	Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
Autosomal dominant polycystic kidney disease (ADPKD), affecting 500,000 Americans, is the most common potentially lethal genetic disease and is characterized by cystic overgrowth that destroys the kidney. A cellular organelle called the primary cilium has been implicated in the pathogenesis of ADPKD, and in the application, we propose to analyze the exocyst protein complex, which is critical for cilia function, in kidney development and cyst formation.	

Gifts, Grants, and Contracts for August 2011

Non-Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Inst of Diabetes,Digestive,Kidney Dis \$196,606

Multimedia Intervention to Motivate Ethnic Teens to be Designated Organ Donors

Albright, Cheryl L. UH Cancer Center

Recruit teen groups from church and high school clubs, n = 38 groups; 500 teens, Deliver Interactive Multimedia Intervention to clubs in this condition and deliver comparison intervention - on prevention of Underage Drinking of Alcohol - for this condition. Assess designated organ donor status on driver's license/ID and family discussions.

DOC-Dept of Commerce

Commerce, Dept - Minority Business Dev Agency-FED \$197,000

Honolulu Minority Business Center, April 1, 2011 to March 31, 2016

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 enterprises located in Hawaii.

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$45,000

Service Agreement for Pier Space and Shore Support for MOBY, Year 14

Shor, Alexander N School of Ocean and Earth Science and Technology

Provide outdoor work and storage area and support facilities including electricity, water and trash removal for the Marine Optical Buoy (MOBY) project, a research project supported by NOAA that uses research vessels operated by University of Hawaii.

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$11,000

Hawaiian Monk Seal Protection Partition and Haul Out at the Waikiki Aquarium

Rossiter, Andrew Waikiki Aquarium

The Waikiki aquarium (WAQ) will be responsible for the construction and installation of a partition in the existing Hawaiian monk seal exhibit, and a haul out in the Hawaiian monk seal rehabilitation unit in the quarantine area at the Aquarium

DOI-Dept of Interior

Interior, Dept - U.S. Fish & Wildlife Service \$58,447

UH HIP Association with PIPES

Ziegler-Chong, Sharon Pacific Aquaculture-UHH

ED-Dept of Education

Education, Dept - FED \$171,758

Proposal to Continue Funding of the UH National Foreign Language Resource Center (NFLRC), 2010-2014, under the Language Resource Centers Program

Schmidt, Richard W Department of Second Language Studies

The National Foreign Language Resource Center will continue to serve as a resource to improve the nation's capacity to teach and learn foreign languages effectively through projects, publications, and professional development activities, with a focus on less commonly taught languages, particularly of Asia and the Pacific.

Gifts, Grants, and Contracts for August 2011

Non-Research

ED-Dept of Education

Education, Dept - FED \$695,843

Kaiaulu STEM: Advancing Native Hawaiian Achievement, Leadership, and Career Pathways in Science, Technology, Engineering, and Mathematics

Kaakua, Joshua College of Engineering

Outreach, scholarship, and student support program for Native Hawaiian pre-college, community college, undergraduate, and graduate students in the fields of Science, Technology, Engineering, and Mathematics.

Education, Dept - FED \$540,000

UHM GEAR UP Waipahu

Masters, Patricia Lee Vice Chancellor for Student Affairs

GEAR UP Waipahu provides 675 low-income middle school students access to rigorous academic preparation and financial information to enter and succeed in postsecondary education. The program features an innovative language and culture education program, an online learning initiative, a strong parent involvement component, tutoring, mentoring, and professional development.

Education, Dept - FED \$150,000

Strengthening Rehabilitation Counselor Ed. in a Global Networked Environment

Cartwright, Brenda Y Department of Counselor Education

To address the nation's continuing rehabilitation personnel needs by providing a master's level online training program to increase the number of qualified rehabilitation counselors and to upgrade the skills of practicing rehabilitation professionals available for employment in the State-Federal Rehabilitation System.

Education, Dept - FED \$813,740

Piha Pono: A Robust RTI Approach Integrating Reading, Mathematics and Behavior Supports

Lai, Morris K Curriculum Research and Development Group

The Curriculum Research & Development Group will develop, implement, and evaluate a Response to Intervention curricular approach integrating reading, mathematics, and behavior supports in 10 Hawaii elementary schools through a collaboration with the Hawaii Department of Education and by partnering with a Native Hawaiian Education Program grant.

Education, Dept - FED \$506,738

Growing Pono Schools (GPS)

Roberts, Kelly D Center on Disability Studies

The goal of Growing Pono Schools (GPS) is to improve the academic outcomes of NH youth and participating school climates. This will be accomplished through the development, implementation, and evaluation of an advisory and character education curriculum, supported by the development of a video production guild, for use with elementary, middle/junior high, and high school students.

Education, Dept - FED \$447,486

Kakau Mea Nui (Writing Matters) Project

Stodden, Norma Jean Center on Disability Studies

The purpose of the proposed Kakau mea nui (Writing Matters) Project is to change teachers' attitudes, knowledge, and skills for teaching writing, thus impacting upon NH students writing proficiency.

Education, Dept - FED \$512,447

Hawaii Preschool Positive Engagement Project (HPPEP)

Johnson, Jean Lee Center on Disability Studies

The project aims for 1) Sustained improvements in early learning outcomes, 2) Strengthened protective factors for families and children, and 3) Increased and sustained employment of teachers and staff in the Early Education field.

Gifts, Grants, and Contracts for August 2011

Non-Research

ED-Dept of Education

Education, Dept - FED \$396,756

Hawaii Transition/Dual Enrollment with Individualized Supports Model for Students with Intellectual Disabilities

Stodden, Robert A Center on Disability Studies

A demonstration model project for students with intellectual disabilities which provides individualized supports and services for academic and social inclusion in all aspects of postsecondary education, including opportunities for academic enrichment, socialization, independent living and work skills that lead to gainful work.

Education, Dept - FED \$293,719

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

Kim-Rupnow, Weol Soon Center on Disability Studies

Our purpose is to develop, provide, and evaluate high-quality Professional Development (DP) activities that will result in improved academic achievement with enhanced English skills and motivation of ESL students.

Education, Dept - FED \$77,491

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

Roberts, Kelly D Center on Disability Studies

Provide Technical Assistance and Training to service providers, families, and youth in the state of Hawaii - associated with Deaf-Blindness.

Education, Dept - FED \$92,000

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

Roberts, Kelly D Center on Disability Studies

Provide Technical Assistance and Training to service providers, families, and youth throughout the Pacific Jurisdictions - associated with Deaf-Blindness.

Education, Dept - FED \$268,193

Mohala Na Pua

Yamauchi, Lois A Department of Educational Psychology

The project will (a) promote scientific thinking and access to science education among young Hawaiians, (b) provide high quality professional development to early childhood educators serving Hawaiian children in prekindergarten and Grade K-1, and (c) study what promotes preschool and elementary teachers collaborating to promote Hawaiian children's transition to kindergarten.

Education, Dept - FED \$770,774

Place-Based Learning and Community Engagement in School (PLACES)

Fukuda, Kay L Student Equity, Excellence, and Diversity

The project will improve the academic achievement and school engagement of over 500 students from Waianae Elementary School through the implementation and evaluation of place-and culture-based curriculum that addresses reading, science, and social studies; the provision of ongoing professional development of teachers; and the involvement of key community organizations.

Education, Dept - FED \$416,780

Upward Bound Program, Yr 1

Woods, Leonard Vice Chancellor for Student Affairs-UHH

Gifts, Grants, and Contracts for August 2011

Non-Research

Foreign

American Samoa, Govt of	\$1,183,853
<u>American Samoa Territorial Teacher Training Assistance Project - 2011</u>	
Zuercher, Deborah	College of Education
To provide a Bachelor of Education degree and teacher certification to upgrade the skills of inservice teachers in American Samoa.	
American Samoa, Govt of	\$273,130
<u>2011 Sped Cohort Program</u>	
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.	
American Samoa, Govt of	\$210,780
<u>American Samoa Interdisciplinary Studies</u>	
Stodden, Robert A	Center on Disability Studies
Development and delivery of University of Hawaii coursework specifically designed for High School Special Education teachers to obtain their degree in Interdisciplinary Studies.	
American Samoa, Govt of	\$183,958
<u>Special Education Teachers Certification Program</u>	
Stodden, Robert A	Center on Disability Studies
Develop 3 certificate areas for teacher professional development & deliver each of these certificates. (Certificates: Behavioral Intervention with a focus on Autism Spectrum Disorders, Learning Disabilities with Response to	
Dar es Salaam, University of (country: Tanzania)	\$56,700
<u>Graduate Assistant (GA) Support for W. Kidima</u>	
Taylor, Diane W.	Dept of Trop Med, Medical Microbiology and Pharmacology
Stipend support for Ms. W. Kidima is requested so she can complete a PhD degree.	
J.F. Oberlin University	\$2,072
<u>Japanese Language Teaching Practicum Program for Obirin University</u>	
Tateyama, Yumiko	Department of East Asian Languages and Literatures
Under the principal investigator's supervision, the participants in the program will develop lesson plans, instructional materials, and teach Japanese; develop assessment materials, participate in weekly seminar discussions; observe Japanese courses and write reports.	

Hawaii- Business and Other

Hawaii Council for the Humanities	\$5,000
<u>Yin-Yang Philosophical Influences on Chinese Imperial Costume Design</u>	
Lin, Shu	Department of Family and Consumer Sciences
The objective of this project is to examine Qing Dynasty official court dress in terms of the yin-yang philosophy and its influence on official court dress design elements. The concept of yin-yang is a primary guideline for Chinese medicine, and is an important principle of Chinese martial arts and exercise.	

Gifts, Grants, and Contracts for August 2011

Non-Research

Hawaii- Business and Other

Le Jardin Academy \$40,151
University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program ; Le Jardin Academy
Kimura, Iris F Kinesiology and Leisure Science Department
Advanced education & research internship experience: A Board of Certification Athletic Trainer will participate in clinical experiences in order to enhance the educational and research application of athletic training/sports medicine practices.

Hawaii- Dept of Education

Education, Dept - HI \$10,000
To Plan, Develop and Implement a Business and Marketing Plan Competition
Roley, V. Vance Shidler College of Business
Provide administrative support to organize the 2010 High School Marketing Plan and Business Plan Competitions.

Hawaii- Government Agencies

Agriculture, Dept - HI \$30,006
Hawaii Pesticide Applicator Certification Training and Education Program 2011-2012
Nagamine, Charles Y Department of Plant and Environmental Protection Sciences
Provide education, training and publicity services to support Hawaii Department of Agriculture's regulatory program for testing, certification and recertification of applicators of restricted use pesticides.

Business, Econ Dev & Tourism, Dept (DBEDT) - HI \$30,000
Climate Change Workshop
Dator, James Allen Department of Political Science
This workshop is intended as a brainstorming session for policy makers and experts in climate change in Hawaii. The Hawaii Research Center for Futures Studies will be conducting the facilitation, providing four alternative scenarios for Hawaii in 2060, and a final report which will be used to draft a bill for the future of climate change policy for Hawaii.

City & County of Honolulu \$5,000
2011 Manoa Jazz & Heritage Festival
Slaughter, Timothy Roy Outreach Community Programs

City & County of Honolulu \$448,230
Hanauma Bay Education Program 2008-12
Okimoto, Darren K Sea Grant College Program
To provide technical and professional services to develop and manage and educate and interpretative program for the Hanauma Bay Nature Preserve.

County of Maui - Ofc of Economic Development \$2,000
SLIM "Lighten Your Footprint" Public Service Announcement
Sakamoto, Clyde M Chancellor, University of Hawaii Maui College
SLIM proposes a PSA, that encourages visitors to Maui to "lighten their footprints" as they visit our island. We will assemble a 10 minute PSA to be shown on incoming flights and other tourists media, with the potential for 250,000 viewers each month.

Gifts, Grants, and Contracts for August 2011

Non-Research

Hawaii- Government Agencies

Defense, Dept - Civil Defense-HI	\$25,000
<u>Request to State of Hawaii Civil Defense Division to Support Publication of the University of Hawaii Sea Grant College Program's "Homeowner's Handbook to Prepare for Natural Hazards" - 2nd Edition</u>	
Hwang, Dennis	Sea Grant College Program
Printing of approximately 10,000 copies of "Homeowner's Handbook to Prepare for Natural Hazards - 2nd Edition."	
Health, Dept - Adult Mental Health-HI	\$352,109
<u>Child Clinical and Admin Services - CAMHD</u>	
Guerrero, Anthony P	Department of Psychiatry
Provide psychiatric services to the Department of Health, Child, and Adolescent Mental Health Division as outlined	
Health, Dept - Child & Adolescent Mntl Hlth Div-HI	\$82,580
<u>Clinical Therapy & Assessment, Department of Health</u>	
Nakamura, Brad J	Department of Psychology
To provide psychological treatment and assessment of children struggling with emotional and/or behavioral difficulties. This project trains graduate student clinicians and offers children and families needed psychological services.	
Health, Dept - Child & Adolescent Mntl Hlth Div-HI	\$123,884
<u>Subproject for Institution # 20100767</u>	
Nakamura, Brad J	Department of Psychology
Health, Dept - Child & Adolescent Mntl Hlth Div-HI	\$131,877
<u>School of Social Work - Project Ohana Ho'oikaika</u>	
Morelli, Paula T	School of Social Work
Develop and provide case management curricula, training and services provide clinical supervision of 2-3 student trainees.	
Health, Dept - HI	\$125,000
<u>Sexual Violence Prevention Project</u>	
Quemuel, Christine A	Vice Chancellor for Student Affairs
The UHM Women's Center will pilot the development of a model for permanent campuses infrastructure to address sexual violence prevention and victim services at Hawaii Community College and Honolulu Community College, followed by implementation at all other UH campuses in following years.	
Health, Dept - HI	\$75,300
<u>Education Research Services for the Implementation of the Synar Amendment</u>	
Steffen, Alana D	UH Cancer Center
A scientific sample of tobacco retail outlets will be visited by undercover minors and volunteer adults. The minors will attempt to purchase tobacco in each of the outlets. Sales statistics will be collected and reported.	

Gifts, Grants, and Contracts for August 2011

Non-Research

Hawaii- Government Agencies

Health, Dept - State Office of Rural Health-HI	\$50,000
<u>Health Information Technology Course Planning and Development</u>	
Okamura, Norman H	Social Science Research Institute
Develop a sequence of Graduate and Training courses in Healthcare Informatics, manage and administer the courses through the Outreach College, design the courses for deliver through distance learning to students on the neighbor islands, research appropriate delivery mechanism and implementation of most appropriate mode.	
Transportation, Dept - HI	\$86,878
<u>SAFETEA-LU 2010 Motorcycle Safety Grant</u>	
Umehira, Ronny T	Chancellor, Leeward Community College
Provide State of Hawaii approved motorcycle safety training program courses on the islands of Kauai, Maui and Hawaii Island. Refurbish/reutilize existing resources and provide instructor training.	

Hawaii- Health Organizations

Hawaii Medical Service Association Fdn	\$25,000
<u>"5.2.1.0 Let's Go" Digital Video Development Project</u>	
Takahashi, Ronald K	Chancellor, Kapiolani Community College
Production of video content for videos of "5210" theme song and dance exercise, and flash mob performance to be disseminated through the 5210 website, "Share Your Table" television channel, social media targeting children and youth.	
Queen's Medical Center	\$2,545
<u>Reimbursement Agreement - FY2011, Agreement No. SF11-QEC-SURG</u>	
Takanishi, Danny M Jr.	Department of Surgery
Agreement to provide physician and physician related services for Fiscal Year 2011.	
Straub Clinic & Hospital	\$48,847
<u>University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program - Straub</u>	
Kimura, Iris F	Kinesiology and Leisure Science Department
Advanced education & research internship experience: A Board of Certification Athletic Trainer will participate in clinical experiences in order to enhance the educational and research application of athletic training/sports medicine practices.	
Waianae Coast Comprehensive Health Ctr	\$118,668
<u>Waianae Health Academy - Ola Loa Ka Na'auao - 09/01/11 - 08/31/12</u>	
Umehira, Ronny T	Chancellor, Leeward Community College
Provide a Pre Health/Bridge program; a Substance Abuse Counseling program of study; a Community Health Worker I & II program of study; a Program Information Session for each program of study; student support services; and instruction for the Waianae Health Academy.	

Hawaii- Non-Profit Organizations

General Contractors Association Education Foundation	\$126,174
<u>Construction Management Program</u>	
Llewellyn, Clark	School of Architecture
To support the bachelor's degree in the interdisciplinary arts with emphasis in construction management program at the school of architecture.	

Gifts, Grants, and Contracts for August 2011

Non-Research

Hawaii- Non-Profit Organizations

Hau'oli Mau Loa Foundation	\$59,500
<u>The Coordinating Group on Alien Pest Species (CGAPS)</u>	
Duffy, David C	Department of Botany
Coordinate cooperation between various partners to close gaps in invasive species control.	
Hawaii Community Foundation (HCF)	\$7,000
<u>UHH Visiting Artist Program 2012</u>	
Marshall, Michael D	Art Dept-UHH
Artist-in-residence programs at UH Hilo to provide unique educational and cultural resources for student and community residents.	
PAC 5	\$20,876
<u>University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program - PAC 5</u>	
Kimura, Iris F	Kinesiology and Leisure Science Department
Advanced education & research internship experience: A Board of Certification Athletic Trainer will participate in clinical experiences in order to enhance the educational and research application of athletic training/sports medicine practices.	
University of Hawaii Foundation	\$20,095
<u>Center for Creative Leadership Graduate Student Support</u>	
Bhawuk, Dharm P S	Department of Management and Industrial Relations
To support the salary and fringe for a Graduate Assistant to be mentored by Dr. Dharm Bhawuk.	
University of Hawaii Foundation	\$1,007,477
<u>Moore Foundation Award: 2008-2012</u>	
Karl, David M.	Department of Oceanography
To support David Karl and his research in marine microbiology.	
University of Hawaii Foundation	\$4,000
<u>Glass Visiting Lecturer</u>	
Chan, Gaye M G	Department of Art and Art History
Funds to pay visiting lecturer to teach a Glass class during the Fall 2011 semester.	
University of Hawaii Foundation	\$5,400
<u>East Asian Buddhism Professorship</u>	
Kipnis, Kenneth	Department of Philosophy
To pay for salary and fringe benefits to hire the East Asian Buddhist Professor as a lecturer in the Philosophy Dept./College of Arts & Humanities.	
University of Hawaii Foundation	\$7,924
<u>Let's Move Hawaii 5-2-1-0 Initiative</u>	
Okiihiro, May	Department of Pediatrics

Gifts, Grants, and Contracts for August 2011

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$32,005
Hawaii 5210 Initiative
Okihiro, May Department of Pediatrics

University of Hawaii Foundation \$39,758
Let's Move Hawaii
Okihiro, May Department of Pediatrics

Mainland- Business and Other

Eli Lilly & Company \$38,291
H8O-CA-GWCE: "Effect of Exenatide on Abdominal Fat Distribution in Patients with Type 2 Diabetes Pretreated with Metformin"
Arakaki, Richard F Department of Medicine

The primary objective of this study is to compare the effect of exenatide versus matching placebo, given twice daily by subcutaneous injection for 6 months, on the percentage change in the abdominal visceral fat content as measured by CT scan in overweight patients with Type 2 Diabetes who have failed to achieve adequate glycemic control with metformin.

National Geographic Society \$39,330
Hawai'i Geographic Alliance - 2011
Moniz, Jeffrey Institute for Teacher Education

To reestablish a Geographic Alliance in Hawai'i aimed at improving the geographic literacy of K-12 students by improving geography instruction throughout the K-12 system.

Space Telescope Science Institute \$105,344
Hubble Postdoctoral Fellowship: Caitlin Casey
Sanders, David Bruce Institute for Astronomy

Hubble Postdoctoral Fellowship: Caitlin Casey: "Toward a Complete Census of Starburst Activity in the Early Universe" Year one of three.

Space Telescope Science Institute \$105,344
Hubble Postdoctoral Fellowship - Henry Hsieh
Meech, Karen J Institute for Astronomy

Hubble Postdoctoral Fellowship - Henry Hsieh: "A Multifaceted study of Icy Bodies in the Inner Solar System: Year one of three.

Mainland- Health Organizations

Children's Hospital Los Angeles \$810
Kids Seek Cure for Kids
Yamazaki, Yukiko Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
Our goal is to determine effect of CYP25B1 on sex differentiation in mouse fetal germ cells.

Gifts, Grants, and Contracts for August 2011

Non-Research

Mainland- Health Organizations

Kaiser Permanente \$1,500
Kaiser Permanente Summer Internship Program
Varley, Richard Shidler College of Business
The Shidler College of Business internship director will be the assigned faculty to facilitate and grade this internship opportunity. the director will handle all administrative responsibilities.

Mainland- Non-Profit Organizations

American Society for Engineering Education \$3,144
SMART Defense Scholarship for Thomas Ryan Swindle
Sanders, David Bruce Institute for Astronomy
The SMART Program pays full tuition and mandatory fees for Thomas Ryan Swindle, made on behalf of the Department of Defense (DoD) by the American Society for Engineering Education (ASEE).

National Council of Architectural Registration Boards \$3,000
2010 NCARB Grant for Integration of Practice
Noe, Joyce M School of Architecture
This proposal seeks funding for two practicing architect to teach undergraduate students "the responsibility to address cultural, environmental, and social diversity: via their distinctive design methodologies through a Professional Treasures course in Spring 2011. Results of the goal to connect practice and education learning will be published.

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$575,000
The Hawaii Space Grant Consortium: 2010 Augmentation Proposal
Flynn, Luke Paul Hawaii Institute of Geophysics and Planetology
The proposed effort outlines a 5-year plan for the Hawaii Space Grant Consortium to continue its support of NASA's strategic goals, NASA science education and workforce development activities.

National Aeronautics & Space Administration \$30,000
Developing 60Fe-60Ni Chronometry to Investigate Early Solar System Processes
Huss, Gary Robert Hawaii Institute of Geophysics and Planetology
This project will support the PhD thesis research of Myriam Telus. She is studying the 60Fe-60Ni system to determine the timing of events in the early solar system. She will use the Cameca ims 1280 ion microprobe in the W. M. Keck Cosmochemistry Laboratory for this work.

National Science Foundation

National Science Foundation \$783,619
IRNC: ProNet - TransLight / Pacific Wave
Lassner, David K Information Technology Services
Serve as the lead institution for TransLight / Pacific Wave, which provides the major U.S. national capability to interconnect and exchange traffic with and among international research and education networks throughout the Pacific Rim.

Gifts, Grants, and Contracts for August 2011

Non-Research

National Science Foundation

National Science Foundation \$449,992

TCUP Ecological Ahupuaa Monitoring in Urban Polynesia (TEAM-UP)

Richards, Leon Chancellor, Kapiolani Community College

To establish a Native Hawaiian student support system modeled after an ahupuaa to increase the number of Native Hawaiian graduates in Life Sciences, ASNS degrees, and to prepare students for transfer to the University of Hawaii at Manoa or Hilo.

National Science Foundation \$124,994

Cliometrics Conferences in 2012, 2014 and World Congress in 2013

La Croix, Sumner J Social Science Research Institute

This proposal asks the NSF to continue its support of cliometric research by sponsoring and providing significant funding for conference and travel expenses for most participants at the 2012 and 2014 annual Cliometrics Conferences and for graduate student presenters at the 2013 World Congress in Honolulu, HI.

National Science Foundation \$110,500

Graduate Research Fellowship Program

Cooper, Patricia A Graduate and Professional Education

To provide graduate students the opportunity to further their education by funding their research projects.

National Science Foundation \$66,000

Upgrade of the Paleomagnetism and Petrofabrics Laboratory of the University of Hawaii at Manoa

Herrero-Bervera, Emilio Hawaii Institute of Geophysics and Planetology

Purchase of paleomagnetic equipment.

National Science Foundation \$199,948

Kahua A'o, A Learning Foundation: Using Hawaiian Language Newspaper Articles for Place and Culture-based Geoscience Teacher Education and Curriculum Development

Chinn, Pauline W Department of Curriculum Studies

Hawaiian newspaper articles referencing Earth science phenomena, e.g., volcanic eruptions, tsunamis, rain, storms, drought, will be translated into English and employed as a foundation for developing standards and place-based curricula used in K-12 preservice and in-service teacher education.

US Colleges and Universities

California Davis, University of \$17,500

Western Integrated Pest Management Center Regional Comments Coordinator for the American-Affiliated Pacific Islands

Kawate, Michael K Department of Plant and Environmental Protection Sciences

To inform stakeholders in the American Pacific about impending pesticide regulatory actions; to solicit stakeholders responses and comments to US EPA and USDA requests for information about pesticide use and impacts of proposed regulatory changes.

California Institute of Technology \$108,477

Witnessing Planet Formation in Circumstellar Transition Disks - Sagan Postdoctoral Fellowship - L. Cieza

Williams, Jonathan P. Institute for Astronomy

We are now on the verge of being able to observe ongoing planet formation in primordial circumstellar disks. One of the main goals is to identify systems with strong evidence of ongoing planet formation in several nearby star-forming regions with Keck, the SMA, ALMA and Herschel.

Gifts, Grants, and Contracts for August 2011

Non-Research

US Colleges and Universities

Harvard University \$45,575

Institute for Astronomy Support For Christopher Beaumont

Williams, Jonathan P. Institute for Astronomy

Christopher Beaumont will be working with Harvard Professor Alyssa Goodman at the Harvard Center for Astrophysics (CfA) on a collaborative project as part of this PhD thesis research. He will be analyzing data from mauna Kea telescopes and comparing with numerical simulations and other observational data.

Minnesota, University of \$8,333

Workforce Training for the Electric Power Sector

Kuh, Anthony Department of Electrical Engineering

This grant involves working with a consortium of eighty Universities led by the University of Minnesota to develop undergraduate power and energy laboratories. At the University of Hawaii we will develop new power systems and power electronic laboratories.

Subcount: **89**

Subtotal: **\$17,742,286**

Count: **210**

Total: **\$46,541,234**

Funds Received from UH Foundation for 08/01/2011 - 08/31/2011

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$20,095
"Center for Creative Leadership Graduate Student Support"	
Bhawuk, Dharm P S	Department of Management and Industrial Relations
To support the salary and fringe for a Graduate Assistant to be mentored by Dr. Dharm Bhawuk.	
University of Hawaii Foundation	\$4,000
"Glass Visiting Lecturer"	
Chan, Gaye M G	Department of Art and Art History
Funds to pay visiting lecturer to teach a Glass class during the Fall 2011 semester.	
University of Hawaii Foundation	\$1,007,477
"Moore Foundation Award: 2008-2012"	
Karl, David M.	Department of Oceanography
To support David Karl and his research in marine microbiology.	
University of Hawaii Foundation	\$5,400
"East Asian Buddhism Professorship"	
Kipnis, Kenneth	Department of Philosophy
To pay for salary and fringe benefits to hire the East Asian Buddhist Professor as a lecturer in the Philosophy	
University of Hawaii Foundation	\$32,005
"Hawaii 5210 Initiative"	
Okihiro, May	Department of Pediatrics
University of Hawaii Foundation	\$39,758
"Let's Move Hawaii"	
Okihiro, May	Department of Pediatrics
University of Hawaii Foundation	\$7,924
"Let's Move Hawaii 5-2-1-0 Initiative"	
Okihiro, May	Department of Pediatrics

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$2,100
"Spam Maps: Contemporary Asia Pacific Art and Economics"	
Hamilton, Jaimey E	Department of Art and Art History
Funds to pay salary and fringe for graduate student to assist with research and preparation of book for Spam Maps	

Funds Received from UH Foundation for 08/01/2011 - 08/31/2011

Count: 8

Total: \$1,118,759

**Extramural Research Awards
for the Month of
August 2011
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	5	\$472,570	1.64%
DHHS-Dept of Health and Human Services	14	\$10,301,657	35.77%
DOC-Dept of Commerce	20	\$6,346,507	22.04%
DOD-Department of Defense	2	\$1,848,227	6.42%
DOI-Dept of Interior	7	\$369,679	1.28%
ED-Dept of Education	2	\$759,582	2.64%
Foreign	2	\$70,365	0.24%
Hawaii- Business and Other	3	\$261,143	0.91%
Hawaii- Government Agencies	12	\$935,644	3.25%
Hawaii- Health Organizations	1	\$79,683	0.28%
Hawaii- Non-Profit Organizations	8	\$326,217	1.13%
Mainland- Business and Other	5	\$138,544	0.48%
Mainland- Non-Profit Organizations	2	\$130,101	0.45%
National Aeronautics and Space Administration	11	\$1,607,567	5.58%
National Science Foundation	22	\$4,784,778	16.61%
US Colleges and Universities	5	\$366,684	1.27%
Total:	<u>121</u>	<u>\$28,798,948</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
August 2011
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	2	\$101,170	0.57%
DHHS-Dept of Health and Human Services	10	\$3,300,466	18.60%
DOC-Dept of Commerce	3	\$253,000	1.43%
DOI-Dept of Interior	1	\$58,447	0.33%
ED-Dept of Education	15	\$6,153,725	34.68%
Foreign	6	\$1,910,493	10.77%
Hawaii- Business and Other	2	\$45,151	0.25%
Hawaii- Dept of Education	1	\$10,000	0.06%
Hawaii- Government Agencies	14	\$1,567,864	8.84%
Hawaii- Health Organizations	4	\$195,060	1.10%
Hawaii- Non-Profit Organizations	11	\$1,330,209	7.50%
Mainland- Business and Other	4	\$288,309	1.62%
Mainland- Health Organizations	2	\$2,310	0.01%
Mainland- Non-Profit Organizations	2	\$6,144	0.03%
National Aeronautics and Space Administration	2	\$605,000	3.41%
National Science Foundation	6	\$1,735,053	9.78%
US Colleges and Universities	4	\$179,885	1.01%
Total:	<u>89</u>	<u>\$17,742,286</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/11 - 08/31/11
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	5	\$472,099	0.94%
DHHS-Dept of Health and Human Services	29	\$20,168,583	40.10%
DOC-Dept of Commerce	33	\$7,648,725	15.21%
DOD-Department of Defense	6	\$4,103,147	8.16%
DOI-Dept of Interior	8	\$413,996	0.82%
ED-Dept of Education	2	\$759,582	1.51%
Foreign	5	\$701,583	1.39%
Hawaii- Business and Other	5	\$383,267	0.76%
Hawaii- Government Agencies	19	\$1,635,007	3.25%
Hawaii- Health Organizations	1	\$40,156	0.08%
Hawaii- Non-Profit Organizations	18	\$1,243,608	2.47%
Mainland- Business and Other	18	\$921,216	1.83%
Mainland- Health Organizations	2	\$97,972	0.19%
Mainland- Non-Profit Organizations	5	\$496,658	0.99%
National Aeronautics and Space Administration	23	\$4,577,856	9.10%
National Science Foundation	30	\$6,104,976	12.14%
US Colleges and Universities	11	\$527,897	1.05%
Total:	<u>220</u>	<u>\$50,296,328</u>	<u>100%</u>

Note: YTD amounts include adjustments.

**Extramural Non-Research Awards
Year to Date: 07/01/11 - 08/31/11
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	3	\$241,170	0.88%
DHHS-Dept of Health and Human Services	16	\$4,999,197	18.27%
DOC-Dept of Commerce	3	\$152,521	0.56%
DOD-Department of Defense	2	\$607,629	2.22%
DOI-Dept of Interior	1	\$58,447	0.21%
ED-Dept of Education	24	\$7,778,485	28.43%
Federal Agencies	1	\$16,454	0.06%
Foreign	8	\$2,182,762	7.98%
Hawaii- Business and Other	4	\$210,151	0.77%
Hawaii- Dept of Education	1	\$10,000	0.04%
Hawaii- Government Agencies	26	\$4,333,041	15.84%
Hawaii- Health Organizations	6	\$615,550	2.25%
Hawaii- Non-Profit Organizations	17	\$1,583,844	5.79%
Mainland- Business and Other	9	\$345,122	1.26%
Mainland- Health Organizations	2	\$2,310	0.01%
Mainland- Non-Profit Organizations	6	\$261,144	0.95%
National Aeronautics and Space Administration	2	\$605,000	2.21%
National Science Foundation	11	\$3,049,150	11.15%
US Colleges and Universities	8	\$305,472	1.12%
Total:	<u>150</u>	<u>\$27,357,449</u>	<u>100%</u>

Note: YTD amounts include adjustments.