

## Gifts, Grants, and Contracts for March 2011

The following gifts, grants and contracts received by all campuses during the period March 1, 2011 through March 31, 2011 total \$21,550,427. The unofficial FY 2011 year-to-date total is: \$399,077,112.

### Research

#### DA-Dept of Agriculture

Agriculture, Dept - Agricultural Research Svc-FED \$13,500

Feasible Analysis of Ohelo as a Specialty Crop for Hawaii

Nakamoto, Stuart T

Department of Human Nutrition, Food and Animal Sciences

To generate production, environmental and economic data for feasibility studies on ohelo berry as an ornamental and value added specialty crop for Hawaii

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

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$280,235

Capture the Inhibitor: Affinity Approaches to the Discovery of Secretase Leads

Williams, Philip

Department of Chemistry

Marine Alzheimer's Drug Discovery

Health & Human Svc, Dept/NIH - Natl Cancer Institute \$61,515

Urinary Estrogen Metabolites in a 2-year Soy Trial Among Premenopausal Women

Maskarinec, Gertraud

UH Cancer Center

The goal of this project is to perform additional analysis from a 2-year soy intervention among premenopausal women to examine the effect of soy foods on urinary estrogen metabolite patterns and to compare the effects of soy between women who produce equol and those who do not.

Health & Human Svc, Dept/NIH - Natl Cancer Institute \$2,183,839

Multiethnic Cohort Study of Diet and Cancer

Kolonel, Laurence N

UH Cancer Center

This project entails follow-up on a large group of subjects (215,000) in Hawaii and California, on whom lifestyle and dietary information was obtained from 1993-2008. By determining which subjects developed cancer, we will be able to identify factors leading to increased cancer risk.

Health & Human Svc, Dept/NIH - Natl Ctr on Minority Hlth & Hlth Disprty \$476,406

Pili 'Ohana Program: Partnerships to Overcome Obesity Disparities in Hawaii

Kaholokula, Joseph

Department of Native Hawaiian Health

This competing continuation proposal seeks funding for a 5-year intervention project on weight loss maintenance among Native Hawaiians and Pacific Peoples based on a community-based participatory research model.

Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis \$300,713

Mechanism of Activation of Innate Immunity by ISS-DNA

Chu, Wen-Ming

UH Cancer Center

Understand how innate immunity is activated by immunostimulatory DNA sequences (ISS-DNSs)

Health & Human Svc, Dept/NIH - Natl Inst of Biomed Imaging & Bioengrg \$249,136

Spectral Spatial Pulses for Gradient Echo MRI

Stenger, Victor Andrew

Department of Medicine

Magnetic resonance imaging (MRI) is a powerful and non-invasive technique for observing anatomy, structure, and function in the human body. However, there are challenges and obstacles in the form of image artifacts. The goal of this project is to develop techniques to reduce image artifacts in MRI.

# Gifts, Grants, and Contracts for March 2011

## Research

### DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Inst of Diabetes,Digestive,Kidney Dis \$293,625

Mechanism of Selenoprotein Synthesis

Berry, Marla J

Department of Cell and Molecular Biology

Selenium is present in crucial antioxidant and redox enzymes that function in all aspects of life, from early development though diseases associated with aging, and most biological processes in between. We are investigating how cells incorporate selenium into proteins for the optimum health of the organism.

### DOD-Department of Defense

Defense, Dept - Air Force \$20,000

Operations and Management of the Maui Supercomputing Center

Lassner, David K

Information Technology Services

Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

Defense, Dept - Air Force \$95,000

Operations and Management of the Maui Supercomputing Center

Lassner, David K

Information Technology Services

Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

Defense, Dept - Air Force \$254,000

Operations and Management of the Maui High Performance Computing Center

Lassner, David K

Information Technology Services

Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.

Defense, Dept - Air Force Ofc of Scientific Rsch \$188,020

Developing Cultural Analysis and Sociological Network Theory for Understanding Virtual Communities and their Intrinsic Relationships on the Web

Chai, Sunki

Department of Sociology

This project is aimed at the identification and characterization of virtual communities on the World Wide Web through the use of state-of-the art social science cultural and social network theories.

Defense, Dept - Office of Naval Research \$72,845

Radar Remote Sensing of the Mesoscale Flow Through Straits of the Philippines Archipelago

Flament, Pierre J

Department of Oceanography

Deployment of high frequency radars to measure surface currents in the straits of the Philippines as part of a large coordinated ONR experiment.

### Federal Agencies

Environmental Protection Agency \$299,956

Rapid Detection of Sewer Pipeline Problems Using Bacterial DNA Markers and Q-PCR Technology

Yan, Tao

Department of Civil and Environmental Engineering

The project will develop a DNA-maker based Q-PCR Technology for the identification of sewer pipeline problems. Specifically, the proposed work will deal with FOG accumulation and concrete crown corrosion in sewer pipelines.

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## Research

### Federal Agencies

Justice, Dept - FED \$249,299  
Safe Start Promising Approaches Project: Haupoa+MCBT, a Treatment Innovation  
Kanuha, Valli Department of Sociology  
Intervention research project to design & test treatment for children age 3-17 and their mothers who are exposed to domestic violence, in collaboration with Parents and Children Together, a family service agency in Honolulu

### Hawaii- Business and Other

East West Center \$8,229  
Cultural Archives Research for Pacific Climate Impacts Resource Guide Development  
Nogelmeier, Marvin Kawaihuelani Hawaiian Language Program  
A survey of Hawaiian-language archival resources will generate a database of audio and printed materials for use in the Pacific Climate Impacts Resource Guide. Selected materials will be translated for consideration. All research and translation will be carried out off-campus.

Oceanit Laboratories, Inc \$30,000  
Optical Design and Initial Mechanical Design to Support HANDS-IONS  
Hodapp, Klaus W Institute for Astronomy  
Develop the sensor system's optical design and initial mechanical design.

Papa Ola Lokahi \$125,866  
An Educational Intervention to Increase Cancer Screening of Seropositive Patients  
Kaopua, Lana Sue I School of Social Work  
Research goal is to increase cancer screening of seropositive patients, especially Native Hawaiians. Year 1 aims are to perform secondary data analyses on prevalence of cancer comorbidities and screening use, which will inform development. Intervention will be piloted for feasibility and suggested efficacy in Year 1.

### Hawaii- Government Agencies

Human Services, Dept - Hawaii Public Housing Authority-HI \$41,160  
HMIS Analysis and Dissemination Project  
Yuan, Sarah Center on the Family  
Data analysis of homeless in Hawaii and preparation of reports for wide dissemination.

Land & Natural Res, Dept - Div of Aquatic Resources-HI \$384,965  
Cooperative Conservation and Long-Term Management of Hawaiian Monk Seals and Sea Turtles and Their Habitat by Reducing Shoreline Disturbance and Nearshore Fishery Interactions  
Duffy, David C Department of Botany  
Support the conservation and recovery of Hawaiian monk seals, green turtles, and hawksbill turtles on the main Hawaiian Islands.

Land & Natural Res, Dept - Div of Forestry & Wildlife-HI \$60,000  
Maui District Endangered Species Research  
Duffy, David C Department of Botany  
Research and monitor endangered seabirds on Maui, Molokai, and Lanai in conjunction with statewide, multi-agency seabird recovery research, planning, and management.

# Gifts, Grants, and Contracts for March 2011

## Research

### Hawaii- Non-Profit Organizations

Coalition for a Tobacco Free Hawaii	\$249,923
<u>REAL: Hawaii Youth Movement Against Tobacco Use</u>	
Steffen, Alana D	UH Cancer Center
To raise awareness and educated Hawaii's youth about the manipulative targeting strategies used by the tobacco industry and to offer opportunities to take action.	
HCF-Leahi Fund	\$49,400
<u>Treatment of Childhood Emphyema in Hawaii</u>	
Erdem, Guliz	Department of Pediatrics
We will plan to identify the best treatment option for children with infected lung fluid in Hawaii. While doing this we will also identify germs causing the fluid collections and type them.	
Hawaii Crop Improvement Association	\$46,200
<u>Biology of Maize Chlorotic Mottle Virus in Hawaii: Identification of Insect Vectors, Transmission Mode, Vector Seasonability and Alternative Host Plants</u>	
Bressan, Alberto	Department of Art and Art History
This proposal addresses key questions that will facilitate the development of accurate management practices against the MCMV and its vectors and quantify the risk of viral infections in corn fields.	
Hui Malama i ke Kai Foundation	\$4,587
<u>Hui Malama o ke Kai</u>	
Sy, Angela	Office of Public Health Studies
Collect and analyze data on program activities for the Hui Malama o ke Kai program and provide other evaluation support as needed.	
Jean Estes Epstein Charitable Foundation	\$105,000
<u>Analysis of the Hif1alpha-Mediated Regulation of Telomerase in Adult Stem Cells</u>	
Allsopp, Richard	Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
This study intends to rigorously assess, using an appropriate animal model, the potential of a newly discovered candidate regulator of telomerase levels in adult stem cells as a therapeutic target to treat diseases associated with telomerase defects.	
University of Hawaii Foundation	\$18,724
<u>The Hawaii Initiative for Childhood Obesity Research and Education</u>	
Rudoy, Raul C	Department of Pediatrics
HICORE's mission is to provide leadership of a collaborative, multi-disciplinary effort in research and education on childhood/adolescent obesity in Hawaii. This effort will bring together individuals, community, and organizations in Hawaii, to understand and address the childhood obesity epidemic in Hawaii especially the most vulnerable of Hawaii's children and families.	
University of Hawaii Foundation	\$48,000
<u>Pineapple Research</u>	
Paull, Robert E	Department of Tropical Plant and Soil Sciences
To carry out applied research to address Hawaii's Pineapple Industry needs: Salaries and Fringe= \$44,000.00 Operations (Materials & Supplies)= \$4,000.00	

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## Research

### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$9,000  
Pineapple Research  
Paull, Robert E Department of Tropical Plant and Soil Sciences  
To carry out applied research to address Hawaii's Pineapple Industry needs: Salaries and Fringe= \$44,000.00  
Operations (Materials & Supplies)= \$4,000.00

### Mainland- Business and Other

Battelle Energy Alliance LLC. \$249,666  
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.

Boeing Company \$16,695  
Innovative Research and Optical Systems Support (IROSS) Program - Instrument and Systems Development for AEOS Telescope  
Kuhn, Jeffrey R. Institute for Astronomy  
The IfA will maintain the HiVIS instrument on AEOS and provide reduced data products from this instrument as required for the client. Routine hardware and software instrument upgrades will be completed.

CH2M Hill, Inc \$173,546  
Evapotranspiration in Hawaii  
Giambelluca, Thomas W Department of Geography  
We will develop an estimate of the spatial distribution of evapotranspiration (ET) for Hawaii and examine the amount and causes of seasonal and interannual variability of ET. Estimates will be derived from available satellite imagery of clouds and land surface characteristics, and tested using ground-based observations.

Concurrent Technologies Corp \$272,870  
Hawaii Undersea Military Munitions Assessment (HUMMA) SONAR Survey  
Edwards, Margo H. Hawaii Institute of Geophysics and Planetology  
Using HMRG sonar (IMI-120) aboard the KoK to survey the seafloor south of Pearl Harbor, Hawaii in search of munitions that were sea disposed at the end of World War II.

Gilead Sciences, Inc \$22,602  
A Multi-center, Randomized, Double-Blind, Double-Dummy, Phase 3 Study of the Safety and Efficacy of Ritonavir-Boosted Elvitegravir (EVG/r) Versus Raltegravir  
Shikuma, Cecilia M Department of Medicine  
To test experimental HIV drug therapy on human subjects.

MVSystems, Inc \$80,029  
Photoelectrochemical Hydrogen Production  
Liaw, Bor Yann Hawaii Natural Energy Institute  
An "energy economy" based on clean-burning hydrogen instead of fossil fuels will be an important part of our nation's future. In this research, the Hawaii Natural Energy Institute will be developing low cost photoelectrochemical devices to produce hydrogen directly from water using sunlight as the energy source.

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## Research

### Mainland- Business and Other

- Malin Space Science Systems \$14,275  
University of Hawai'i Participation in: MAHLI - MARS HandLens Imager for the Mars Science Laboratory  
Rowland, Scott K Hawaii Institute of Geophysics and Planetology  
This is the University of Hawai'i portion of a multi-institution proposal. The project will build, test, and operate on Mars, a camera for producing close-up images of rocks. These close-up images will allow the team to identify the rock types, and from this, be able to understand some of the geologic processes that have taken place on Mars.
- National Renewable Energy Lab \$49,719  
NMR Spectroscopy of Room Temperature Hydrogen Sorbents  
Jensen, Craig M Department of Chemistry  
Enhanced reversible hydrogen uptake in addition to simple, physisorption has been reported for a number of sorbent materials. We plan to investigate the nature of this "spillover" hydrogen by solid state, nuclear magnetic resonance spectroscopic methods.
- Space Telescope Science Institute \$53,694  
C10016+1609: The First (and the Last) Massive Cluster of Galaxies at  $z>0.5$   
Ebeling, Harald Institute for Astronomy  
We propose two-filter ACS observations of the core of C10016+1609, arguably the most famous massive cluster at  $z>0.5$ . The observation proposed will provide resolved color information on both lensed background objects and cluster galaxies, allowing us to measure the cluster's dark-matter distribution.
- Space Telescope Science Institute \$54,129  
An In-depth Study of Dark Matter in the Massive Cluster Merger MACSJ0358.8-2955  
Ebeling, Harald Institute for Astronomy--Director  
We propose multi-passband observations with Hubble Space Telescope and moderately deep X-ray observations with Chandra of the massive cluster merger MASJ0358.8-2955. The combination of existing snapshots show strong evidence for a segregation of luminous and dark matter in a linear cluster merger.

### Mainland- Non-Profit Organizations

- Monterey Bay Aquarium Foundation \$94,337  
Movement Patterns, Environmental Preferences and Husbandry of Sharks and Rays of Hawaii  
Holland, Kim N Hawaii Institute of Marine Biology  
Field work focused on electronic tracking of target species, exploratory fishing and establishing facilities to support collaborative work.
- Monterey Bay Aquarium Foundation \$12,000  
Movements, Distribution, Conservation Biology and Husbandry Requirements of Elasmobranch fishes of Kaneohe Bay  
Holland, Kim N Hawaii Institute of Marine Biology  
Several inter-related components concerning the movement patterns, habitat preferences and feeding biology of a variety of shark species found in and around Kaneohe Bay. Research will involve both field work and experiments with captive animals.
- Monterey Bay Aquarium Foundation \$18,961  
Movements, Distribution, Conservation Biology and Husbandry Requirements of Elasmobranch fishes of Kaneohe Bay  
Holland, Kim N Hawaii Institute of Marine Biology

# Gifts, Grants, and Contracts for March 2011

## Research

### Mainland- Non-Profit Organizations

Several inter-related components concerning the movement patterns, habitat preferences and feeding biology of a variety of shark species found in and around Kaneohe Bay. Research will involve both field work and experiments with captive animals.

Seattle Institute for Biomedical and Clinical Research \$189,000

Renewal of Diabetes Prevention Program Outcomes Study - Phase 2

Arakaki, Richard F Department of Medicine

Maintain outcome measures and retention of the Diabetes Prevention Program cohort in Hawaii. Intervention of lifestyle modification and metformin treatment are continued during the course of this proposal in people at risk and who have developed diabetes. In addition, more extensive outcome measures will be obtained in participants who have developed diabetes.

### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$350,000

Water and Habitable Worlds

Meech, Karen J Institute for Astronomy

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

National Aeronautics & Space Administration \$21,401

Integrating MESSENGER Data to Investigate the Origin of Mercury's Inter crater 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 inter crater 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 Aeronautics & Space Administration \$1,215,000

Data-Intensive Research and Model Development at the International Pacific Research Center (IPRC)

Hamilton, Kevin P School of Ocean and Earth Science and Technology

To enhance the research conducted at the IPRC to study the Pacific climate variability and processes, Pacific Ocean circulation and its roles in climate and Asian-Australian monsoon system (A-AMS).

National Aeronautics & Space Administration \$1,000,000

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

Tokunaga, Alan Institute for Astronomy

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

National Aeronautics & Space Administration \$84,999

Petrologic Evolution of the Moon

Taylor, G Jeffrey Hawaii Institute of Geophysics and Planetology

This research is to enhance our understanding of the formation of the lunar crust through analysis of lunar samples.

# Gifts, Grants, and Contracts for March 2011

## Research

### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$220,000  
Water and Habitable Worlds  
Meech, Karen J Institute for Astronomy  
This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life.

### National Science Foundation

National Science Foundation \$144,000  
Untangling the Energetics and Dynamics of Reactions of Ground State Silicon Atoms with Small Hydrocarbon Radicals  
Kaiser, Ralf Ingo Department of Chemistry  
We want to find out how organo silicon molecules are formed in extreme environments.

National Science Foundation \$112,368  
Collaborative Research: Geodetic Constraints on the Tectonic Processes Operating at the East Flank of the Central Andean Plateau  
Brooks, Benjamin A Hawaii Institute of Geophysics and Planetology  
Understanding earth's various crustal plate movements in the Andean and Tibetan Plateaus in Bolivia and North Western Argentina.

National Science Foundation \$8,000  
EAGER: TC: Collaborative Research: Experimental Study of Accountability in Existing Anonymous Networks  
Dong, Yingfei Department of Electrical Engineering  
Computer network security, digital forensics, tracing back, accountability.

National Science Foundation \$474,455  
Tropical Storms: A Bridge Between Formation and Intensification  
Barnes, Gary M Department of Meteorology  
Examination of tropical storms, named systems that have sustained wind speeds of 17 to 32 m/s, will provide insight into formation, when a disturbance evolves to a warm core system, and intensification when the storm achieves hurricane status and beyond. We use in-situ aircraft, radar, and dropwindsondes in the study.

National Science Foundation \$138,350  
SHF: Medium: Collaborative Research: An Economics-Based Framework for Assessing Software Modularization Decisions  
Kazman, Rick Department of Information Technology Management  
Our research goal is to provide a scientific foundation for explicitly manifesting the economic implications of software modularization activities so that the costs and the benefits of such activities can be understood, analyzed, and predicted in a way that is amenable to both engineers and managers.

National Science Foundation \$378,937  
Collaborative Research: Characterization of Microbial Transformations in Basement Fluids, from Genes to Geochemical Cycling  
Glazer, Brian Department of Oceanography  
This proposal is a part of a larger effort of investigations of the deep-subseafloor biosphere in which we propose to complete instrumentation of borehole observations, install wellhead samplers and sensors, and collect and analyze fluid samples for microbiological and geochemical processes.



# Gifts, Grants, and Contracts for March 2011

## Research

### National Science Foundation

National Science Foundation \$170,327

Collaborative Research: Consortium of Pacific Herbaria - A Research and Collections Network for Oceania

Ranker, Thomas A Department of Botany

The proposed project will continue to develop and extend the Pacific Island Regional Consortium of Herbaria, an existing NSF EPSCoR-funded network of herbaria initiated in 2008. The focus of the current proposal is on a number of the smaller collections located throughout Oceania.

### US Colleges and Universities

California Davis, University of \$75,167

Integrated Postharvest Extension Program for Cambodia and Vietnam

Paull, Robert E Department of Tropical Plant and Soil Sciences

The goal of this exploratory project is to research current capacity and needs with respect to postharvest handling and quality, leading to a full proposal whose aim would be to strengthen the capacity of Vietnamese growers and marketers to improve fruit and vegetable postharvest quality and to ensure product quality.

California San Diego, University of \$272,100

Rapid Tests for Drug Resistance to Detect Extensively Resistant Tuberculosis

Douglas, James T Department of Microbiology

Genetic analysis of drug resistance in tuberculosis.

Drew, Charles R., University \$25,000

Morphogenetic Mechanism of Embryonic Six2 in Renal Nephron Endowment

Somponpun, Jack Dept Anatomy, Biochemistry, Physiology and Reproductive Biol

To form a collaborative research between UH and Charles Drew University in an effort to determine the role of embryonic factor six2 in kidney development.

Purdue University \$7,765

Inhibitors of Carcinogenesis Fy 08

Pezzuto, John College of Pharmacy-UHH

**Subcount: 60**

**Subtotal: \$12,218,535**

## Non-Research

### DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA) \$141,612

Model State-Supported Area Health Education Center

Withy, Kelley Marie Department of Complementary and Alternative Medicine

Improve diversity, distribution, and quality of the health professions workforce.

# Gifts, Grants, and Contracts for March 2011

## Non-Research

### Foreign

Federated States of Micronesia	\$64,459
<u>Evaluating the Costs and Impacts of New and Emerging Technologies in the US Affiliated Pacific Island (USAPI) Jurisdictions; Cervical Cancer Screening</u>	
Buenconsejo-Lum, Lee	Department of Family Medicine and Community Health
Assist health departments and local partners in the USAPI jurisdictions to formulate an approach in evaluating existing and new cervical cancer prevention strategies.	
Guam, University of	\$39,107
<u>Guam/Micronesia Area Health Education Center</u>	
Withy, Kelley Marie	Department of Complementary and Alternative Medicine
Assisting with infrastructure and evaluation development for new Guam/Micronesia AHEC.	
High Energy Accelerator Research Orgn (KEK)	\$10,971
<u>JFY2010 US/Japan Program for Cooperation in High Energy Physics for the PID Detector</u>	
Browder, Thomas E	Department of Physics and Astronomy
Design, fabrication and evaluation of electro-mechanical structures for assessing the performance of the imaging Time of Propagation (iTOP) prototype for upgrade of the Belle II barrel particle identification detector.	
National Taiwan University	\$101,502
<u>Fabrication of a Custom Ice Borehole Radio-Frequency Receiver System for the Askaryan Radio Array (ARA)</u>	
Gorham, Peter W	Department of Physics and Astronomy
Fabrication of a custom ice Borehole Radio Frequency receiver System for the Askaryan Radio Array (ARA).	

### Hawaii- Dept of Education

Education, Dept - HI	\$44,013
<u>UH-DOE Internship for Sustainable Employment</u>	
Quigley, Peter S	Vice President for Community Colleges
To provide sustainability related assessments, energy audits, training, mentoring and program development as incorporated into the Task Order.	
Education, Dept - HI	\$350,000
<u>Hawaii P-20 Strategic Plan DOE MOA D11-078 Contract CO-10170</u>	
Johnsrud, Linda K	Executive Vice President for Academic Affairs/Provost
Execute the P-20 strategic plan through promoting career & college readiness, developing longitudinal data system, developing policy, supporting Race to the Top, and advancing the State's educational agenda.	

### Hawaii- Government Agencies

City & County of Honolulu	\$50,000
<u>Management of City and County of Honolulu Water Quality and Oceanographic Data</u>	
Potemra, James T	Department of Oceanography
The Hawaii Ocean Observing System project of SOEST will manage, archive, and distribute the oceanographic and water quality data collected by the City and County of Honolulu, Department of Environmental Services.	

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## Non-Research

### Hawaii- Government Agencies

Commerce & Consumer Affairs, Dept - HI	\$4,000,000
<u>Institutional Network (INET) Interconnections</u>	
Lassner, David K	Information Technology Services
UH will be coordinating the expenditure of State of Hawaii funding available through DCCA in support of the continued development and expansion of the Institutional Network (INET).	
County of Maui - Ofc of Economic Development	\$337,500
<u>Expansion of the Allied Health Programs at UH Maui College</u>	
Johnson, Nancy K	Chancellor, University of Hawaii Maui College
Continue expanded enrollments on the Allied Health nursing, dental assisting, and dental hygiene program.	
Hawaiian Affairs, Office of-HI	\$30,982
<u>OHA Iwi Kupuna Primer Cooperative Agreement</u>	
Sproat, Dana K	William Richardson School of Law
This program will research, draft, and publish an iwi kupuna primer, and facilitate community education and outreach on Oahu, Kauai, Maui, Molokai, and Hawaii Island based on this primer to raise awareness to build capacity within Kanaka Maoli communities regarding these important issues.	
Hawaiian Home Lands, Dept - HI	\$200,000
<u>Hawaiian Home Lands Agricultural Education Program</u>	
Evensen, Carl I	Department of Natural Resources and Environmental Management
Provide educational and technical assistance to DHHL leases to develop successful commercial agricultural enterprises or subsistence agricultural activities.	
Health, Dept - Family Health Services Div-HI	\$30,000
<u>Asia US Partnership Meeting (AUSP VI)</u>	
Sia, Calvin	Department of Pediatrics
Facilitate and direct program & meeting logistics for Asia/UH Partnership & share highlights of Hawaii's Early Childhood state & national initiatives such as Hawaii's Early Childhood Comprehensive Systems (ECCS) grant in conjunction with US Team's report on early childhood development in primary care. Facilitate written report.	
Health, Dept - HI	\$20,000
<u>EMT Training Stipend Program</u>	
O'Hagan, Patricia	Chancellor, Kapiolani Community College
Stipend program for Emergency Medical Technicians who wish to receive Mobile Intensive Care Technician (MICT) training.	
Human Services, Dept - HI	\$20,000
<u>DHS Task Order #9: Hawaii Child Welfare Continuous Quality Improvement Project</u>	
Stein, Lee	Chancellor, University of Hawaii Maui College
UH Maui College will assist the Department of Human Services with enhancing caseworker skills and with the implementation of a comprehensive quality assurance system for child welfare services. Services will be funded by federal reimbursements earned under Title IV-E of the Social Security Act.	
Human Services, Dept - HI	\$88,000
<u>TANF Robotics Program</u>	
Choi, Song K	College of Engineering
Establish three DOE complex-wide, robotics competition programs in the state, including programs for First and	

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## Non-Research

### Hawaii- Government Agencies

Junior Lego league, Underwater Robotics Challenge, Botball Robotics, and First Robotics Competition.

Labor & Industrial Relations, Dept - HI \$1,150,000

Statewide Energy Sector Partnership (SESP) Project

Quigley, Peter S Vice President for Community Colleges

This is a capacity building and green jobs training grant. The project requires 200 individuals recruited, trained and placed in green jobs by the end of the project period.

Land & Natural Res, Dept - HI \$116,870

Hawaii Shoreline Specialist Position

Grau, E Gordon Sea Grant College Program

Provide technical assistance on shoreline location criteria around the state in collaboration with the State Dept. of Land & Natural Resources and the Dept. of Accounting & General Services.

### Hawaii- Health Organizations

Queen's Health Systems \$2,186,266

Ku I Ka Pono: Achieving Optimal Health and Well-Being for Native Hawaiians and the People of Hawai'i

Kaholokula, Joseph Department of Native Hawaiian Health

1) Support 60 students from disadvantaged backgrounds in the Imi Ho'ola Program; 2) Conduct a Native Hawaiian community assessment and capacity building projects; and 3) Recruit and train 2 post-doctoral fellows in health disparities research.

### Hawaii- Non-Profit Organizations

Hawaii Health Information Exchange \$83,228

Hawaii-Pacific Health Information Technology Regional Extension Center

Okamura, Norman H Social Science Research Institute

To provide coordination and delivery of services to health care providers in the US Pacific Island of American Samoa. The Commonwealth of the Northern Mariana Islands (CNMI) and Guam through the Hawaii-Pacific Regional Extension Center (REC).

University of Hawaii Foundation \$49,133

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 04/01/11 - 03/31/12.

University of Hawaii Foundation \$20,000

Raymond F Baker Fund for Grounds and Living Collection at Lyon Arboretum

Dunn, Christopher Lyon Arboretum

Initial purpose of this Fund is to support the grounds and living collections of the Harold L. Lyon Arboretum at the University of Hawaii at Manoa.

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## Non-Research

### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$5,240  
Hawaiian Music Archive  
Geary, Gregg S Library  
The project account is being used to process payroll for a Library hire who will reformat and transfer 78, 45 and 33rpm phonodiscs and upload to a demonstration web site.

### Mainland- Health Organizations

Children's Hospital Boston \$18,750  
The Role of Mitochondrial Toxicity in Metabolic Complications of Pediatric HIV  
Gerschenson, Mariana Department of Cell and Molecular Biology  
To mentor Dr. Tanvi Sharma and to measure mitochondrial energy protein in cells.

### Mainland- Non-Profit Organizations

Institute of International Education, Inc. \$19,976  
Korean Language Flagship Center 2012 Publication Project  
Sohn, Ho-Min Department of East Asian Languages and Literatures  
To (1) build a corpus of students oral language data, (2) conduct research on the corpus, and (3) publish papers based on this research.

Institute of International Education, Inc. \$20,000  
Korean Language Flagship Center: 2011 National Conference  
Sohn, Ho-Min Department of East Asian Languages and Literatures  
To disseminate Flagship teaching practices and research findings by (1) hosting a national conference in May 2011 and (2) publishing the conference proceedings and a post-conference monograph in 2011-12.

Las Cumbres Observatory Global Telescope Network Inc \$41,128  
IfA Hawaiian EPO Program  
Kuhn, Jeffrey R. Institute for Astronomy  
Development and implementation of the Hawaiian Education and Public Outreach Program by the UH Institute for Astronomy and the Las Cumbres Observatory Global Telescope Network, Inc.

### National Science Foundation

National Science Foundation \$18,155  
Advancing Sociolegal Theory  
Goldberg-Hiller, Jonathan Department of Political Science  
Application to NSF to fund a seminar discussing advances in socio-legal theory using the philosophical concept of "plasticity"

# Gifts, Grants, and Contracts for March 2011

## Non-Research

### US Colleges and Universities

Kansas State University \$60,000

Military 4-H Club Grant

Nakatsuka, Claire M

College of Tropical Agriculture and Human Resources

The Military 4-H club grant provides support to the Hawaii 4-H Youth Development program in establishing and sustaining military 4-H clubs across the state, including 4-H clubs on installations, and connecting geographically dispersed military youth to 4-H clubs in their communities.

Wyoming, University of \$15,000

SARE Professional Development Program Plan for Hawaii

Radovich, Theodore J.

Department of Tropical Plant and Soil Sciences

We will use SARE funding to create intermediate level training materials and hold an annual workshop to increase CES/NRCS awareness and knowledge, improve CES/NRCS skills and the capacity to provide educational programs, and to change CES/NRCS educator behavior.

**Subcount:** 30

**Subtotal:** \$9,331,892

**Count:** 90

**Total:** \$21,550,427

# Funds Received from UH Foundation for 03/01/2011 - 03/31/2011

## Non-Research

### Hawaii- Non-Profit Organizations

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 04/01/11 - 03/31/11	\$49,133
University of Hawaii Foundation "Raymond F Baker Fund for Grounds and Living Collection at Lyon Arboretum" Dunn, Christopher                              Lyon Arboretum Initial purpose of this Fund is to support the grounds and living collections of the Harold L. Lyon Arboretum at the University of Hawaii at Manoa.	\$20,000
University of Hawaii Foundation "Hawaiian Music Archive" Geary, Gregg S                                      Library The project account is being used to process payroll for a Library hire who will reformat and transfer 78, 45 and 33rpm	\$5,240

## Research

### Hawaii- Non-Profit Organizations

University of Hawaii Foundation "Pineapple Research" Paull, Robert E                                      Department of Tropical Plant and Soil Sciences To carry out applied research to address Hawaii's Pineapple Industry needs: Salaries and Fringe=\$44,000.00	\$9,000
University of Hawaii Foundation "Pineapple Research" Paull, Robert E                                      Department of Tropical Plant and Soil Sciences To carry out applied research to address Hawaii's Pineapple Industry needs: Salaries and Fringe=\$44,000.00	\$48,000
University of Hawaii Foundation "The Hawaii Initiative for Childhood Obesity Research and Education" Rudoy, Raul C    Department of Pediatrics HICORE's mission is to provide leadership of a collaborative, multi-disciplinary effort in research and education on childhood/adolescent obesity in Hawaii. This effort will bring together individuals, community, and organizations in Hawaii, to understand and address the childhood obesity epidemic in Hawaii especially the most vulnerable of Hawaii's children and families.	\$18,724
<b>Count:      6</b>	<b>Total:              <u>\$150,097</u></b>

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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	1	\$13,500	0.11%
DHHS-Dept of Health and Human Services	7	\$3,845,469	31.47%
DOD-Department of Defense	5	\$629,865	5.15%
Federal Agencies	2	\$549,255	4.50%
Hawaii- Business and Other	3	\$164,095	1.34%
Hawaii- Government Agencies	3	\$486,125	3.98%
Hawaii- Non-Profit Organizations	8	\$530,834	4.34%
Mainland- Business and Other	10	\$987,225	8.08%
Mainland- Non-Profit Organizations	4	\$314,298	2.57%
National Aeronautics and Space Administration	6	\$2,891,400	23.66%
National Science Foundation	7	\$1,426,437	11.67%
US Colleges and Universities	4	\$380,032	3.11%
<b>Total:</b>	<b><u>60</u></b>	<b><u>\$12,218,535</u></b>	<b><u>100%</u></b>



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

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DHHS-Dept of Health and Human Services	1	\$141,612	1.52%
Foreign	4	\$216,039	2.32%
Hawaii- Dept of Education	2	\$394,013	4.22%
Hawaii- Government Agencies	11	\$6,043,352	64.76%
Hawaii- Health Organizations	1	\$2,186,266	23.43%
Hawaii- Non-Profit Organizations	4	\$157,601	1.69%
Mainland- Health Organizations	1	\$18,750	0.20%
Mainland- Non-Profit Organizations	3	\$81,104	0.87%
National Science Foundation	1	\$18,155	0.19%
US Colleges and Universities	2	\$75,000	0.80%
<b>Total:</b>	<b><u>30</u></b>	<b><u>\$9,331,892</u></b>	<b><u>100%</u></b>

**Extramural Research Awards  
Year to Date: 07/01/10 - 03/31/11  
Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	48	\$6,836,938	2.95%
DHHS-Dept of Health and Human Services	75	\$53,063,248	22.86%
DOC-Dept of Commerce	61	\$27,229,938	11.73%
DOD-Department of Defense	48	\$40,157,824	17.30%
DOE-Dept of Energy	21	\$21,799,873	9.39%
DOI-Dept of Interior	53	\$5,400,783	2.33%
ED-Dept of Education	3	\$1,365,407	0.59%
Federal Agencies	11	\$4,740,401	2.04%
Foreign	20	\$5,560,247	2.40%
Hawaii- Business and Other	26	\$1,850,713	0.80%
Hawaii- Dept of Education	1	\$54,597	0.02%
Hawaii- Government Agencies	93	\$10,598,214	4.57%
Hawaii- Health Organizations	6	\$714,454	0.31%
Hawaii- Non-Profit Organizations	52	\$2,677,384	1.15%
Mainland- Business and Other	44	\$4,401,607	1.90%
Mainland- Health Organizations	11	\$1,255,482	0.54%
Mainland- Non-Profit Organizations	24	\$887,863	0.38%
Miscellaneous	1	\$215,987	0.09%
National Aeronautics and Space Administration	45	\$8,816,689	3.80%
National Science Foundation	82	\$24,572,637	10.59%
US Colleges and Universities	80	\$9,876,682	4.26%
<b>Total:</b>	<b><u>805</u></b>	<b><u>\$232,076,968</u></b>	<b><u>100%</u></b>

Note: YTD amounts include adjustments.

**Extramural Non-Research Awards**  
**Year to Date: 07/01/10 - 03/31/11**  
**Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	13	\$2,787,915	1.67%
DHHS-Dept of Health and Human Services	31	\$7,819,098	4.68%
DOC-Dept of Commerce	23	\$38,156,913	22.85%
DOD-Department of Defense	7	\$900,549	0.54%
DOE-Dept of Energy	1	\$750,000	0.45%
DOI-Dept of Interior	14	\$596,233	0.36%
ED-Dept of Education	74	\$36,785,531	22.03%
Federal Agencies	14	\$8,997,697	5.39%
Foreign	29	\$1,702,939	1.02%
Hawaii- Business and Other	34	\$5,338,873	3.20%
Hawaii- Dept of Education	10	\$2,340,521	1.40%
Hawaii- Government Agencies	87	\$23,953,922	14.34%
Hawaii- Health Organizations	10	\$3,485,499	2.09%
Hawaii- Non-Profit Organizations	75	\$5,029,033	3.01%
Mainland- Business and Other	12	\$775,176	0.46%
Mainland- Health Organizations	2	\$178,750	0.11%
Mainland- Non-Profit Organizations	28	\$2,956,896	1.77%
National Aeronautics and Space Administration	5	\$3,692,825	2.21%
National Science Foundation	39	\$18,512,728	11.09%
US Colleges and Universities	31	\$2,239,046	1.34%
<b>Total:</b>	<b><u>539</u></b>	<b><u>\$167,000,144</u></b>	<b><u>100%</u></b>

Note: YTD amounts include adjustments.