

## Gifts, Grants, and Contracts for June 2011

The following gifts, grants and contracts received by all campuses during the period June 1, 2011 through June 30, 2011 total \$54,264,556. The unofficial FY 2011 year-to-date total is: \$488,597,908.

### Research

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

|   |  |
|---|--|
| Health & Human Svc, Dept - Natl Inst of Health (NIH)  | \$2,076,067  |
| <u>Institute for Biogenesis Research: COBRE</u>   |  |
| Ward, William S   | Dept Anatomy, Biochemistry, Physiology and Reproductive Biol |
| Develop the existing Institute for Biogenesis Research into a multi-disciplinary research center for reproductive biology research.   |  |
| Health & Human Svc, Dept - Natl Inst of Health (NIH)  | \$331,280  |
| <u>Accessing Cyanobacterial Chemical Diversity: A Unique Natural Product Library</u>  |  |
| Williams, Philip  | Department of Chemistry                                      |
| Large scale culture of cyanobacterial strains to produce compounds for the Molecular Libraries Small Molecule Repository.   |  |
| Health & Human Svc, Dept - Natl Inst of Health (NIH)  | \$205,050  |
| <u>A Forward Genetics Approach to Identify Novel Core Regulators of Epithelial Patterning and Morphogenesis</u>   |  |
| Martindale, Mark Q.   | Pacific Biosciences Research Center                          |
| This grant describes experiments utilizing a forward genetic screen to identify cell and molecular targets involved in epithelial tissue morphogenesis and remodeling in the model cnidarian species, <i>Nematostella vectensis</i> . |  |
| Health & Human Svc, Dept - Natl Inst of Health (NIH)  | \$14,764   |
| <u>Contribution of Sperm Nucleus to Paternal DNA Replication</u>  |  |
| Ward, William S   | Dept Anatomy, Biochemistry, Physiology and Reproductive Biol |
| The goal of this project is to test our hypothesis that sperm provide molecular instructions to the embryo for replicating the paternal DNA.  |  |
| Health & Human Svc, Dept - Natl Inst of Health (NIH)  | \$31,140   |
| <u>The Genetic Control of Social Behavior</u>   |  |
| Blanchard, Robert J   | Pacific Biosciences Research Center                          |
| Autism spectrum disorder involves multiple deficits in social behavior and interaction. The current research will use novel behavioral tests to evaluate the role of specific genes in these behaviors.                               |  |
| Health & Human Svc, Dept/NIH - Natl Cancer Institute  | \$482,794  |
| <u>Collaborative Genetic Study of Ovarian Cancer Risk</u>   |  |
| Goodman, Marc T   | UH Cancer Center   |
| The five-year study will examine the association of vitamin D and calcium-related genetic polymorphisms with the risk of epithelial ovarian in Hawaii.  |  |
| Health & Human Svc, Dept/NIH - Natl Ctr for Rsch Resources  | \$2,976,933  |
| <u>INBRE II: Hawaii Statewide Research and Education Partnership (HSREP)</u>  |  |
| Holmes, Eric  | Vice Chancellor for Research and Graduate Education          |
| Provide improved secondary education and biomedical research opportunities for the citizens of Hawaii at every level from community colleges through the state's medical school.  |  |
| Health & Human Svc, Dept/NIH - Natl Ctr on Minority Hlth & Hlth Disprty   | \$1,428,988  |
| <u>Partnerships for Cardiometabolic Disparities in Native and Pacific Peoples</u>   |  |
| Mau, Marjorie K H   | Department of Native Hawaiian Health                         |
| Additional requested funds.   |  |

## Gifts, Grants, and Contracts for June 2011

### Research

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

|   |   |
|---|---|
| Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst   | \$375,000   |
| <u>Role of mTOR in the Diabetic Heart</u>   |   |
| Matsui, Takashi   | Department of Medicine                                  |
| Heart failure after myocardial infarction in diabetes develops twice as often as in non-diabetics. Although the insulin signaling protein mTOR is known as a mediator of metabolism, the role of mTOR in the diabetic heart remains undefined. We will explore cardioprotective effects of mTOR in a mouse model of diabetes.               |   |
| Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst   | \$210,000   |
| <u>Recruitment for Cardiovascular Research at the University of Hawaii</u>  |   |
| Shohet, Ralph Victor  | Department of Medicine                                  |
| This grant will fund the recruitment of a professor to work in the Center for Cardiovascular Research. It will also support two young investigators who work on educational initiatives and technology development in this Center. It is preliminary to a larger program that would subsequently support the recruit and the Center.        |   |
| Health & Human Svc, Dept/NIH - Natl Human Genome Rsch Inst  | \$1,596,270   |
| <u>Epidemiology of Putative Causal Variants in the Multiethnic Cohort</u>   |   |
| Le Marchand, Loic   | UH Cancer Center  |
| This project will characterize in the five MEC ethnic/racial populations, the associations of putative causal variants discovered for various chronic diseases in large ongoing genomic studies.  |   |
| Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis  | \$30,072  |
| <u>Mechanism of Activation of Innate Immunity by ISS-DNA</u>  |   |
| 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 Allergy & Infectious Dis  | \$589,768   |
| <u>Malarial Immunity in Pregnant Cameroonian Women</u>  |   |
| Taylor, Diane W.  | Dept of Trop Med, Medical Microbiology and Pharmacology |
| The study evaluates the influence of an antimalarial drug on the immune response of pregnant Cameroonian women to malaria. Specifically, it will determine if treatment decreases immunity that aids in eliminating parasite from the placenta, pathology associated with low birthweight babies, and alters immunity to malaria in babies. |   |
| Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis  | \$240,216   |
| <u>Modulating Tim-3 to Control HIV Infection</u>  |   |
| Ndhlovu, Lishomwa C   | Department of Medicine                                  |
| Defining novel mechanisms of HIV-1 induced dysfunction of natural killer (NK) and CD8 T cells.  |   |
| Health & Human Svc, Dept/NIH - Natl Inst of Allergy & Infectious Dis  | \$480,370   |
| <u>Decryption of KIR Genetics and Function in Early HIV-1 Infection</u>   |   |
| Barbour, Jason  | Dept of Trop Med, Medical Microbiology and Pharmacology |
| The Natural Killer (NK) cell is a rapid effector arm of the innate immune response. Active before T cell responses, NK cells play a critical role against HIV and are regulated by a network of surface regulatory molecules, key among them the polymorphic KIR (killer Ig-like receptor).   |   |

## Gifts, Grants, and Contracts for June 2011

### Research

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

Health & Human Svc, Dept/NIH - Natl Inst of Mental Health \$30,758

Modeling Monocyte and Macrophage Based Gene Therapy for NeuroAIDS

Lu, Yuanan

Department of Public Health Sciences and Epidemiology

To test for the potential use of primary monocytes/macrophages as a gene transfer vehicle to deliver anti-HIV tat gene and a neuroprotective agent (TNFR) into the central nervous system and their stable high-level expression in the brain for combating neuroAIDS using laboratory mouse as a in vivo model system.

Health & Human Svc, Dept/NIH - Natl Inst of Nursing Rsch \$277,151

Center for 'Ohana and Self-Management of Chronic Illnesses in Hawaii (COSMCI): Building Research Teams for the Future

Inouye, Jillian

Department of Nursing

To establish a Center for 'Ohana and Self-Management of Chronic Illnesses in Hawaii (COSMCI) whose vision is to understand, develop, and test family, community, and culturally appropriate interventions to enhance 'ohana and self-management techniques that will reduce health disparities in diverse groups with chronic illnesses.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$646,328

The Project Success Model: Evaluation of A Tiered Intervention

Wills, Thomas

UH Cancer Center

The study is a two-level intervention, with one level (universal program) aimed at deterring initiation while second level (indicated program) is aimed at preventing escalation of use. This approach has the goal of reducing adolescent substance use problems.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$162,154

Impact of Marijuana Exposure on Brain Maturation

Cloak, Christine C

John A. Burns School of Medicine

This career development award provides support to launch an independent research career. This includes integrated didactic and research components. Adolescents with and without regular marijuana use are evaluated with several magnetic resonance imaging techniques to measure brain structure and chemistry, for correlation with measures of cognitive abilities and cortisol levels.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$158,687

Parallel MRI for Substance Abuse Research

Stenger, Victor Andrew

Department of Medicine

This is a competitive renewal of an NIH K02 Independent Investigator Award. The award will provide salary support and 75% protected time for Dr. Stenger to continue working on his research and mentor junior investigators in drug abuse research. The award provides funds for supplies for this career development.

Health & Human Svc, Dept/NIH - Natl Inst on Drug Abuse \$33,075

Factors for Enhanced Neurotoxicity in Methamphetamine Abuse and HIV Infection

Chang, Linda

Department of Medicine

This program will support career development of students and junior investigators new to research on drug abuse and HIV. They will develop their laboratory skills, and apply these skills to the study of mechanisms that confer vulnerability to neurotoxicity with methamphetamine abuse and HIV infection. Factors include oxidative stress and

## Gifts, Grants, and Contracts for June 2011

### Research

#### DOD-Department of Defense

|   |   |
|---|---|
| Defense, Dept - Air Force   | \$9,112                                       |
| <u>Operations and Management of the Maui Supercomputing Center</u>  |   |
| 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   | \$4,048                                       |
| <u>Operations and Management of the Maui High Performance Computing Center</u>  |   |
| Lassner, David K  | Information Technology Services               |
| Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.   |   |
| Defense, Dept - Air Force   | \$12,840                                      |
| <u>Operations and Management of the Maui Supercomputing Center</u>  |   |
| 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   | \$37,365                                      |
| <u>Operations and Management of the Maui Supercomputing Center</u>  |   |
| 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   | \$161,721                                     |
| <u>Operations and Management of the Maui High Performance Computing Center</u>  |   |
| Lassner, David K  | Information Technology Services               |
| Cost reimbursement award term contract for research development, operations and management of the Maui High Performance Computing Center.   |   |
| Defense, Dept - Army  | \$74,961                                      |
| <u>Modeling of Hurricane Surge and Waves for Hawaii</u>   |   |
| Cheung, Kwok Fai  | Department of Ocean and Resources Engineering |
| Modeling of hurricane surge and waves for Hawaii.   |   |
| Defense, Dept - Navy  | \$18,809                                      |
| <u>Analysis and High-Resolution Modeling of Tropical Cyclogenesis during the TCS-08 and TPARC Field Campaign</u>  |   |
| Li, Tim   | Department of Meteorology                     |
| To investigate tropical cyclone genesis mechanism with cloud-resolving models and conduct data assimilation during TCS-08 observational campaign period.                                |   |
| Defense, Dept - Office of Naval Research  | \$160,000                                     |
| <u>Radio Propagation Modeling and Prediction in Complex Environments</u>  |   |
| Yun, Zhengqing  | Hawaii Center for Advanced Communications     |
| Develop propagation modeling software package that achieves accurate, fast, and dynamic radio propagation prediction and help establish effective and reliable communications networks. |   |

## Gifts, Grants, and Contracts for June 2011

### Research

#### DOE-Dept of Energy

Energy, Dept - FED \$4,291,736

Research on Distributed Electricity Systems Resources, Amdt 001

Griffin, James P Hawaii Natural Energy Institute

Managing distribution system resources for improved service quality and reliability, transmission congestion relief, and grid support functions. Amendment 001 involves the awarding of funds from the American Recovery and Reinvestment Act of 2009 (Recovery Act). Recovery Act funds come with a different set of terms and conditions compared to the original funds.

Energy, Dept - FED \$174,688

Development of new Biomarkers for Surficial Earth Processes

Jahren, Hope Department of Geology and Geophysics

To investigate: the stable isotope signature of terrestrial biomarkers, when contextualized according to the composition of whole organism and fortified with knowledge about general biochemistry, comprises a chemical signature that integrates over the lifetime of the organism, or the pedogenic development of the soil.

Energy, Dept - FED \$141,131

Probing the Reaction Dynamics of Hydrogen-Deficient Hydrocarbon Molecules and Radical Intermediates via Crossed Molecular Beams

Kaiser, Ralf Ingo Department of Chemistry

We want to find out how PAHs and their precursors are formed in combustion flames.

Energy, Dept - FED \$145,000

Development of Catalytic Alkylation and Fluoroalkylation Methods

Vicic, David Department of Chemistry

To develop energy efficient methods for alkylation and fluoroalkylation.

#### DOI-Dept of Interior

Interior, Dept - U.S. Geological Survey \$250,000

Cooperative Monitoring and Assessment of Hawaii Volcano Hazards 2011

Hirokawa, Randy Chancellor, University of Hawaii at Hilo-UHH

Conduct training, research and public outreach on Hawaii's volcanoes

#### ED-Dept of Education

Education, Dept - Institute of Education Sciences-FED \$399,995

Hawaii Model Demonstration Project on Tiered Approaches to Improve the Writing Proficiency, Application, and Transfer Skills of 9th Grade Students

Stodden, Robert A Center on Disability Studies

The purpose of the Hawaii project is to rigorously conduct a Model Demonstration of tiered approach toward improving writing proficiency, application, and transfer skills of ninth grade students who have writing difficulties, including those at risk for and with learning disabilities.

## Gifts, Grants, and Contracts for June 2011

### Research

#### Foreign

Japan Agency for Marine-Earth Science & Tech (JAMSTEC) \$2,097,000

JAMSTEC Year 15

Hamilton, Kevin P

Department of Meteorology

Provide an international research environment dedicated to improving understanding of the nature and predictability of climate variability in the Asia-Pacific sector, including influences of global environmental change within the region.

Korea Ocean Research & Development Inst (KORDI) \$962,500

2011 R/V Ka'imikai O Kanaloa Support of KORDI Research in the Eastern Pacific Ocean

Shor, Alexander N

School of Ocean and Earth Science and Technology

Under the terms of a Memorandum of Understanding between SOEST and the Korea Ocean Research and Development Institute (KORDI), we propose to provide the vessel for a research cruise during the period July to August 2011, with funding provided by KORDI. The project requires approximately 35 vessel operating days, beginning in Honolulu, Hawaii, conducting sampling and survey operations in waters near 10oN, 135oW, and returning to Honolulu, Hawaii. Subject to satisfactory agreement on appropriate contract agreements.

Korea Ocean Research & Development Inst (KORDI) \$160,000

IMI-30 Sonar Surveys for KORDI in the Eastern Pacific Ocean

Shor, Alexander N

School of Ocean and Earth Science and Technology

Hawaii Mapping Research Group (HMRG) will provide the IMI-30 seafloor mapping sonar and five personnel to participate in a 35-day research cruise to the Eastern Pacific Ocean aboard the research vessel Ka'imikai O Kanaloa, beginning and ending at the University of Hawaii Marine Center, Pier 45, Honolulu, Hawaii. Research operations will be under the direction of personnel from the Korea Ocean Research Development Institute (KORDI), from the Republic of Korea.

Ministry of Agriculture and Rural Development, Central Project Office - Vietnam \$208,578

Vietnam Natural Disaster Risk Management Project 1N

Gaines, James R

Vice President for Research

The Pacific Disaster Center will provide consulting services to assist the Central Project Office (CPO), within the Ministry of Agriculture and Rural Development (MARD), improve the management of post-disaster assistance following the occurrence of natural disasters.

#### Hawaii- Business and Other

Bennet Group Strategic Communications \$52,001

Hawaii Children's Trust Fund Program Evaluation

Sy, Angela

Department of Public Health Sciences and Epidemiology

Plan and conduct evaluation research of a public awareness campaign in Hawaii on child abuse prevention.

East West Center \$20,000

The Expansion of Rubber and its Implications for Water and Carbon Dynamics in Montane Mainland Southeast Asia

Giambelluca, Thomas W

Department of Geography

Using field measurements and model simulations, we will investigate how the expansion of rubber cultivation in the Montane Mainland Southeast Asia alters carbon and water dynamics of the region.

# Gifts, Grants, and Contracts for June 2011

## Research

### Hawaii- Business and Other

Pukoa Scientific LLC \$29,585  
Navigation and Sensor Fusion for Image Tracking from an Unmanned Aerial Vehicle  
Bingham, Brian S Department of Mechanical Engineering  
This goal of this project are to support Pukoa's efforts to develop a image tracking system for manned and unmanned aerial vehicles

### Hawaii- Government Agencies

Agriculture, Dept - Agribusiness Dev Corp-HI \$7,659  
Farm Food Safety Water and Produce Testing Services  
Hollyer, James R Department of Plant and Environmental Protection Sciences  
On product and water sampling of up to 6 Hawaii aquaponics farms. Education and outreach to farmers on how to keep human pathogens out of their water-based production environments.

Agriculture, Dept - HI \$42,933  
Documenting Food Self-Sufficiency in Hawaii Using the INVICTA System  
Leung, Ping Sun Department of Natural Resources and Environmental Management  
This proposed research will determine feasibility of reconstructing import data for fresh fruits and vegetables (FFVs) and other imported food from the INVICTA System and other sources to benchmark and assess food self-sufficiency in Hawaii.

County of Hawaii \$65,000  
Food Sustainability Baseline Study  
Delparte, Donna Social Sciences-UHH - Division Office  
Aid in the measurement of progress towards sustainability goals on Hawaii Island (the project will build a geodatabase of spatial data related to agriculture to conduct the research).

Health, Dept - Alcohol & Drug Abuse Div-HI \$234,283  
Services to Evaluate and Monitor Substance Abuse Service Outcomes and Process Evaluation Activities of the Alcohol and Drug Abuse Division Funded;  
Kim, Ji-Yeon Center on the Family  
Support, monitor and report on the substance abuse treatment services provided by agencies funded by the Hawaii Department of Health, Alcohol and Drug Abuse Division, and assist in the development, implementation, and improvement of the Hawaii Web-based treatment services information systems.

Health, Dept - HI \$140,000  
Lahaina Groundwater Tracer Study, Lahaina, Maui, Hawaii: Phase II  
Glenn, Craig R Department of Geology and Geophysics  
Perform a groundwater tracer study to investigate any effluent discharge from the Lahaina Wastewater Reclamation Facility that may be entering near shore waters. This project will use injection and monitoring of a fluorescent dye, isotope- and geo-chemistry, and an airborne thermal infrared survey.

Health, Dept - HI \$313,524  
Hawaii Physical Activity and Nutrition Coalition  
Maddock, Jason E. Office of Public Health Studies  
This project will develop and maintain a coalition to increase physical activity and improve nutrition in the state of Hawaii.

## Gifts, Grants, and Contracts for June 2011

### Research

#### Hawaii- Government Agencies

|  |  |
|--|--|
| Health, Dept - HI  | \$80,913   |
| <u>Social Epidemiology Project/Epidemiologic Research Relating to Public Health</u>  |  |
| Maddock, Jason E.  | Office of Public Health Studies                      |
| This project provides evaluation and research support to the Healthy Hawaii Initiative.  |  |
| Honolulu Liquor Commission City & County of Honolulu   | \$106,155  |
| <u>Check 21</u>  |  |
| Albright, Cheryl L.  | UH Cancer Center                                     |
| Compliance checks for sales of alcohol to minors.  |  |
| Human Services, Dept - Ofc of Youth Svcs-HI  | \$40,000   |
| <u>OYS Online Directory</u>  |  |
| Umemoto, Karen N   | Department of Urban and Regional Planning            |
| In consultation with the Office of Youth Services, we will create an online youth services directory and begin the year-round collection and updating of directory entries in order to maintain accurate, up-to-date information. It will be designed for use by youth-serving professionals as well as youths and families. |  |
| Labor & Industrial Relations, Dept - HI  | \$25,927   |
| <u>Hawai'i State Healthcare Planning Grant Project</u>   |  |
| Withy, Kelley Marie  | Department of Complementary and Alternative Medicine |
| To gather information for the Comprehensive Healthcare Workforce Development Plan for Hawaii 2010-2012. Will gain qualitative data from healthcare stakeholders and analyze Labor market information to ensure that the information and trends are reflective of employer realities, and identifying skill requirements.     |  |
| Land & Natural Res, Dept - Div of Aquatic Resources-HI   | \$385,291  |
| <u>Evaluating the Effectiveness of Restricted Fishing Areas for Improving the Bottomfish Fishery in the Main Hawaiian Islands</u>  |  |
| Drazen, Jeffrey C  | Department of Oceanography                           |
| To evaluate the effectiveness of restricted fishing areas for improving the bottomfish fishery in the main Hawaiian Islands.   |  |
| Land & Natural Res, Dept - Div of Forestry & Wildlife-HI   | \$50,000   |
| <u>Detection and Control of Invasive Species in Maui County</u>  |  |
| Duffy, David C   | Department of Botany                                 |
| Implement a county-wide strategy for early detection and control of invasive species in Maui county.   |  |
| Land & Natural Res, Dept - Div of Forestry & Wildlife-HI   | \$26,175   |
| <u>Detection and Control of Invasive Species on the Island of Kauai: FY Supplement</u>   |  |
| Duffy, David C   | Department of Botany                                 |
| Control and eradicate invasive species on Kauai, with an emphasis on the mongoose.   |  |
| Land & Natural Res, Dept - Div of Forestry & Wildlife-HI   | \$90,000   |
| <u>Koolau Mountains Watershed Partnership Management Plan Implementation, FY 2011</u>  |  |
| Morden, Clifford W   | Department of Botany                                 |
| Research and manage watershed conservation on the Koolau Mountains on Oahu.  |  |





## Gifts, Grants, and Contracts for June 2011

### Research

#### Hawaii- Health Organizations

Queen's Medical Center \$332,092

Prototype Academic Medical Department Model for Behavioral Health Research

Goebert, Deborah A Department of Psychiatry

To accelerate the quantity and quality of health-related behavioral health research in Hawaii and improve quality of care for patients at QMC and in Hawaii, through translational research.

#### Hawaii- Non-Profit Organizations

HCF-Straub (George F) Trust Estate \$46,500

The Role of Pre-B Cell Colony-Enhancing Factor in Regulating the Intramembranous Absorption of Human Amniotic Fluid

Wright, Claire E Department of Obstetrics, Gynecology, and Women's Health

This project will focus on human tissue and cell-based models to show how amniotic fluid can be regulated by changes in placental amnion permeability.

Hawaii Community Foundation (HCF) \$50,000

Regulating the Degradation of Connexin43 through the Proteasomal Pathway

Lau, Alan F UH Cancer Center

Connexin43 is a protein that contributes to the formation of gap junctions, channels that help cells communicate with each other. The levels of connexin43 in cells is important because this can help to regulate intercellular communication. This proposal seeks to study how connexin43 is degraded.

Hawaii Community Foundation (HCF) \$50,000

Bit-1 Signaling in Cardiovascular Disease

Matter, Michelle Department of Cell and Molecular Biology

Bit-1 in cardiovascular disease using the Bit-1 KO mice.

Hawaii Community Foundation (HCF) \$45,000

Interaction of Selenoprotein P with Zinc in Alzheimer's Disease

Bellinger, Frederick P Department of Cell and Molecular Biology

This project will examine the interaction of selenoprotein P with zinc in brain and in Alzheimer's disease.

Hawaii Community Foundation (HCF) \$50,000

Role of Endogenous Osteoprotegerin Expression in Breast Cancer Metastasis

Connelly, Linda College of Pharmacy-UHH

Continued research on preliminary data that suggests breast cancer cells secrete the protein Osteoprotegerin and this may promote disease progression.

Hawaii Community Foundation (HCF) \$50,000

Development of a New Model Organism to Provide New Insight into Fundamental Mechanisms of Human Development and Disease

Martindale, Mark Q. Pacific Biosciences Research Center

A local hemichordate worm is an ancient relative to chordates like fish and human beings. Our molecular work will

## Gifts, Grants, and Contracts for June 2011

### Research

#### Hawaii- Non-Profit Organizations

|  |  |
|--|--|
| Hawaii Community Foundation (HCF)  | \$46,500   |
| <u>A Novel Morphogenesis System Using Human Embryonic Stem Cells</u>   |  |
| Marikawa, Yusuke   | Dept Anatomy, Biochemistry, Physiology and Reproductive Biol |
| The project is to characterize elongation morphogenesis of human embryonic stem cells at the molecular level. The obtained information should help in developing new culture methods to generate complex organ structures from human embryonic stem cells for replacement therapy.   |  |
| Hawaii Community Foundation (HCF)  | \$45,000   |
| <u>Characterization of the Role of Abcc6 in Dermal and Cardiovascular Calcification</u>  |  |
| Le Saux, Olivier   | Department of Cell and Molecular Biology                     |
| The overall goal of this proposal is to address the role of the Abcc6 gene in chronic and acute dystrophic calcification that affects cardiovascular and dermal tissues.   |  |
| Tri-Isle Resource Conservation & Dev Council   | \$41,860   |
| <u>Lanai Native Species Recovery Program</u>   |  |
| Duffy, David C   | Department of Botany   |
| Conduct habitat restoration project for the endangered 'Ua'u (Hawaiian petrel) on Lanai.   |  |
| University of Hawaii Foundation  | \$20,500   |
| <u>CRCH Traineeship</u>  |  |
| Carbone, Michele   | UH Cancer Center   |
| Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.   |  |
| University of Hawaii Foundation  | \$87,536   |
| <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  | \$60,000   |
| <u>Philosophy for Children Research Associate</u>  |  |
| Jackson, Thomas E  | Department of Philosophy                                     |
| The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of a proposed "Philosopher in Residence" initiative at two public schools in Hawaii.   |  |
| University of Hawaii Foundation  | \$1,706  |
| <u>The L2 Child is Key: On the Development of Japanese by L1 English-Speaking Children</u>   |  |
| Schwartz, Bonnie D   | Department of Second Language Studies                        |
| This research consists of a study on the acquisition of Japanese as a second language on the part of native English-speaking children in an all-day Japanese program in elementary school; the data come from a series of comprehension and production experiments.  |  |

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### Research

#### Hawaii- Non-Profit Organizations

|   |                                     |
|---|-------------------------------------|
| University of Hawaii Foundation   | \$2,000                             |
| <u>Cell and Molecular Biology Program</u>   |                                     |
| Humphreys, Tom D II   | Pacific Biosciences Research Center |
| Study of development and regeneration of neural structures of <i>Ptychodera Flava</i> .   |                                     |
| University of Hawaii Foundation   | \$20,000                            |
| <u>Respiratory Health</u>   |                                     |
| Tam, Elizabeth K  | Department of Medicine              |
| Teach General Internal Medicine Ambulatory and inpatient care to medical students and medical residents, assist in clinical research, provide consultative care in inflammatory/immunologic diseases; develop/evaluate training programs. |                                     |

#### Mainland- Business and Other

|  |                                    |
|--|------------------------------------|
| Cellana LLC  | \$199,984                          |
| <u>Novel Isolations and Pre-Screening Activities in Support of Optimal Microalgae Growth and Lipid Production</u>  |                                    |
| Brown, Susan L.  | Department of Oceanography         |
| Isolate and maintain new microalgae strains from nature. Prescreen new and existing strains for thermal and halo-tolerance, autoflocculation and other desirable cell characteristics relevant to large-scale production.  |                                    |
| Cellana LLC  | \$60,908                           |
| <u>Analysis of Biochemical Constituents (ABC) for Optimal Microalgae Biomass and Lipid Production</u>  |                                    |
| Bidigare, Robert R   | Hawaii Institute of Marine Biology |
| Develop and apply standard operating procedures (SOPs) for harmonization and deployment throughout project laboratories to measure a range of key biochemical metrics of performance, up to the level of molecular characterization.   |                                    |
| Exxon Mobil Corporation  | \$120,000                          |
| <u>Self-Changing of Animal Hearing to Mitigate the Effects of Loud Sound</u>   |                                    |
| Nachtigall, Paul E   | Hawaii Institute of Marine Biology |
| Whales and dolphins dramatically change their hearing when they echolocate. We will investigate whether they can voluntarily change their hearing when warned that a loud sound is coming by the presentation of either an alerting sound or light.  |                                    |
| Jet Propulsion Lab   | \$27,000                           |
| <u>Cassini Solstice Mission</u>  |                                    |
| Owen, Tobias   | Institute for Astronomy            |
| To study seasonal and other long-term temporal changes on Saturn and its moons, from northern winter solstice to northern summer solstice. The mission extension will allow for continued observations of Saturn's rings and the magnetic bubble around the planet known as the magnetosphere.               |                                    |
| Jet Propulsion Lab   | \$16,262                           |
| <u>SPIRE Snapshot Survey of Massive Galaxy Clusters</u>  |                                    |
| Ebeling, Harald  | Institute for Astronomy            |
| We propose to use the SPIRE instrument aboard the Herschel satellite to conduct a snapshot survey of over 200 massive galaxy clusters. Our goal is to discover distant background galaxies that are gravitationally amplified by the clusters, thereby making them accessible to in-depth follow-up studies. |                                    |

## Gifts, Grants, and Contracts for June 2011

### Research

#### Mainland- Business and Other

- Jet Propulsion Lab \$12,006  
Pillars of Creation: Physical Origin and Connection to Star Formation  
Williams, Jonathan P. Institute for Astronomy  
We propose to use the Herschel Space Observatory to observe pillar structures in three regions. These observations will be compared to existing data to study the physics of pillars and will additionally serve as input for models to explain pillar formation and star formation within them.
- Jet Propulsion Lab \$11,368  
A Disk Census for New Low-Mass Members of TWA (TW Hya Association)  
Liu, Michael C Institute for Astronomy  
We will analyzed far-IR photometry from Herschel to search for circumstellar disks around new low-mass members of the TW Hydrae Association.
- Quantitative Morphology Consulting Inc. \$75,000  
Dolphin Head Related Transfer Function Measurements  
Nachtigall, Paul E Hawaii Institute of Marine Biology  
Measure the hearing sensitivity of the bottlenose dolphin using evoked auditory potentials in order to facilitate the modeling effort.

#### Mainland- Non-Profit Organizations

- Simons Foundation \$7,000  
Congruences Related to Modular and Mock Modular Forms  
Guerzhoy, Pavel Department of Mathematics  
Scientific travel by the grantee and scientific visits to the grantee's institutions.

#### National Aeronautics and Space Administration

- National Aeronautics & Space Administration \$50,989  
Assessment of Lunar Resources: Using Targeted Observations of Mini-RF in Conjunction with Data from LROC, LEND, DLRE, LOLA, and LAMP  
Gillis-Davis, Jeffrey Hawaii Institute of Geophysics and Planetology  
The proposed work will create a list of lunar geologic features to target with the Lunar Reconnaissance Orbiter mini radar. Data will be acquired of basalt flows of varying titanium content and lunar pyroclastic deposits to investigate the resource potential of these two types of deposits.
- National Aeronautics & Space Administration \$120,000  
Mineralogy, Petrology, and Isotope Composition of Chondrite Components  
Krot, Alexander N Hawaii Institute of Geophysics and Planetology  
To confirm a genetic relationship between rare flat earth element (chondrules), we propose to analyze isotope compositions and trace element abundances in rare chondrules. Using measuring instruments such as the Cameca Ims-1280.
- National Aeronautics & Space Administration \$85,000  
Isotopic Analysis of Stardust Samples by Ion Microprobe  
Huss, Gary Robert Hawaii Institute of Geophysics and Planetology  
We will use the UH Cameca Ims 1280 ion microprobe to make isotopic measurements of comet samples that were returned by NASA's Stardust Mission to comet Wild 2.

## Gifts, Grants, and Contracts for June 2011

### Research

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$15,000

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 \$40,700

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 \$87,851

A NASA Calibrated, Multi-Wavelength Atlas of Luminous Infrared Galaxies

Sanders, David Bruce Institute for Astronomy

Produce an atlas of Luminous Infrared Galaxies using NASA multi-mission archives.

#### National Science Foundation

National Science Foundation \$36,248

Logistical Support for the Continuation of the US GEOTRACES North Atlantic Basin Section (Shipboard Trace Elements)

Measures, Christopher Department of Oceanography

Participate in a cruise from 10/01/2011 in Cape Verde Islands, the cruise is a continuation of the US GEOTRACES

North Atlantic Basin cruise that was terminated in the Cape Verde Islands on 11/04/2010 as a result of problems

National Science Foundation \$148,018

Studies on Dynamics of ENSO (El Niño-Southern Oscillation) Complexity

Jin, Fei-Fei Department of Meteorology

This renewing project focuses on investigating the physical mechanism for complex behavior of ENSO (El Niño-Southern Oscillation) and the underlying mechanisms that controls ENSO responses to the tropical climate changes associated with Global Warming.

National Science Foundation \$128,678

REVSYS: Systematics of Paleotropical Grammitid Ferns (Polypodiaceae): Using Phylogenies to Resolve Generic Circumscriptions and Explore the Evolution of Morphological Characters

Ranker, Thomas A Department of Botany

The proposed project is a molecular and morphological phylogenetic study of a group of paleotropical ferns.

National Science Foundation \$249,966

Hawaiian Land Snail Biodiversity: Systematics, Phylogenetics and Conservation Status of a Vanishing Fauna

Hayes, Kenneth A Pacific Biosciences Research Center

The work is aimed at surveying for all the native non-marine snails in the Hawaiian Islands and determining their identities and relationships to other snails.

## Gifts, Grants, and Contracts for June 2011

### Research

#### National Science Foundation

National Science Foundation \$188,079

CAREER: The Cosmic Metallicity and Star Formation History of Galaxies

Kewley, Lisa J Institute for Astronomy

The PI proposes a large research program to gain a simultaneous understanding of the metallicity and star formation history of galaxies between  $0 < z < 3$ .

National Science Foundation \$344,424

Microfluidic Devices for Tunable RF Communication Systems

Ohta, Aaron T Department of Electrical Engineering

Creation of devices for the patterning, culturing, and sorting of cells using novel methods and with improved performance. Minority students will be recruited for research work. Project-based courses, video tutorials, and K-12 outreach seminars will be developed.

National Science Foundation \$267,420

Collaborative Research: Magmatic Evolution of Kilauea Volcano, Hawaii: Past, Present and Future

Garcia, Michael Department of Geology and Geophysics

A geochemical study to assess past, present and future compositional variations in Kilauea lavas. Two time-series experiments are proposed using lavas from the Puu Oo and Halemaumau eruptions. Also, lavas from the ~2 km long, ~200 ka SOH1 and drill core will be examined.

National Science Foundation \$43,719

Collaborative Research: US GEOTRACES North Atlantic Section - Nd Isotope Distribution: Sources, Sinks and Internal Cycling

Pahnke, Katharina Department of Geology and Geophysics

We will participate in the rescheduled U.S. GEOTRACES North Atlantic cruise to study processes that affect the distribution, sources, sinks and cycling of Nd Isotopes in the ocean.

National Science Foundation \$19,391

Collaborative Research: A 3-D Seismic Investigation of the Nankai Trough Plate Boundary System in the Kumano Basin

Moore, Gregory F Department of Geology and Geophysics

This supplementary request is to bring a Japanese colleague from Tohoku University in Sendai, Japan, to UH for 6 weeks to work on correlating earthquake data with our 3D seismic data set.

National Science Foundation \$165,000

Magnetostratigraphy and Polarity Transitions Studies of Lavas of the Island of Lanai, Hawaii

Herrero-Bervera, Emilio Hawaii Institute of Geophysics and Planetology

Understanding geomagnetic and geodynamo processes of lava on Lanai.

National Science Foundation \$95,518

Collaborative Research: The Southeast Mariana Forearc Rifts and the Southernmost Mariana Trough Spreading Center: New Insights into the Tectonics and Magmatism of Intraoceanic Arcs

Martinez, Fernando Hawaii Institute of Geophysics and Planetology

This is a collaborative research proposal to carry out a marine geophysical and rock sampling cruise in the western Pacific Ocean and to analyze the data acquired.

## Gifts, Grants, and Contracts for June 2011

### Research

#### US Colleges and Universities

|   |   |
|---|---|
| California Irvine, University of  | \$226,896   |
| <u>Genetic Signatures of Dengue Virus Emergence</u>   |   |
| Bennett, Shannon N  | Dept of Trop Med, Medical Microbiology and Pharmacology |
| Dengue virus, causing fever with occasional hemorrhaging, is expanding worldwide, producing more frequent, severe epidemics. Evidence suggests genetic changes in circulating viruses underlie these dynamics. We compare virus sequence data from multiple populations all undergoing endemic/epidemic transitions for a universal genetic factor. |   |
| Minnesota, University of  | \$78,256  |
| <u>Mechanisms of Ethnic Differences in Lung Cancer Due to Cigarette Smoking</u>   |   |
| Le Marchand, Loic   | UH Cancer Center  |
| This study will examine genetic factors for ethnic differences in the metabolism of nicotine and tobacco carcinogens and its relation to the risk of lung cancer.   |   |
| Mississippi, University of  | \$25,073  |
| <u>Adaptive Planning for Sea-Level Rise in Maui and Hawaii Counties</u>   |   |
| Owens, Tara   | School of Ocean and Earth Science and Technology        |
| The proposed project will examine the existing regulatory framework for managing the shoreline in Maui and Hawaii Counties in the context of sea-level rise, and propose recommendations for new or revised policies.   |   |
| Oregon State University   | \$56,690  |
| <u>EAGER: Building Networks and Study Systems to Advance Research on the Biology of Pacific Corals</u>  |   |
| Gates, Ruth D   | Hawaii Institute of Marine Biology                      |
| The project focuses on understanding the basic biology of corals, to ultimately develop strategies that could help corals adjust to and survive an era of climate change. The work is a research, education and cultural exchange between Oregon State University, Vassar College, UH and NMMBA, Taiwan and mainland China.                         |   |
| Southern California, University of  | \$49,239  |
| <u>NASA Astrobiological Institute (NAI): "Temperature and Pressure as Microbial Physiological Variables in Low-Energy Deep Subseafloor Habitats"</u>  |   |
| Robador, Alberto  | Institute for Astronomy                                 |
| Study of temperature and pressure as microbial physiological variables in low energy environments may help to elucidate the role and nature of microorganisms involved in the biogeochemical cycling of elements in the subsea floor.   |   |
| Stanford University   | \$22,500  |
| <u>WHI Extension 2010-2015 Western Regional SUB</u>   |   |
| Bell, Christina   | Department of Geriatric Medicine                        |
| Development of ancillary studies and research papers for WHI.   |   |

**Subcount:** 112

**Subtotal:** \$27,833,200



## Gifts, Grants, and Contracts for June 2011

### Non-Research

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

Health & Human Svc, Dept - Agency for Healthcare Research & Quality \$68,238

Pacific Institute of Nursing Research Conference

Mark, Debra D Department of Nursing

To provide funds for a pre-conference workshop as well as travel stipends for nurses from neighbor islands and the Pacific Rim to attend the PIN conference during the years 2009-2012.

Health & Human Svc, Dept - Hlth Res & Svcs Adm (HRSA) \$56,260

Advanced Education Nursing Traineeship

Koury, Merle School of Nursing and Dental Hygiene

Traineeship project is to provide financial support through traineeship for registered nurses enrolled in advanced education programs to prepare nurse practitioners, clinical nurse specialists, nurse administrators, and other specialties.

Health & Human Svc, Dept - Natl Inst of Health (NIH) \$102,185

Office of Research Development (EARDA)

Inouye, Jillian Department of Nursing

The School of Nursing and Dental Hygiene, the Manoa lead for the Extramural Associated Development Award effort, will collaborate with the Office of Sponsored Research to enhance faculty research in the biomedical and behavioral sciences by offering workshops and seminars; providing a mentoring/collaborative program; and supporting pilot research.

Health & Human Svc, Dept - Sbstnc Abuse & Mntl Hlth Svcs Adm \$100,000

UH Multi-Campus Suicide Prevention Project

Tanouye, Allyson M Vice President for Student Affairs

Infrastructure building for 10 University of Hawaii system campuses for suicide prevention. Activities include promotion of wellness, needs assessment through wala'au sessions, creation of media, brochures, posters, resource development, and travel to sister campuses.

Health & Human Svc, Dept/NIH - Natl Heart, Lung, & Blood Inst \$144,990

Cardiovascular Autonomic Function in HIV Virologic Failure

Chow, Dominic Cheung Department of Medicine

To determine the autonomic function of HIV-infected individuals with viremia compared with HIV-infected individuals with virologic suppression.

Health & Human Svc, Dept/NIH - Natl Inst of Diabetes, Digestive, Kidney Dis \$17,890

High School Students Step Up to Biomedical Research

Hui, George S N Dept of Trop Med, Medical Microbiology and Pharmacology

Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.

#### DOC-Dept of Commerce

Commerce, Dept/NOAA - Natl Marine Fisheries Svc \$224,938

UH Manoa Marine Option Program Support

Hunter, Cynthia L. Biology Program

Support UH Marine Option Program Director (25%), Manoa Coordinator, Student Coordinator, Student Office Assistants, travel, grant management training, field and office supplies, and study center computers/software.

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### DOD-Department of Defense

|   |  |
|---|--|
| Defense, Dept - Air Force Ofc of Scientific Rsch  | \$55,000   |
| <u>Retrodirective Radar Calibration Nanosatellite</u>   |  |
| Shiroma, Wayne Akira  | Department of Electrical Engineering             |
| Train students in the design, fabrication, and test of a small satellite                        |  |
| Defense, Dept - Office of Naval Research  | \$15,000   |
| <u>Research Vessel Operations and At-Sea Technical Services, University of Hawaii 2009-2011</u> |  |
| Shor, Alexander N   | School of Ocean and Earth Science and Technology |
| To provide ONR with ship time and technical support in 2009 on R/V Kilo Moana.                  |  |
| Defense, Dept - Office of Naval Research  | \$51,450   |
| <u>Travel Support for Student Program at Oceans 2011 Conference</u>                             |  |
| Ghorbani, Reza  | Department of Mechanical Engineering             |
| Sponsoring travel of students to attend the Oceans 2011 Conference in Kona, Hawaii              |  |

#### ED-Dept of Education

|  |                                       |
|--|---------------------------------------|
| Education, Dept - FED  | \$449,515                             |
| <u>TRIO Upward Bound Programs - Leeward Community College</u>  |                                       |
| Manaseri, Christopher B  | Chancellor, Leeward Community College |
| Project provides college preparatory services, academic preparation, and other services designed to improve the college going rate and completion for students from low-income backgrounds and the first generation to achieve a college degree. |                                       |

#### Federal Agencies

|   |                                    |
|---|------------------------------------|
| Environmental Protection Agency   | \$17,000                           |
| <u>Resilience and Acclimatization Potential of Reef Corals Under Predicted Global Climate Change Stressors</u>  |                                    |
| Gates, Ruth D   | Hawaii Institute of Marine Biology |
| EPA STAR scholarship to support Hollie Putnam to conduct Ph.D. research aimed at examining the potential for corals to acclimatize to climate change stressors (increased temperature and ocean acidification). |                                    |
| National Fdn on the Arts & Humanities-Natl Endow for the Arts   | \$10,000                           |
| <u>MANOA: A Pacific Journal of International Writing</u>  |                                    |
| Stewart, R F  | Department of English              |
| Publication of an international literary journal twice a year.  |                                    |

#### Foreign

|  |                                       |
|--|---------------------------------------|
| American Samoa, Govt of  | \$300,000                             |
| <u>American Samoa Economic Disaster Recovery Plan</u>  |                                       |
| Morton, John F   | Vice President for Community Colleges |
| The Pacific Business Center Program at the University of Hawaii will provide technical assistance which will complement, strengthen, and sustain the disaster recovery initiatives by the American Samoa Government and disaster relief Federal programs in American Samoa to restore and improve government operations and services |                                       |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Foreign

adversely impacted by the September 29, 2009 natural disaster.

|  |                                  |
|--|----------------------------------|
| Okinawa Prefectural Government   | \$858,936                        |
| <u>Okinawa Postgraduate Medical Education Program</u>  |                                  |
| Izutsu, Satoru   | John A. Burns School of Medicine |
| To provide an American style medical residency training program at Okinawa Chubu Hospital for graduates from Japanese medical schools. |                                  |
| Tohoku University  | \$180,072                        |
| <u>PLANETS Telescope Mirror Design and Acquisition</u>   |                                  |
| Kuhn, Jeffrey R.   | Institute for Astronomy          |
| Create design specifications and purchase mirror for telescope. Identify and prepare for polishing stage of mirror.                    |                                  |

#### Hawaii- Business and Other

|   |   |
|---|---|
| East West Center  | \$10,170  |
| <u>Study of the U.S. Institute on Global Environmental Issues</u>   |   |
| Cusick, John H  | Environmental Center of the University of Hawaii at Manoa |
| Provide lectures, individual and small group lessons, and travel with participants of the environmental leadership programs and assist East West Center program staff on field studies programs on Oahu and U.S. mainland. Lead background research on organizations and resources for current and future programs, draft and pursue publication and funding opportunities. |   |
| Kamehameha Schools  | \$63,000  |
| <u>Kamehameha Schools Support for UH HIP 2011</u>   |   |
| Ziegler-Chong, Sharon   | Pacific Aquaculture-UHH                                   |
| Support is for coordination and support of state-wide summer internship program and for interns to work with different conservation agencies and efforts  |   |
| Maui County Community Television, Inc   | \$36,353  |
| <u>MCC-TV Educational Access Television</u>   |   |
| Sakamoto, Clyde M   | Chancellor, University of Hawaii Maui College             |
| Manage, coordinate, and operate MCC-TV Educational Access Television. This channel is one of the designated providers of educational television programming in Maui County.   |   |
| Maui County Community Television, Inc   | \$36,807  |
| <u>MCC-TV Educational Access Television</u>   |   |
| Sakamoto, Clyde M   | Chancellor, University of Hawaii Maui College             |
| Manage, coordinate, and operate MCC-TV Educational Access Television. This channel is one of the designated providers of educational television programming in Maui County.   |   |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Business and Other

|   |                         |
|---|-------------------------|
| Oceanit Laboratories, Inc   | \$178,700               |
| <u>Oceanit Mantis Stargrasp Camera System</u>   |                         |
| Onaka, Peter  | Institute for Astronomy |
| Fabrication of Stargrasp focal plane array control electronics.                         |                         |
| Pacific Radiation Oncology, LLC   | \$35,303                |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-PRO-SURG</u>           |                         |
| Takanishi, Danny M Jr.  | Department of Surgery   |
| Agreement to provide medical education to students and residents in a clinical setting. |                         |

#### Hawaii- Dept of Education

|  |   |
|--|---|
| Education, Dept - HI   | \$550,000   |
| <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.  |   |
| Education, Dept - HI   | \$2,021,498   |
| <u>Felix Consent Decree Recruitment and Retention Personnel Plan</u>   |   |
| Sorensen, Christine  | College of Education                                  |
| A recruitment and retention personnel plan designed to build a sustained in-state capacity to produce additional Special Education teachers eligible for initial teaching licensure each year by the College of Education, specifically and deliberately prepared for career employment in the Hawaii Public Schools. Also, mentor program is used to help with retention of teachers. |   |
| Education, Dept - HI   | \$150,000   |
| <u>Kapalama Algebra Readiness in the Elementary School: KARES</u>  |   |
| Olson, Melfried  | Curriculum Research and Development Group             |
| This program will provide for three-years of staff development in mathematics for teachers at Kapalama Elementary School.  |   |
| Education, Dept - HI   | \$23,000  |
| <u>Data Analysis Services to the Farrington Complex Kalihi Learning Center 21st Century Community Learning Center Program</u>  |   |
| Higa, Terry Ann  | Curriculum Research and Development Group             |
| Confer with the Contract Administrator to coordinate timing of tasks. Compile and analyze program data using the templates. Report to the consortium by providing completed electronic template file with organized and aggregated data. Work directly with schools for Teacher surveys. Report surveys to the State and enter data into PPICS.  |   |

#### Hawaii- Government Agencies

|  |                                 |
|--|---------------------------------|
| Hawaiian Affairs, Office of-HI   | \$25,000                        |
| <u>Indigenous Politics/Indigenous Governance Exchange 2011</u>   |                                 |
| Aikau, Hokulani K  | Department of Political Science |
| Funds for UHM tuition and training stipends for students attending a seminar in Victoria B.C., Canada plus other |                                 |

# Gifts, Grants, and Contracts for June 2011

## Non-Research

### Hawaii- Government Agencies

costs related to the seminar team taught by UHM and University of Victoria faculty.

|  |   |
|--|---|
| Hawaiian Affairs, Office of-HI   | \$125,000   |
| <u>A'o Aku A'o Mai Cooperative Agreement</u>   |   |
| Sproat, Dana K   | William Richardson School of Law                        |
| This program will address Office of Hawaiian Affairs (OHA) strategic priority of Aina.   |   |
| Health, Dept - Adult Mental Health-HI  | \$490,400   |
| <u>Adult Residency Contract</u>  |   |
| Matsu, Courtenay   | Department of Psychiatry                                |
| Provide training and administrative support to psychiatric residents and fellows for the Department of Health, Adult Mental Health Division as outlined in the Scope of Services.  |   |
| Health, Dept - HI  | \$60,000  |
| <u>Hawaii Health Data Warehouse</u>  |   |
| Maddock, Jason E.  | John A. Burns School of Medicine                        |
| Maintain the operation of the HHDW with the addition of new licenses, data sets, hardware (Servers), new reports and expand technical training. Enhance the functionality of the warehouse and website.  |   |
| Health, Dept - HI  | \$240,000   |
| <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.  |   |
| High Technology Development Corp-HI  | \$9,800   |
| <u>HTDC Manufacturing Extension Partnership Program</u>  |   |
| McKee, John  | Chancellor, University of Hawaii Maui College           |
| To provide energy assessment training courses to Maui County students, culminating in onsite energy assessments with manufacturing clients on Maui.  |   |
| Human Services, Dept - HI  | \$463,704   |
| <u>Vocational Rehabilitation Needs Assessment</u>  |   |
| Izutsu, Satoru   | John A. Burns School of Medicine                        |
| Project Goals & Objectives to: 1) Conduct an assessment of Vocational Rehabilitation Outcomes, consumer satisfaction with Vocational Rehabilitation Services, and Long Term (2 year) Vocational Rehabilitation Service Impact, 2) To provide technical assistance, and 3) To provide a website with information. |   |
| Human Services, Dept - HI  | \$102,801   |
| <u>UH - CES Supplemental Nutrition Assistance Program - Education</u>  |   |
| Kanehiro, Naomi A  | Department of Human Nutrition, Food and Animal Sciences |
| Project priorities are to explore practical ways to influence positive nutrition behaviors and to interactively deliver nutrition education services for Supplemental Nutrition Assistance Program participants and those eligible to participate. Supplemental funding to support FY 2010.                      |   |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Government Agencies

|  |                                  |
|--|----------------------------------|
| Human Services, Dept - HI  | \$739,900                        |
| <u>Training Required to Implement Hawaii's Child Welfare Program Improvement Plan - Task Order #Law 3</u>  |                                  |
| Tochiki, Laurie Arial  | William Richardson School of Law |
| Provide training for the department of Human Services, and for students in law, nursing, education and social work that addresses key program improvement strategies to the Child Welfare System.                  |                                  |
| Land & Natural Res, Dept - HI  | \$2,500                          |
| <u>PCSU Firefighting Support in Conservation Research Areas</u>  |                                  |
| Duffy, David C   | Department of Botany             |
| PCSU conservation workers will provide firefighting support to the State during wildfires on sites conducting conservation research, PCSU workers will be limited to logistical support and firefighting "mop up." |                                  |

#### Hawaii- Health Organizations

|   |  |
|---|--|
| Castle Medical Center   | \$13,006   |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-CMC-OME</u>            |  |
| Sakai, Damon H  | John A. Burns School of Medicine                         |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kalihi-Palama Health Center   | \$33,269   |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-KPHC-OBGYN</u>         |  |
| Sauvage, Lynnae Millar  | Department of Obstetrics, Gynecology, and Women's Health |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kapiolani Medical Center  | \$150,000  |
| <u>Faculty Support Agreement Fiscal Year 2012 - Agreement No. FSA12-KMCWC-OBGYN-MFM</u> |  |
| Sauvage, Lynnae Millar  | Department of Obstetrics, Gynecology, and Women's Health |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kapiolani Medical Center for Women & Children   | \$44,291   |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-KMCWC-SURG</u>         |  |
| Takanishi, Danny M Jr.  | Department of Surgery                                    |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kapiolani Medical Center for Women & Children   | \$170,000  |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. FSA12-KMCWC-PEDS-CRP</u>    |  |
| Nakamura, Kenneth T   | Department of Pediatrics                                 |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kapiolani Medical Center for Women & Children   | \$1,720,000  |
| <u>Faculty Support Agreement Fiscal Year 2012 - Agreement No. SF11-KMCWC-PEDS-EXEC</u>  |  |
| Nakamura, Kenneth T   | Department of Pediatrics                                 |
| Agreement to provide medical education to students and residents in a clinical setting. |  |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Health Organizations

|   |  |
|---|--|
| Kapiolani Medical Center for Women & Children   | \$335,726  |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-KMCWC-PEDS</u>         |  |
| Nakamura, Kenneth T   | Department of Pediatrics                                 |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kapiolani Medical Specialists   | \$278,753  |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-KMS-PSYCH</u>          |  |
| Andrade, Naleen N   | Department of Psychiatry                                 |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kapiolani Medical Specialists   | \$1,688,808  |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-KMS-PEDS</u>           |  |
| Nakamura, Kenneth T   | Department of Pediatrics                                 |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kuakini Medical Center  | \$60,480   |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-KUA-GERI</u>           |  |
| Masaki, Kamal H   | Department of Geriatric Medicine                         |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kuakini Medical Center  | \$757,481  |
| <u>Reimbursement Agreement Fiscal Year 2012 ; Agreement No. SF12-KUAKINI-SURG</u>       |  |
| Takanishi, Danny M Jr.  | Department of Surgery                                    |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Kuakini Medical Center  | \$174,422  |
| <u>Reimbursement Agreement Fiscal Year 2012 ; Agreement No. SF12-KUAKINI-MED</u>        |  |
| Tam, Elizabeth K  | Department of Medicine                                   |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Pacific In Vitro Fertilization Institute  | \$75,000   |
| <u>Faculty Support Agreement Fiscal Year 2012 - Agreement No. FSA12-PIVF-OBGYN</u>      |  |
| Sauvage, Lynnae Millar  | Department of Obstetrics, Gynecology, and Women's Health |
| Agreement to provide medical education to students and residents in a clinical setting. |  |
| Pacific In Vitro Fertilization Institute  | \$18,068   |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-PIVF-OBGYN</u>         |  |
| Sauvage, Lynnae Millar  | Department of Obstetrics, Gynecology, and Women's Health |
| Agreement to provide medical education to students and residents in a clinical setting. |  |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Health Organizations

|   |                          |
|---|--------------------------|
| Queen's Medical Center  | \$336,118                |
| <u>Reimbursement Agreement Fiscal Year 2010 - Agreement No. SF12-QMC-SURG</u>           |                          |
| Takanishi, Danny M Jr.  | Department of Surgery    |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$95,074                 |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QMC-SURG-URO</u>       |                          |
| Takanishi, Danny M Jr.  | Department of Surgery    |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$340,153                |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QEC-SURG</u>           |                          |
| Takanishi, Danny M Jr.  | Department of Surgery    |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$205,094                |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QEC-MED</u>            |                          |
| Tam, Elizabeth K  | Department of Medicine   |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$55,149                 |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QMC-MED</u>            |                          |
| Tam, Elizabeth K  | Department of Medicine   |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$642,246                |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QEL-MED</u>            |                          |
| Tam, Elizabeth K  | Department of Medicine   |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$176,303                |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QEC-PEDS</u>           |                          |
| Nakamura, Kenneth T   | Department of Pediatrics |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |
| Queen's Medical Center  | \$418,290                |
| <u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-QMC-SURG-ORTHO</u>     |                          |
| Takanishi, Danny M Jr.  | Department of Surgery    |
| Agreement to provide medical education to students and residents in a clinical setting. |                          |



## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Health Organizations

|   |             |
|---|-------------|
| Rehabilitation Hospital of the Pacific<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-REHAB-MED</u><br>Tam, Elizabeth K Department of Medicine<br>Agreement to provide medical education to students and residents in a clinical setting.  | \$17,602    |
| Straub Clinic & Hospital<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-STRAUB-SURG</u><br>Takanishi, Danny M Jr. Department of Surgery<br>Agreement to provide medical education to students and residents in a clinical setting.   | \$33,177    |
| University Clinical, Ed & Research Assoc. (UCERA)<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-UCERA-GERI</u><br>Masaki, Kamal H Department of Geriatric Medicine<br>Agreement to provide medical education to students and residents in a clinical setting.                                 | \$689,386   |
| University Clinical, Ed & Research Assoc. (UCERA)<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-UCERA-PEDS</u><br>Nakamura, Kenneth T Department of Pediatrics<br>Agreement to provide medical education to students and residents in a clinical setting.                                     | \$23,453    |
| University Clinical, Ed & Research Assoc. (UCERA)<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-UCERA-OD-INTL</u><br>Izutsu, Satoru John A. Burns School of Medicine<br>Agreement to provide medical education to students and residents in a clinical setting.                               | \$21,954    |
| University Clinical, Ed & Research Assoc. (UCERA)<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-UCERA-OBGYN</u><br>Sauvage, Lynnae Millar Department of Obstetrics, Gynecology, and Women's Health<br>Agreement to provide medical education to students and residents in a clinical setting. | \$3,949,116 |
| University Clinical, Ed & Research Assoc. (UCERA)<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF12-UCERA-PSYCH</u><br>Andrade, Naleen N Department of Psychiatry<br>Agreement to provide medical education to students and residents in a clinical setting.                                      | \$2,094,994 |
| University Clinical, Ed & Research Assoc. (UCERA)<br><u>Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF 11/12-UCERA-SURG</u><br>Takanishi, Danny M Jr. Department of Surgery<br>Agreement to provide medical education to students and residents in a clinical setting.                                 | \$467,431   |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Health Organizations

Waianae Coast Comprehensive Health Ctr \$2,381  
Waianae Health Academy - Ola Loa Ka Naauao - 09/01/10 - 08/31/11  
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. Also provide a Nurse Aide non-credit program.

#### Hawaii- Non-Profit Organizations

Asia-Pacific Economic Cooperation 2011 Hawai'i \$83,838  
APEC 2011 Hawaii Training Proposal - Kapiolani Community College  
Hoshiko, Carol A Chancellor, Kapiolani Community College  
Kapiolani Community College (KCC), through its Office for Continuing Education and Training (OCET) will provide coordination, registration, scheduling, and on-site management services for the APEC training sessions.

Hau'oli Mau Loa Foundation \$65,450  
The Coordinating Group on Alien Pest Species (CGAPS) Database Pilot Project  
Duffy, David C Department of Botany  
Review and organize presence/absence data and potential pathway information on pests with a high risk to enter Hawaii.

Hawaii Community Foundation (HCF) \$2,000  
Homegrown MDs  
Sanders, Beth H Chancellor, Hawaii Community College  
To educate ETS participants interested in the medical profession on medical related opportunities and educational requirements. Provide job information and knowledge through professional guest speakers, workshops, club identification, and potential career shadowing opportunities in an attempt to encourage interest in the medical profession.

Olelo Community Television \$20,000  
Hawaii Educational Networking Consortium (HENC)  
Lassner, David K Information Technology Services  
To provide oversight of the two educational access cable television channels (channel 55 and 56) provided for accredited education of Oahu.

University of Hawaii Foundation \$39,800  
Waikiki Ecosystem Restoration Project (Phase II)  
Grau, E Gordon Sea Grant College Program  
To support a position for a UH Sea Grant College Program Extension Coordinator who is primarily dedicated to the Waikiki Ecosystem Restoration Project.

University of Hawaii Foundation \$24,000  
Twenty Five Years of Edwin W. Pauley Summer Programs in Marine Biology: A Synthesis of Scientific Contributions and Human Resource Development  
Leong, Jo-Ann C. Hawaii Institute of Marine Biology  
We propose to retrospectively identify the scientific contributions of the Pauley Summer Program. The methods of dissemination for this information will be the creation of two web-based resources, an enhanced Edwin W. Pauley Summer Program website and the novel Kane'ohe Bay Information System website.

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Hawaii- Non-Profit Organizations

|   |   |
|---|---|
| University of Hawaii Foundation   | \$3,600   |
| <u>Mizushima International Kimono Program</u>   |   |
| Young, Donald B Jr.   | Curriculum Research and Development Group             |
| To conduct the project entitled: "Mizushima International Kimono Program"   |   |
| University of Hawaii Foundation   | \$2,500   |
| <u>The Primal Quest</u>   |   |
| Herman, Louis G   | Chancellor, University of Hawaii at West Oahu         |
| \$2,500 in matching funds pledged from Doran Foundation for lecturer replacement for one course to enable work on completing book manuscript and developing film production "Primal Quest".   |   |
| University of Hawaii Foundation   | \$240,406   |
| <u>STAR: Using Technology to Enhance the Academic Journey</u>   |   |
| Rodwell, Gary   | Office of Undergraduate Education                     |
| The project has two phases; 1) The expansion of STAR to help with forecasting course demand, student planning, and intelligent registration communications to keep students on track, thus decreasing time and additional credits to graduation; 2) Expanding STAR as an open-source tool to be used across states and regions as a long-term goal. |   |
| University of Hawaii Foundation   | \$1,500   |
| <u>Vulcan Athletic Club Fund</u>  |   |
| Irvin, Larry Dexter   | Chancellor, University of Hawaii at Hilo-UHH          |
| Website development, create and maintain membership and donor mailing lists, create newsletters, general administrative assistant assignments for UHH Athletics Department  |   |
| University of Hawaii Foundation   | \$43,070  |
| <u>WCC/UHF Pacific Initiative for Environmental Studies</u>   |   |
| Krupp, David A  | Chancellor, Windward Community College                |
| Undergraduate and K-12 education and outreach in environmental studies.   |   |
| University of Hawaii Foundation   | \$73,198  |
| <u>P-20 Educational Outcomes</u>  |   |
| Johnsrud, Linda K   | Executive Vice President for Academic Affairs/Provost |
| To pay for salary and fringe cost for Hawaii P-20 staff to implement the Hawaii P-20 Initiative Strategic Plan.   |   |
| University of Hawaii Foundation   | \$15,319  |
| <u>"Luce Foundation East Asian Archeology and Early History Initiative" - Agreement between UHF and UH</u>  |   |
| Stark, Miriam T   | Department of Anthropology                            |
| Agreement modification between UHF [via Luce Foundation] and UH [RCUH] to utilize remaining funds of \$15,319.01 to accommodate salary and fringe benefits for UH employee, Rachel Hoerman (Junior Specialist, Pos. Number 88416). To be paid from UH account #438755.  |   |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### Mainland- Business and Other

|   |   |
|---|---|
| Novartis Pharmaceuticals Corp   | \$76,936                                      |
| <u>CSPV100AUS05: To Evaluate the Efficacy and Safety of the Combination of Valtorna and Amlodipine or Valtorna and Chlorthalidone vs Valtorna Alone</u>   |   |
| Arakaki, Richard F  | Department of Medicine                        |
| This study is a 3 arm, forced titration study designed as an evaluation of the blood pressure lowering efficacy of the combination of Valtorna and Amolodipine vs Valtorna alone. A secondary objective will be to evaluate the blood pressure lowering efficacy of the combination of Valtorna and Chlorthalidone vs Valtorna alone. |   |
| RK Consulting   | \$20,000                                      |
| <u>Rob Knourek MALT Internship</u>  |   |
| Hoffman, Mark G   | Chancellor, University of Hawaii Maui College |
| Training in the development of database applications for the internet.  |   |
| Thirty Meter Telescope Observatory Corporation  | \$43,625                                      |
| <u>Hawaii Island Akamai Program</u>   |   |
| Hunter, Lisa  | Institute for Astronomy                       |
| Provide housing, meals, transportation and supplies for 12 students to participate in the Akamai workshops on the island of Hawaii.   |   |

#### Mainland- Non-Profit Organizations

|  |                                 |
|--|---------------------------------|
| John Snow, Inc.  | \$35,000                        |
| <u>Hawaii Health Data Warehouse, Healthy People 2020</u>   |                                 |
| Maddock, Jason E.  | Office of Public Health Studies |
| We propose to use the 2020 Action funding to increase the visibility and availability of the Healthy People 2020 measures in Hawaii using the Hawaii Health Data Warehouse (HHDW). The project will include aligning HHDW indicators with HP2020, creating new data indicators and in-depth summary reports by chapter in HHDW, convening a group of internal and external stakeholders to review the data and creating additional HP2020 indicators for the tracker in the Hawaii Health Matters website. |                                 |
| Western States Arts Federation (WESTAF)  | \$2,500                         |
| <u>First Person: Seeing America</u>  |                                 |
| Slaughter, Timothy Roy   | Outreach Community Programs     |
| Performance and workshops by musical group and narrators interspersed with images from the collection of the Metropolitan Museum of Art.   |                                 |

#### National Science Foundation

|   |                            |
|---|----------------------------|
| National Science Foundation   | \$119,892                  |
| <u>Ka`imi`ike: Explorations in the Geosciences for Native Hawaiians and Pacific Islanders (Track 2)</u>   |                            |
| Gibson, Barbara A.  | Department of Oceanography |
| Ka`imi`ike aims to introduce Native Hawaiians and Pacific Islanders to fields in the geosciences through an exploratory summer institute where local geoscientist showcase their careers and research. Activities that utilize GPS, GIS, and remote sensing technologies will be emphasized, and the program will provide a venue for a cooperative internship program. |                            |

## Gifts, Grants, and Contracts for June 2011

### Non-Research

#### National Science Foundation

National Science Foundation \$271,209

Partnership for Advanced Marine and Environmental Science Training for Pacific Islanders

Richmond, Robert H Pacific Biosciences Research Center

Continued partnership with Pacific Island community colleges to strengthen their marine and environmental sciences programs, and facilitate articulation to 4 year degree programs.

National Science Foundation \$38,033

Support of BGSW6: The 6th Biennial Geochemical SIMS Workshop; November 2-4, 2011 at the Outrigger Reef Hotel, Honolulu, Hawaii

Huss, Gary Robert Hawaii Institute of Geophysics and Planetology

This proposal requests funds to hold the 6th Biennial Geochemical SIMS Workshop on November 2-4, 2011. This meeting brings together scientists from all over the world to discuss SIMS research. It will showcase the W.M. Keck Comsochemistry Laboratory at the University of Hawaii.

National Science Foundation \$1,895,000

University of Hawaii Ship Operations 2005-2009

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

Continued operation of research vessels Kilo Moana and Kalmikai-O-Kanaloa in support of NSF-funded ocean science.

#### US Colleges and Universities

Kamaile Academy, Public Charter School \$8,845

CREDE Professional Development at Kamaile Academy

Yamauchi, Lois A Department of Educational Psychology

The purpose of this project is to (a) promote Kamaile Academy teachers' understanding and use of strategies of effective instruction for culturally diverse learners, (b) facilitate teachers' planning of a high school built on this model, and (c) evaluate the effects of professional development on teachers and students.

Massachusetts Worcester, University of \$15,000

UMMS Reynolds Subaward Agreement

Masaki, Kamal H Department of Geriatric Medicine

Subaward agreement with UMASS Worcester to provide technical assistance in development and integration of clinical skills assessment experience.

Miami, University of \$138,000

CHAART-II Laboratory Services

Gerschenson, Mariana Department of Cell and Molecular Biology

This fee for service contract will measure mitochondrial energy and oxidative stress in frozen cells.

Washington, University of \$50,000

Ocean Observatories Initiative Regional Scale Nodes Project Scientist - Continuation

Luther, Douglas S Department of Oceanography

Dr. Doug Luther (University of Hawaii) will provide support for the University of Washington Ocean, Observatories Initiative Regional Scale Nodes Office in developing community engagement with the OOI/RSN and ensuring synergy between scientific objectives and technological capabilities.

|                  |                   |                  |                            |
|------------------|-------------------|------------------|----------------------------|
| <b>Subcount:</b> | <b>93</b>         | <b>Subtotal:</b> | <b>\$26,431,356</b>        |
| <b>Count:</b>    | <b><u>205</u></b> | <b>Total:</b>    | <b><u>\$54,264,556</u></b> |

# Funds Received from UH Foundation for 06/01/2011 - 06/30/2011

## Non-Research

### Hawaii- Non-Profit Organizations

|   |   |
|---|---|
| University of Hawaii Foundation   | \$39,800  |
| "Waikiki Ecosystem Restoration Project (Phase II)"  |   |
| Grau, E Gordon  | Sea Grant College Program                             |
| To support a position for a UH Sea Grant College Program Extension Coordinator who is primarily dedicated to the Waikiki Ecosystem Restoration Project.   |   |
| University of Hawaii Foundation   | \$2,500   |
| "The Primal Quest"  |   |
| Herman, Louis G   | Chancellor, University of Hawaii at West Oahu         |
| \$2,500 in matching funds pledged from Doran Foundation for lecturer replacement for one course to enable work on completing book manuscript and developing film production "Primal Quest".   |   |
| University of Hawaii Foundation   | \$1,500   |
| "Vulcan Athletic Club Fund"   |   |
| Irvin, Larry Dexter   | Chancellor, University of Hawaii at Hilo-UHH          |
| Website development, create and maintain membership and donor mailing lists, create newsletters, general administrative assistant assignments for UHH Athletics Department  |   |
| University of Hawaii Foundation   | \$73,198  |
| "P-20 Educational Outcomes"   |   |
| Johnsrud, Linda K   | Executive Vice President for Academic Affairs/Provost |
| To pay for salary and fringe cost for Hawaii P-20 staff to implement the Hawaii P-20 Initiative Strategic Plan.   |   |
| University of Hawaii Foundation   | \$43,070  |
| "WCC/UHF Pacific Initiative for Environmental Studies"  |   |
| Krupp, David A  | Chancellor, Windward Community College                |
| Undergraduate and K-12 education and outreach in environmental studies.   |   |
| University of Hawaii Foundation   | \$24,000  |
| "Twenty Five Years of Edwin W. Pauley Summer Programs in Marine Biology: A Synthesis"   |   |
| Leong, Jo-Ann C.  | Hawaii Institute of Marine Biology                    |
| We propose to retrospectively identify the scientific contributions of the Pauley Summer Program. The methods of dissemination for this information will be the creation of two web-based resources, an enhanced Edwin W. Pauley Summer Program website and the novel Kane'ohe Bay Information System website.                                      |   |
| University of Hawaii Foundation   | \$240,406   |
| "STAR: Using Technology to Enhance the Academic Journey"  |   |
| Rodwell, Gary   | Office of Undergraduate Education                     |
| The project has two phases; 1) The expansion of STAR to help with forecasting course demand, student planning, and intelligent registration communications to keep students on track, thus decreasing time and additional credits to graduation; 2) Expanding STAR as an open-source tool to be used across states and regions as a long-term goal. |   |
| University of Hawaii Foundation   | \$15,319  |
| ""Luce Foundation East Asian Archeology and Early History Initiative" - Agreement between UHF and UH"   |   |
| Stark, Miriam T   | Department of Anthropology                            |
| Agreement modification between UHF [via Luce Foundation] and UH [RCUH] to utilize remaining funds of \$15,319.01 to accommodate salary and fringe benefits for UH employee, Rachel Hoerman (Junior Specialist, Pos. Number 88416).  |   |

# Funds Received from UH Foundation for 06/01/2011 - 06/30/2011

## Non-Research

### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$3,600  
 "Mizushima International Kimono Program"  
 Young, Donald B Curriculum Research and Development Group  
 To conduct the project entitled: "Mizushima International Kimono Program"

## Research

### Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$20,500  
 "CRCH Traineeship"  
 Carbone, Michele UH Cancer Center  
 Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.

University of Hawaii Foundation \$2,000  
 "Cell and Molecular Biology Program"  
 Humphreys, Tom D Pacific Biosciences Research Center  
 Study of development and regeneration of neural structures of *Ptychodera Flava*.

University of Hawaii Foundation \$60,000  
 "Philosophy for Children Research Associate"  
 Jackson, Thomas E Department of Philosophy  
 The Philosophy for Children Research Associate will gather data and conduct research on the effectiveness of a

University of Hawaii Foundation \$87,536  
 "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.

University of Hawaii Foundation \$1,706  
 "The L2 Child is Key: On the Development of Japanese by L1 English-Speaking Children"  
 Schwartz, Bonnie D Department of Second Language Studies  
 This research consists of a study on the acquisition of Japanese as a second language on the part of native English-speaking children in an all-day Japanese program in elementary school; the data come from a series of comprehension and production experiments.

University of Hawaii Foundation \$20,000  
 "Respiratory Health"  
 Tam, Elizabeth K Department of Medicine  
 Teach General Internal Medicine Ambulatory and inpatient care to medical students and medical residents, assist in clinical research, provide consultative care in inflammatory/immunologic diseases; develop/evaluate training

**Count: 15**

**Total: \$635,135**

**Extramural Research Awards  
for the Month of  
June 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        | 21                          | \$12,376,865               | 44.47%                |
| DOD-Department of Defense                     | 8                           | \$478,856                  | 1.72%                 |
| DOE-Dept of Energy                            | 4                           | \$4,752,555                | 17.08%                |
| DOI-Dept of Interior                          | 1                           | \$250,000                  | 0.90%                 |
| ED-Dept of Education                          | 1                           | \$399,995                  | 1.44%                 |
| Foreign                                       | 4                           | \$3,428,078                | 12.32%                |
| Hawaii- Business and Other                    | 3                           | \$101,586                  | 0.36%                 |
| Hawaii- Government Agencies                   | 22                          | \$2,022,388                | 7.27%                 |
| Hawaii- Health Organizations                  | 1                           | \$332,092                  | 1.19%                 |
| Hawaii- Non-Profit Organizations              | 15                          | \$616,602                  | 2.22%                 |
| Mainland- Business and Other                  | 8                           | \$522,528                  | 1.88%                 |
| Mainland- Non-Profit Organizations            | 1                           | \$7,000                    | 0.03%                 |
| National Aeronautics and Space Administration | 6                           | \$399,540                  | 1.44%                 |
| National Science Foundation                   | 11                          | \$1,686,461                | 6.06%                 |
| US Colleges and Universities                  | 6                           | \$458,654                  | 1.65%                 |
| <b>Total:</b>                                 | <b><u>112</u></b>           | <b><u>\$27,833,200</u></b> | <b><u>100%</u></b>    |



**Extramural Non-Research Awards  
for the Month of  
June 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 | 6                           | \$489,563                  | 1.85%                 |
| DOC-Dept of Commerce                   | 1                           | \$224,938                  | 0.85%                 |
| DOD-Department of Defense              | 3                           | \$121,450                  | 0.46%                 |
| ED-Dept of Education                   | 1                           | \$449,515                  | 1.70%                 |
| Federal Agencies                       | 2                           | \$27,000                   | 0.10%                 |
| Foreign                                | 3                           | \$1,339,008                | 5.07%                 |
| Hawaii- Business and Other             | 6                           | \$360,333                  | 1.36%                 |
| Hawaii- Dept of Education              | 4                           | \$2,744,498                | 10.38%                |
| Hawaii- Government Agencies            | 10                          | \$2,259,105                | 8.55%                 |
| Hawaii- Health Organizations           | 31                          | \$15,087,225               | 57.08%                |
| Hawaii- Non-Profit Organizations       | 13                          | \$614,681                  | 2.33%                 |
| Mainland- Business and Other           | 3                           | \$140,561                  | 0.53%                 |
| Mainland- Non-Profit Organizations     | 2                           | \$37,500                   | 0.14%                 |
| National Science Foundation            | 4                           | \$2,324,134                | 8.79%                 |
| US Colleges and Universities           | 4                           | \$211,845                  | 0.80%                 |
| <b>Total:</b>                          | <b><u>93</u></b>            | <b><u>\$26,431,356</u></b> | <b><u>100%</u></b>    |

**Extramural Research Awards  
Year to Date: 07/01/10 - 06/30/11  
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                        | 51                          | \$11,839,218                | 4.20%                 |
| DHHS-Dept of Health and Human Services        | 108                         | \$67,522,893                | 23.97%                |
| DOC-Dept of Commerce                          | 62                          | \$27,421,435                | 9.73%                 |
| DOD-Department of Defense                     | 75                          | \$44,841,887                | 15.92%                |
| DOE-Dept of Energy                            | 26                          | \$26,746,587                | 9.49%                 |
| DOI-Dept of Interior                          | 60                          | \$6,061,113                 | 2.15%                 |
| ED-Dept of Education                          | 4                           | \$1,765,402                 | 0.63%                 |
| Federal Agencies                              | 12                          | \$5,540,630                 | 1.97%                 |
| Foreign                                       | 30                          | \$9,632,455                 | 3.42%                 |
| Hawaii- Business and Other                    | 33                          | \$2,150,134                 | 0.76%                 |
| Hawaii- Dept of Education                     | 2                           | \$218,364                   | 0.08%                 |
| Hawaii- Government Agencies                   | 145                         | \$14,921,756                | 5.30%                 |
| Hawaii- Health Organizations                  | 7                           | \$1,046,546                 | 0.37%                 |
| Hawaii- Non-Profit Organizations              | 72                          | \$3,420,651                 | 1.21%                 |
| Mainland- Business and Other                  | 68                          | \$5,827,593                 | 2.07%                 |
| Mainland- Health Organizations                | 12                          | \$1,370,600                 | 0.49%                 |
| Mainland- Non-Profit Organizations            | 31                          | \$1,037,860                 | 0.37%                 |
| Miscellaneous                                 | 1                           | \$215,987                   | 0.08%                 |
| National Aeronautics and Space Administration | 60                          | \$10,075,667                | 3.58%                 |
| National Science Foundation                   | 108                         | \$27,939,055                | 9.92%                 |
| US Colleges and Universities                  | 103                         | \$12,149,931                | 4.31%                 |
| <b>Total:</b>                                 | <b><u>1070</u></b>          | <b><u>\$281,745,764</u></b> | <b><u>100%</u></b>    |

Note: YTD amounts include adjustments.

**Extramural Non-Research Awards  
Year to Date: 07/01/10 - 06/30/11  
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                        | 14                          | \$2,817,915                 | 1.36%                 |
| DHHS-Dept of Health and Human Services        | 40                          | \$8,816,509                 | 4.26%                 |
| DOC-Dept of Commerce                          | 25                          | \$38,480,346                | 18.60%                |
| DOD-Department of Defense                     | 12                          | \$1,009,457                 | 0.49%                 |
| DOE-Dept of Energy                            | 1                           | \$750,000                   | 0.36%                 |
| DOI-Dept of Interior                          | 14                          | \$596,233                   | 0.29%                 |
| ED-Dept of Education                          | 79                          | \$38,155,188                | 18.45%                |
| Federal Agencies                              | 19                          | \$13,862,328                | 6.70%                 |
| Foreign                                       | 33                          | \$3,051,947                 | 1.48%                 |
| Hawaii- Business and Other                    | 46                          | \$5,957,187                 | 2.88%                 |
| Hawaii- Dept of Education                     | 16                          | \$5,415,019                 | 2.62%                 |
| Hawaii- Government Agencies                   | 130                         | \$26,269,740                | 12.70%                |
| Hawaii- Health Organizations                  | 42                          | \$18,612,724                | 9.00%                 |
| Hawaii- Non-Profit Organizations              | 104                         | \$6,442,722                 | 3.11%                 |
| Mainland- Business and Other                  | 22                          | \$2,832,014                 | 1.37%                 |
| Mainland- Health Organizations                | 3                           | \$231,250                   | 0.11%                 |
| Mainland- Non-Profit Organizations            | 36                          | \$3,181,349                 | 1.54%                 |
| National Aeronautics and Space Administration | 5                           | \$3,692,825                 | 1.79%                 |
| National Science Foundation                   | 50                          | \$24,068,340                | 11.64%                |
| US Colleges and Universities                  | 38                          | \$2,609,051                 | 1.26%                 |
| <b>Total:</b>                                 | <b><u>729</u></b>           | <b><u>\$206,852,144</u></b> | <b><u>100%</u></b>    |

Note: YTD amounts include adjustments.