

## Gifts, Grants, and Contracts for October 2008

The following gifts, grants and contracts received by all campuses during the period October 1, 2008 through October 31, 2008 total \$37,761,756.

This report is also available for viewing at: [http://www.hawaii.edu/ors/Board\\_Reports.htm](http://www.hawaii.edu/ors/Board_Reports.htm)

### Research

#### DA-Dept of Agriculture

Department of Agriculture	\$94,808
<u>Detection, Control and Mitigation of Banana Bunchy Top Virus (BBTV) and Citrus Tristeza (CTV) Virus in Hawaii</u>	
Douglas L Vincent	College of Tropical Agriculture and Human Resources
The overall objective of this cooperative research project is to minimize the impact of two economically important plant viral diseases, Banana Bunchy Top and Citrus Tristeza.	
Department of Agriculture	\$25,717
<u>Detection, Control and Mitigation of Banana Bunchy Top Virus (BBTV) and Citrus Tristeza (CTV) Virus in Hawaii</u>	
Douglas L Vincent	College of Tropical Agriculture and Human Resources
The overall objective of this cooperative research project is to minimize the impact of two economically important plant viral diseases, Banana Bunchy Top and Citrus Tristeza.	
Department of Agriculture	\$233,316
<u>Protecting Papaya from Pests and Diseases</u>	
Douglas L Vincent	College of Tropical Agriculture and Human Resources
Develop and evaluate non-toxic, preferably biologically-based, environmentally suitable technologies and processes for pest and disease control on papaya.	
Department of Agriculture	\$131,000
<u>Development of Virus Resistant Plants</u>	
Michael H Shintaku	College of Agriculture, Forestry-UHH
Department of Agriculture	\$200,353
<u>UHM-Collaborative Effort for Evaluating Regionally Based Feedstock and Co-Products for Aquaculture and Livestock</u>	
Andrew G Hashimoto	College of Tropical Agriculture and Human Resources
The main objective of this agreement is to evaluate the usefulness of regionally grown feedstock for aquaculture and livestock.	
Department of Agriculture	\$24,000
<u>Funding for Mutual Interest</u>	
Jack Kenneth Grace	Department of Plant and Environmental Protection Sciences
Continuation of Student assistant(s) at Manoa ARS facility for on-going research and grant studies.	
Department of Agriculture	\$179,632
<u>Environmental Effects of Tephritid Fruit Fly Control and Eradication</u>	
Douglas L Vincent	College of Tropical Agriculture and Human Resources
The approach of this project is to address the development and evaluation of currently acceptable or novel new non-toxic fruit fly control strategies such as classical biological controls, post-harvest treatment, microbial control agents.	

## Gifts, Grants, and Contracts for October 2008

### Research

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

<p>Agency for Healthcare Research and Quality/DHHS  <u>Clinical Implications of Variation Among Medicare Formularies</u>            Chien-Wen Tseng                      Department of Family Medicine and Community Health            This study evaluates whether the new Medicare Prescription Drug Benefit adequately covers drugs important to older people and people with disabilities.</p>	<p>\$47,719</p>
<p>National Cancer Institute/NIH/DHHS  <u>Patterns of Care Study: Diagnosis Year 2007</u>            Marc T Goodman                      Cancer Research Center            Evaluate treatment patterns specifically for thyroid, glioblastoma, and adolescent and young adult cancer.</p>	<p>\$67,091</p>
<p>National Cancer Institute/NIH/DHHS  <u>The Colon Cancer Family Registry: Hawaii</u>            Loic Le Marchand                      Cancer Research Center            To maintain and expand the Hawaii Colorectal Cancer Family Registry for the next four years.</p>	<p>\$408,946</p>
<p>National Cancer Institute/NIH/DHHS  <u>Cancer Research Center of Hawaii</u>            Carl-Wilhelm Vogel                      Cancer Research Center            Cancer Research Center of Hawaii support grant.</p>	<p>\$103,800</p>
<p>National Cancer Institute/NIH/DHHS  <u>Inflammation and Innate Immunity Genes and Colorectal Cancer Risk</u>            Loic Le Marchand                      Cancer Research Center            Conduct a family-based case-control association study of genetic variation in 38 genes in inflammation and innate immunity pathways and environmental exposures.</p>	<p>\$633,593</p>
<p>National Cancer Institute/NIH/DHHS  <u>Surveillance, Epidemiology and End Results (SEER) Program</u>            Marc T Goodman                      Cancer Research Center            The Hawaii Tumor Registry will maintain a cancer registration system for identification and follow-up of all cancers diagnosed in Hawaii as part of the SEER program.</p>	<p>-\$242,362</p>
<p>National Cancer Institute/NIH/DHHS  <u>University of Guam/Cancer Research Center of Hawaii Partnership</u>            Carl-Wilhelm Vogel                      Cancer Research Center            The University of Guam and the Cancer Research Center of Hawaii is engaged in a long-term partnership of mutual benefit in the area of cancer research, cancer training, career development and cancer outreach.</p>	<p>\$100,000</p>
<p>National Center for Research Resources/NIH/DHHS  <u>Pacific Research Center for Early Human Development</u>            Kenneth Ward                          Department of Obstetrics, Gynecology, and Women's Health            To establish research excellence in early human development that will 1) further augment and strengthen research capacity, 2) mentor jr. investigators as they conduct research leading to competition for R- and P-series grants, 3) attract other investigators in the specific research area of early human development, and 4) contribute to reduction of health disparities.</p>	<p>\$1,963,959</p>

## Gifts, Grants, and Contracts for October 2008

### Research

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

<p>National Institute of Allergy and Infectious Diseases/NIH/DHHS  <u>Novel Engineering of a P. falciparum Merozoite Surface Protein 1 Malaria Vaccine</u>  George S N Hui                                      Dept of Trop Med, Medical Microbiology and Pharmacology  To develop a blood stage vaccine against human malaria.</p>	<p>\$254,320</p>
<p>National Institute of Neurological Disorders and Stroke/NIH/DHHS  <u>HIV-1 Specific Immune Responses in Thai Individuals with HIV Dementia</u>  Silvia R Kim                                      Department of Medicine  To test a possible mechanism behind the reason why HIV-1 infected individuals with a strong HIV-1 specific T cell response tend not to develop neurological symptoms of HIV dementia.</p>	<p>\$326,334</p>
<p>National Institutes of Health/DHHS  <u>Epidemiology of Putative Causal Variants in the Multiethnic Cohort</u>  Loic Le Marchand                                      Cancer Research 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.</p>	<p>\$1,636,711</p>
<p>National Institutes of Health/DHHS  <u>Emotion and Cognition on Gene, Cell and Systems Levels</u>  Joachim Spiess                                      Department of Psychiatry  The proposal is targeted at the modulation of attention, learning and memory, especially by stress, and at the mediating role of anxiety. The clinical targets include attention deficit disorder, anxiety and psychotic disorders. It is our intention to link clinically oriented projects with animal models on a genetic basis.</p>	<p>\$1,940,600</p>
<p>National Institutes of Health/DHHS  <u>Imaging Studies in Neurotoxicity and Neurodevelopment</u>  Linda Chang                                      John A. Burns School of Medicine  To establish the infrastructure for a strong neuroscience research environment at JABSOM. The proposed projects will evaluate changes in higher cortical function and neurochemistry in individuals infected with HIV and in relation to substance-dependence, determine the physiological bases of these brain changes, and evaluate possible neurochemical changes.</p>	<p>\$1,665,443</p>
<p>National Institutes of Health/DHHS  <u>RCMI Clinical Research Infrastructure Initiative (RCRII)</u>  Jerris Hedges                                      John A. Burns School of Medicine  This is a continuation application for the RCMI Clinical Research Infrastructure Initiative (RCRII), also known as the University of Hawaii Clinical Research Center (UH CRC). The UH CRC has been funded by the NIH/NCRR for the past 13 years and provides the research infrastructure necessary to support clinical investigators in all aspects of research, including development of protocols and implementation of clinical research studies.</p>	<p>\$1,780,649</p>
<p>National Institutes of Health/DHHS  <u>Institute for Biogenesis Research: COBRE</u>  William S Ward                                      Dept Anatomy, Biochemistry, Physiology and Reproductive Biol  Develop the existing Institute for Biogenesis Research into a multi-disciplinary research center for reproductive biology research.</p>	<p>\$1,831,026</p>

## Gifts, Grants, and Contracts for October 2008

### Research

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

National Institutes of Health/DHHS \$36,832  
Intraspecies Transmission and Infectivity of Insectivore-Borne Hantaviruses  
 Richard Yanagihara Department of Pediatrics  
 The primary objective of the proposed research is to determine the transmission of a new hantavirus in shrews and the infectivity of this virus to humans.

#### DOC-Dept of Commerce

DOC-Nat'l Marine Fisheries Service \$500,000  
Climate Change and Ecosystem Variability in the North Pacific Ocean and the Dynamics of Marine Resource Populations  
 Thomas A Schroeder Joint Institute for Marine and Atmospheric Research  
 Seeks to improve understanding of the linkages between environmental and biological variability on interannual to decadal time scales.

National Oceanic & Atmospheric Administration/Department of Commerce \$26,000  
Economic Analytical Support for Fishery Management Actions  
 Ping Sun Leung Department of Molecular Biosciences and Bioengineering  
 To train a graduate student to work with the agency's economist to conduct economic impact analyses of proposed and alternative fisheries management measures.

#### DOD-Department of Defense

DOD-Advanced Research Project Agency \$38,233  
Evaluation of Hyles lineata and Daphnis nerii Sphinx Moths as Model Organisms for Hybrid Insect MEMS Technology  
 Daniel Z Rubinoff Department of Plant and Environmental Protection Sciences  
 Develop and evaluate three insect species as MEMS hybrid models.

DOD-Air Force Space & Missile System Center \$1,346,475  
LEONIDAS: Low-Earth Orbit Nanosat-Integrated Defense Autonomous Systems  
 Luke Paul Flynn Hawaii Institute of Geophysics and Planetology  
 The LEONIDAS project will design, build, test, launch, and operate small spacecraft in low-Earth orbit.

Department of the Air Force \$147,884  
Operations and Management of the Maui Supercomputing Center  
 David K Lassner Information Technology Services  
 Cost reimbursement award term contract for research, development, operations and management of the Maui Supercomputing Center.

Department of the Navy \$150,000  
Sea-salt Aerosol in Hawaii and the Influence of Large Organized Structures (LOS) or Rolls on Fluxes and Visibility  
 Antony D Clarke Department of Oceanography  
 Investigate the marine aerosol properties including their evolution in the boundary layer and coastal regions in Hawaii.

## Gifts, Grants, and Contracts for October 2008

### Research

#### DOD-Department of Defense

Department of the Navy	\$78,698
<u>Analysis and High-Resolution Modeling of Tropical Cyclogenesis during the TCS-08 and TPARC Field Campaign</u>	
Tim Li	Department of Meteorology
To assimilate the in-situ observations using NAVDAS and 4DVar, and to investigate 3D moisture, temperature and wind structure and evolution characteristics prior to and during TC formation, and to conduct COAMPS high-resolution cyclogenesis forecasts using the data assimilation product.	
Department of the Navy	\$207,386
<u>Effects of Offshore Forcing in the Nearshore Environment</u>	
Eugene R. Pawlak	Department of Ocean and Resources Engineering
The proposed research will examine the effects of offshore internal tides on currents and sediment transport in the coastal zone. We will carry out field observations and computer modeling of a region of the south shore extending from Diamond Head to Sand Island. The observations will focus on the Kilo Nalu Observatory.	
Department of the Navy	\$199,160
<u>Detection Methods of Counter Improvised Explosive Devices (C-IED)</u>	
Vassilis L Syrmos	Vice Chancellor for Research and Graduate Education
This project addresses detection methods for counter improvised explosive devices. The proposed research is focused in three major technologies. In particular, a) detection of explosives with Stand-off Raman Spectroscopy, b) detection of buried objects via measurements of Telluric Current Gradients and c) High Powered Miniature Lasers for IED Characterization.	
Office of Naval Research	\$51,000
<u>Dynamics of Tropical Cyclone Intensity Change</u>	
Tim Li	Department of Meteorology
To investigate the role of interactions among tropical cyclone symmetric and asymmetric flows and environmental circulation in change of the tropical cyclone intensity.	
Office of Naval Research	\$222,823
<u>Development of a Combined Raman and LIBS System for Stand-off Detection of Explosive Residues</u>	
Shiv K Sharma	Hawaii Institute of Geophysics and Planetology
The purpose of this proposal is to develop a combined Raman and LIBS system for a stand-off detection of explosives and residues.	
Office of Naval Research	\$92,721
<u>Passive Acoustic Methods for Tracking Marine Mammals using Widely-spaced Bottom-mounted Hydrophones</u>	
Eva-Marie Nosal	Department of Ocean and Resources Engineering
This project will improve methods to track marine mammal underwater using vocalizations recorded on bottom-mounted hydrophones. Data from two Navy hydrophones ranges will be processed to track beaked whales, sperm whale, and humpback whales. Behavior and bioacoustics will be studies where possible.	
Office of Naval Research	\$125,000
<u>Long-Range Lightning Detection over the Western Pacific Ocean</u>	
Steven Businger	Department of Meteorology
The goals of this proposal are: (I) to expand PacNet long-range lightning detection coverage to the Western Pacific Ocean, (ii) to calibrate the extended network (Cummins 2006), (iii) establish relationships between lightning rates and rainfall fates, (iv) investigate the morphology of lightning in storms systems, and (v) assimilate the data into numerical models.	

## Gifts, Grants, and Contracts for October 2008

### Research

#### DOI-Dept of Interior

National Park Service/Department of the Interior	\$30,000
<u>Testing and Adapting Change Vector Analysis to NPS PACN Landscape Dynamics: A Pilot Study</u>	
Barbara A. Gibson	Department of Oceanography
Integrate and adapt the Physiognomic Change Defection protocol methodology developed for NPS North Coast Cascades Network (NCCN) by Warren Cohen and Robert Kennedy, Oregon State University to Pacific Island Network (PACN) needs and conditions. This includes possibly modifying the NCCN change vector analysis approach for detecting land use/land cover change within PACN.	
National Park Service/Department of the Interior	\$118,440
<u>Monitoring Protocol Development Assistance, Pacific Island Network</u>	
David C Duffy	Department of Botany
Continue technical assistance to Pacific Island Network Vital Sign Monitoring Protocols.	
U.S. Geological Survey/Department of the Interior	\$35,000
<u>Spatial Data and Mapping Projects in Collaboration with the Pacific Basin Information Node (PBIN)</u>	
Kenneth Y Kaneshiro	Pacific Biosciences Research Center
This cooperative project would serve to continue the development of internet mapping (WebGIS) capabilities. The geospatial functionality made available though the PBIN web interface allows for the rapid assessment and interpolation of bio-data.	

#### Federal Agencies

Air Force District of Washington	\$345,277
<u>Integration and Test/Evaluation of the Quadtree-Based Algorithm for Lossless Compression of Volumetric Data (CUBRC Inc.)</u>	
Lawrence P A Burgess	John A. Burns School of Medicine
Test and validate a data compression algorithm implemented by the University of Maribor in Slovenia. The algorithm will subsequently be integrated into civilian and military telemedicine technology.	
Department of Homeland Security	\$1,900,000
<u>The National Center for Island, Maritime and Extreme Environment Security (CIMES)</u>	
James R Gaines	Vice President for Research
The goal of this Center of Excellence is to develop leading-edge, multi-institutional, focused education and basic research program capable of delivering the scientific advances necessary to permit revolutionary improvements in America's ability to protect its citizens, infrastructure, economy, and environment in the Maritime, Remote Island, and Extreme Environment domain.	
Department of Homeland Security	\$100,000
<u>The National Center for Island, Maritime and Extreme Environment Security (CIMES)</u>	
James R Gaines	Vice President for Research
The goal of this Center of Excellence is to develop leading-edge, multi-institutional, focused education and basic research program capable of delivering the scientific advances necessary to permit revolutionary improvements in America's ability to protect its citizens, infrastructure, economy, and environment in the Maritime, Remote Island, and Extreme Environment domain.	

## Gifts, Grants, and Contracts for October 2008

### Research

#### Foreign

Korea Foundation \$94,700

From Origin to Destination: Policy Alternatives for Managing Two-Way Migration Pathways in Asia

Yean-Ju Lee Department of Sociology

This is an application to Korea Foundation, in the category of Policy-Oriented Research, Demographic Changes in East Asia and the Future of the Korean Peninsula. This project will conduct demographic analyses of trends of international migration in Asia; obtain subjective accounts from migrants; and examine the development of ethnic enclaves.

Northeast Asian History Foundation \$27,169

American Involvement in East Asian History Issues

Edward J Shultz School of Pacific and Asian Studies

Compiling and analyzing public discourses in mass media, government announcements and congress hearings on the issue of East Asian history issues such as "Comfort Women," "Nanjing Massacre," and "historical claims over Koguryo kingdom" since 1982.

#### Hawaii- Business and Other

Research Corp, University of Hawaii \$17,056

Management of the Avrainvillea amadelpha Invasion from Maunalua Bay to Kaneohe Bay

Celia M Smith Department of Botany

This proposal will aid the Division of Aquatic Resources, Department of Land and Natural Resources manage the invasion of Avrainvillea amadelpha in shallow water habitats around Oahu.

World Turtle Trust \$49,533

Hawaii Island Hawksbill Turtle Recovery Project

David C Duffy Department of Botany

Manage and protect the endangered Hawksbill sea turtle by protecting and restoring its nesting habitat on the Big Island.

#### Hawaii- Government Agencies

Hawaii Invasive Species Council \$73,726

Invasive Ant Control for Native Ecosystem Preservation and Restoration in Hawaii

Daniel Z Rubinoff Department of Plant and Environmental Protection Sciences

This project will involve the experimental testing of a commercial ant bait product for control of Argentine ants at Haleakala National Park, as well as a survey of ant distributions on the leeward slopes of Haleakala.

Hawaii-Dept of Health -\$1,060

Hawaii Physical Activity and Nutrition Coalition

Jason E. Maddock 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 October 2008

### Research

#### Hawaii- Government Agencies

Hawaii-Dept of Health	\$12,000
<u>Fun 5 Program, Promoting Physical Activity and Nutrition in Maui After School Programs (A+)</u>	
Claudio R Nigg	Office of Public Health Studies
To train Hawaii Department of Education After School Program (A+) staff, Maui District, to implement the Fun 5 program in 10 public after school programs (A+) and to provide the necessary resources for its implementation.	
Hawaii-Dept of Human Services	\$177,760
<u>Relating to the Evaluation of the UPLINK Program</u>	
Sylvia H L Yuen	Center on the Family
Develop and implement and evaluation plan on the Uniting Peer Learning, Integrating New Knowledge after-school program in selected middle schools Statewide.	
Hawaii-Dept of Land & Natural Resources	\$49,927
<u>Acoustic Monitoring of Long-Term Movement Patterns, Habitat Use and Site Fidelity of Food and Game Fishes in the Main Hawaiian Islands, Phase II</u>	
Carl G Meyer	Hawaii Institute of Marine Biology
We will equip coral reef fishes with small transmitters to determine their movement patterns.	
Hawaii-Dept of Land & Natural Resources	\$38,860
<u>Barn Owls (Tyto alba) and Rats (Rattus rattus, Rattus exulans): Invasive Predators of Native Seabirds</u>	
David C Duffy	Department of Botany
Collect Data on barn owls on Lanai to analyze their predation on the native Newell's shearwater and Hawaiian petrel.	
Hawaii-Dept of Land & Natural Resources	\$192,638
<u>Coordination and Planning of Programmatic Habitat Conservation Plan for Endangered and Threatened Seabirds on Kauai, Hawaii</u>	
David C Duffy	Department of Botany
Develop a programmatic seabird habitat conservation plan, addressing the take of endangered and threatened seabirds resulting from urbanization impacts on Kauai.	
Hawaii-Dept of Land & Natural Resources	\$143,500
<u>Endangered Maui Forest Bird Population Research and Management</u>	
David C Duffy	Department of Botany
Research and manage recovery efforts for endangered Maui forest birds, including the Po'ouli.	
Hawaii-Dept of Land & Natural Resources	\$62,346
<u>Support for the HISC Program</u>	
David C Duffy	Department of Botany
Coordinate invasive species management and control programs for various entities, assess new invasive species risks, ensure good science is applied to management plans, and implement a public outreach program.	
Hawaii-Dept of Land & Natural Resources	\$130,000
<u>Kauai Endangered Forest Bird Conservation Research and Management</u>	
David C Duffy	Department of Botany
Continue research and field management to restore the endangered Puaiohi and other endangered native Kauai forest birds.	



## Gifts, Grants, and Contracts for October 2008

### Research

#### Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources	\$51,598
<u>Effectiveness of Vegetation for Mitigation the Coastal Impact due to Storm Surge and Tsunamis and Public Education</u>	
Andrew J Kaufman	Department of Tropical Plant and Soil Sciences
Looking at the effectiveness of vegetation for mitigating the coastal impact due to strom surge and tsunamis, has the opportunity to greatly expand the understanding, as well as the education to visitors and Hawaii residents.	
Hawaii-Dept of Land & Natural Resources	\$34,810
<u>Determine the Efficacy of Fungicides to Protect Endangered Species from the Rust, Puccinia psidii and Other Heavily Diseased Myrtacease.</u>	
Janice Y Uchida	Department of Plant and Environmental Protection Sciences
To scientifically determine those fungicides that will protect endangered species and other myrtacease, like Metrosideros polymorpha cultivars and endangered Eugenia koolauensis, that are being devastated by the invasive guana rust, Puccinia psidii.	
Hawaii-Dept of Transportation	\$167,154
<u>Infiltration of Storm Water from Highway Operations to Reduce Coastal Pollution</u>	
Chittaranjan Ray	Department of Civil and Environmental Engineering
In this project, we will evaluate the soils on Oahu for their ability to infiltrate storm water and retain the pollutants present in them.	
Hawaii-Dept of Transportation	\$114,580
<u>Development of Flexible Concrete Joints for Deck Structures with Deteriorated Mechanical Joints and Corrosion Damage</u>	
Gregor D. Fischer	Department of Civil and Environmental Engineering
The research conducted in this project will develop and investigate construction and repair methods for roads and bridges with damaged contraction joints.	
Hawaii-Off of Youth Services - DHS	\$51,006
<u>Disproportionality and Hawaii's Juvenile Justice System</u>	
Meripa T. Godinet	School of Social Work
Conduct an examination of Hawaii's overrepresentation of minority youth at each of the decision points in the juvenile system.	

#### Hawaii- Health Organizations

Kuakini Medical Cntr	\$89,146
<u>Epidemiology of Aging and Dementia Autopsy Research</u>	
Jane H Uyehara-Lock	Department of Pathology
To provide pathology services and analysis of autopsy results as part of the ongoing Honolulu Asia Aging Study. This award is a subcontract from Kuakini Medical Center to the University of Hawaii.	

#### Hawaii- Non-Profit Organizations

HCF-Hawaii Community Foundation- General	\$15,000
<u>HEALTHY Tobacco Technical Assistance Project</u>	
Meta Tjan Lee	Department of Pediatrics

## Gifts, Grants, and Contracts for October 2008

### Research

#### Hawaii- Non-Profit Organizations

This project provides technical support to a pre-existing grant (HEALTHY Women and Children's Program) for the implementation and evaluation of a smoking cessation intervention at Kapiolani Medical Center for Women and Children.

Univ of Hawaii Foundation \$44,000

The Effects of Na-K-2Cl Cotransporter Inhibition in Infants with Chronic Lung Disease

Lynn M Iwamoto Department of Pediatrics

This is to determine mechanisms of NKCC mediated inhibition of lung cell proliferation. We will examine signal transduction pathways regulating cyclin-CDK phosphorylation of retinoblastoma protein. We will also determine cytoskeletal changes that modify progression through the cell cycle. Finally, these will be correlated with in vivo tissue changes.

#### Mainland- Business

TRUE Research Foundation \$7,963

TRUE Research Foundation Personal Health Record Application for Diabetes Self Management

Sven-Erik Bursell John A. Burns School of Medicine

1) review our project report on using the RWJF Common Platform. 2) draft a position paper on the Common Platform and our experiences using it with the Target Core Components for possible publication.

#### Mainland- Business and Other

Agricultural Research Service - Pacific West Area \$162,338

PBARC Fruit Fly Project

Maqsudul Alam Department of Microbiology

Genome sequencing of the oriental fruit fly, bactrocera dorsalis. The program objective is to obtain 20X sequencing coverage of the oriental fruit fly using the Roche GS FLX machine.

East & West Inc \$60,000

Long Term Trends, Variability, and Extreme Event Characteristics of the Pacific Basin Waves and Water Level Climatology

Mark A Merrifield Department of Oceanography

This Scope of Work represents a portion of the High Seas theme-specific work plan that will lead to the creation of a High Seas derived-data product suite.

Eli Lilly & Co \$150

Eli Lilly H80-MC-GWBQ Safety and Efficacy of Exenatide as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2i

Richard F Arakaki Department of Medicine

This study will examine whether exenatide injected two times a day is superior to placebo in helping 10-16 year old type 2 diabetic patients control their blood sugar.

MVSystems, Inc. \$557,221

Photoelectrochemical Hydrogen Production

Eric L Miller Hawaii Natural Energy Institute

## Gifts, Grants, and Contracts for October 2008

### Research

#### Mainland- Business and Other

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

National Renewable Energy Laboratory/DOE \$40,000

Study on the Effects of Defects in PEMFC MEA Components

Guido Bender Hawaii Natural Energy Institute

Under the direction of the National Renewable Energy Laboratory (NREL) Technical Monitor (TM), HNEI will develop a methodology to characterize the effects that localized variations in MEA component material parameters have on fuel cell performance and durability.

Sanofi-Aventis Pharmaceuticals \$12,690

Sanofi-Aventis EFC5826 (CRESCENDO)

Richard F Arakaki Department of Medicine

Compensation due for administrative work done for enrollment for the Sanofi-Aventis EFC5826 CRESCENDO study. Sanofi-Aventis decided to discontinue ongoing startup of new sites. Total compensation will be \$12,690 for report processing and contract document generation.

Southwest Research Institute \$8,743

JUNO Science Support Phase B/C/D Activities

Tobias Owen Institute for Astronomy

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

Space Telescope Science Institute -\$472

The Gas Environment of Comet 9P/Tempel 1 During the Deep Impact Encounter

Karen J Meech Institute for Astronomy

We will assist with the analysis of the ACS/HRC imaging of the Deep Impact target comet 9P/Tempel 1 after the pre-encounter images are obtained in mid-June (program 10144). The analysis and interpretation of these images in combination with an analysis of ground-based data in hand will allow us to optimize the Deep Impact HST encounter program (ID 10456).

#### Mainland- Non-Profit Organizations

International Game Fish Association \$144,345

Game Fish Research Aboard the M/V Pangaea

Carl G Meyer Hawaii Institute of Marine Biology

We will equip game fishes with small transmitters to determine their movement patterns.

The Chun Foundation \$12,075

The Development of Alcohol Detoxification and Elimination in Children

Abby Cherise Collier Dept of Trop Med, Medical Microbiology and Pharmacology

Since alcohol ingestion (both accidental & purposeful) is the leading cause for emergency room visits in children under 16, we wish to define how alcohol elimination develops and provide information for the management and treatment of acute alcohol exposure in children & adolescents.

## Gifts, Grants, and Contracts for October 2008

### Research

#### Miscellaneous

Center for Tropical and Subtropical Aquaculture (CTSA) \$24,648  
Intensive and Alternative Methods for Marine Copepod Production in Hawaii  
 James P Szyper Sea Grant College Program  
 Copepod cultures will be obtained from current researchers in Hawaii. Experiments will adapt them to inexpensive culture systems to improve production as food for larval fishes.

#### National Aeronautics and Space Administration

National Aeronautics & Space Administration \$10,000  
Computational Simulations of Habitable Planets  
 Nader Haghighipour Institute for Astronomy  
 Purchase CPU to augment computer capability to enhance research ability.

National Aeronautics & Space Administration \$29,213  
Augmentation to Origin, History and Distribution of Water  
 Ralf Ingo Kaiser Department of Chemistry  
 Support graduate student activities in CO<sub>3</sub>, CO<sub>4</sub>, CO/NN experiments and subsequent publications.

National Aeronautics & Space Administration \$32,100  
Astrobiology Ice Chemistry Lab Facility  
 Ralf Ingo Kaiser Department of Chemistry  
 Create an ultra-high vacuum chamber to investigate the formation of ice in the Kuiper Belt Objects.

#### National Science Foundation

National Science Foundation \$303,058  
Method Development for Stable Isotope Characterization of High Explosives  
 Hope Jahren Department of Geology and Geophysics  
 This work will create inter-laboratory standards and minimize sample size requirements in order to overcome two fundamental barriers in the stable isotope forensics of high explosives.

National Science Foundation \$999,889  
CREST: Center in Tropical Ecology & Evolution in Marine and Terrestrial Environments  
 Donald Price Natural Sciences-UHH  
 Center for Research Excellence in Science & Technology

National Science Foundation \$7,000  
Host Institutional Allowance: Postdoctoral Fellowship in Astronomy and Astrophysics  
 John A Johnson Institute for Astronomy  
 Support for Dr. John Johnson's research project.

## Gifts, Grants, and Contracts for October 2008

### Research

#### US Colleges and Universities

Cornell University	\$76,576
<u>Stardust-NExT Project</u>	
Karen J Meech	Institute for Astronomy
To define the rotation period of the comet to assess the observing strategy and to enable the determination of the appropriate strategies for targeting the impact crater on the flyby of comet 9P/Tempel 1.	
Harvard University	\$7,551
<u>Attaining the Photometric Accuracy Required by Future Dark Energy Projects</u>	
John L Tonry	Institute for Astronomy
We propose to use the PanSTARRS-1 (PS-1) project as a testbed for developing techniques to push past today's 1% barrier to photometric precision, with a particular focus on the analysis of supernova lightcurves.	
Tufts University	\$8,592
<u>A Longitudinal MRS Study of HIV-Related Brain Injury</u>	
Thomas M. Ernst	Department of Medicine
Tufts University	\$184,397
<u>A Longitudinal MRS Study on HIV-Related Brain Injury</u>	
Thomas M. Ernst	Department of Medicine
We aim to use proton magnetic resonance spectroscopy (MRS) to monitor the treatment effect of HIV mediations on brain injury that might have resulted from HIV infection. The subjects will be followed and evaluated at 0, 3, 6, and 9 months with MRS neuropsychological tests and spinal taps.	
Univ of California (The Regents of)	\$67,760
<u>Western Regional Center in the National Plant Diagnostic Network</u>	
Anne M Alvarez	Department of Plant and Environmental Protection Sciences
We will support plant diagnostics in Hawaii and the Pacific Region by performing standard and distance diagnostic procedures on plant and insect samples and participating in detector training activities.	
University of Arizona	\$25,000
<u>JWST Near Infrared Camera Co-Investigator Support</u>	
Klaus W Hodapp	Institute for Astronomy
University of Toledo	\$148,051
<u>Rapidly Deployable Solar Electricity and Fuel Sources</u>	
Eric L Miller	Hawaii Natural Energy Institute
The University of Hawaii at Manoa (UHM) will fabricate thin film Cu(In, Ga)Se <sub>2</sub> solar cells optimized for space applications and develop a low-temperature high-mobility transparent conducting oxide (TCO) layer for such solar cells.	

**Subcount:****89****Subtotal:****\$23,721,921**

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### DA-Dept of Agriculture

Department of Agriculture \$147,666

A Risk Management Training Program for Underserved Southeast Asian Growers of Hawaii

Sabina F. Swift

Department of Plant and Environmental Protection Sciences

This program for limited resource underserved Southeast Asian growers will provide training and information on plant nutrition, pest management, pesticide safety, recordkeeping, crop insurance, basic marketing and other crop production and business management topics to enable them to make informed decisions and recognize existing and emerging risk management tools.

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

Administration on Developmental Disabilities/ACF/DHHS \$100,000

My Voice, My Choice

Jean Lee Johnson

Center on Disability Studies

My Voice, My Choice will create a Youth Information, Training and Resource Center (Center) to infuse youth self-advocacy into existing adult self-advocacy activities in the state and region.

Centers for Disease Control and Prevention/DHHS \$844,284

Pacific Center of Excellence in the Elimination of Disparities

Neal A Palafox

Department of Family Medicine and Community Health

Provide infrastructure and technical assistance to the Pacific populations to 1) implement the respective strategies within the comprehensive cancer plans as they relate to breast and cervical cancer 2) Work with the ISAPI population in Hawaii and 3) serve as a national resource center.

Centers for Disease Control and Prevention/DHHS -\$844,284

Pacific Center of Excellence in the Elimination of Disparities

Neal A Palafox

Department of Family Medicine and Community Health

Provide infrastructure and technical assistance to the Pacific populations to 1) implement the respective strategies within the comprehensive cancer plans as they relate to breast and cervical cancer 2) Work with the ISAPI population in Hawaii and 3) serve as a national resource center.

Centers for Disease Control and Prevention/DHHS \$844,284

Pacific Center of Excellence in the Elimination of Disparities

Neal A Palafox

Department of Family Medicine and Community Health

Provide infrastructure and technical assistance to the Pacific populations to 1) implement the respective strategies within the comprehensive cancer plans as they relate to breast and cervical cancer 2) Work with the ISAPI population in Hawaii and 3) serve as a national resource center.

National Center on Minority Health and Health Disparities/NIH/DHHS \$312,500

Endowment for Cardiovascular Science

Jerris Hedges

John A. Burns School of Medicine

The University of Hawaii (UH) John A. Burns School of Medicine (JABSOM) is submitting this application to establish an endowment focused on cardiovascular research, because cardiovascular disease is the primary cause of excess morbidity and mortality in our minority and medically-underserved citizens.

## Gifts, Grants, and Contracts for October 2008

### Non-Research

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

National Heart, Lung, and Blood Institute/NIH/DHHS \$62,599  
GRS Supplement to Transcriptional and Physiological Analysis of Cardiac HIF-1  
 Ralph Victor Shohet Department of Medicine  
 Supplement to support minority medical student gain research laboratory experience.

#### DOC-Dept of Commerce

DOC-Nat'l Marine Fisheries Service \$1,790  
Sea Turtle Stranding Project  
 Cynthia L. Hunter Biology Program  
 Gain increased understanding of marine turtle strandings on Oahu in order to better understand their locations, numbers, size, health, and cause of strandings.

Department of Commerce \$100,200  
Pacific Broadband Distance Learning and Telehealth Network  
 Norman H Okamura Social Science Research Institute  
 The objective of this proposal is to extend the delivery of distance learning and telehealth programs to new sites located in the State of Hawaii using a multipoint conferencing unit at the University of Hawaii.

Economic Development Administration/Department of Commerce \$320,847  
PBCP-UH EDA University Center - 2006-2009  
 John F Morton Vice President for Community Colleges  
 This Economic Development Administration University Center Program award supports the economic development and technical assistance work of the Pacific Business Center Program that will be provided to public and private sector clients located in Hawaii and throughout the American Affiliated Pacific Islands.

National Telecommunications & Information Admin./Dept. of Commerce \$499,677  
PEACESAT - Public Service Telecommunications in the Pacific Islands  
 Norman H Okamura Social Science Research Institute  
 The proposal intends to provide satellite resources, technical assistance, and program development support for educational, government, health and regional organizations in the Pacific Islands Region.

#### DOD-Department of Defense

DOD-Nat'l Security Education Program \$1,046,029  
University of Hawaii Korean Flagship Program - Domestic Program  
 Ho-Min Sohn Department of East Asian Languages and Literatures  
 Continue from Year 5 of project with fifth cohort of students. Intensive training in advanced and specific-purpose Korean provided to National Security Education Program Fellowship supported and self-funded students.

DOD-Nat'l Security Education Program \$206,098  
University of Hawaii Korean Flagship Program (Overseas at Korea University)  
 Ho-Min Sohn Department of East Asian Languages and Literatures  
 Continue from Year 3 of project with fourth cohort of students. Intensive training in advanced and specific-purpose Korean provided to Korean Flagship students at Korea University, Seoul Korea, with local internships and specialized study.

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### DOD-Department of Defense

DOD-Nat'l Security Education Program \$332,252

University of Hawaii Korean Flagship Program

Ho-Min Sohn Department of East Asian Languages and Literatures

Start a new BA program with first cohort of undergraduate students. Intensive training in advanced and specific-purpose Korean provided to students.

DOD-Tripler Army Medical Center \$66,000

Tripler Army Medical Center (TAMC) Crisis and Mock Code Training

Benjamin W Berg John A. Burns School of Medicine

Provide twelve (12) one-day Crisis Team training sessions for TAMC staff at JABSOM; provide twelve (12) one-day Mock Code training sessions at TAMC; complete two (2) manpower reports to TAMC.

#### DOI-Dept of Interior

National Park Service/Department of the Interior \$186,619

Science Communications and Outreach in the Pacific Island Network

David C Duffy Department of Botany

Provide technical assistance to develop publications and outreach material for Pacific Island Network's Vital Signs monitoring program.

#### ED-Dept of Education

ED-Dept of Education \$104,056

Culturally Responsive Response to Intervention Strategies

Robert A Stodden Center on Disability Studies

Project will serve up to 500 Native Hawaiian (NH) youth in grades 7-12 who have been inappropriately or are at risk of being identified as eligible for special education services under the requirements of the Individuals with Disabilities in Education Act (IDEA) and are most at risk of school failure.

ED-Dept of Education \$4,978

Proposal to Continue Funding of the university of Hawaii National Foreign Language Resource Center (NFLRC), 2006-2010, under the Language Resource Cen

Richard W Schmidt Department of Second Language Studies

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

ED-Dept of Education \$180,442

Improving Teacher Quality Grants (2008) - SAHES

Christine Sorensen College of Education

Administer grant competition within Hawaii for higher education projects to improve teacher quality.

ED-Dept of Education \$377,191

"I" in the IEP

Kelly D Roberts Center on Disability Studies



## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### ED-Dept of Education

To improve outcomes for Native Hawaiian youth with disabilities through the development and testing of two interventions designed to equip educators, administrators and parents with necessary tools to support Native Hawaiian students with disabilities to engage within and benefit from the process of developing their own Individualized Education Plans (IEPs).

ED-Dept of Education \$131,000

Native Hawn Serving Institutions FY 09

Gail M Makuakane-Lundin Vice Chancellor for Student Affairs-UHH

ED-Dept of Education \$226,600

Windward Community College Educational Talent Search Program - Honolulu

Judy Oliveira Chancellor, Windward Community College

#### Federal Agencies

Corporation for National and Community Service \$12,000

HIPICC VISTA Project

Atina T Pascua Vice President for Student Affairs

This VISTA proposal will meet the needs of low income communities in Hawaii and the Pacific Island Territories of American Samoa, Guam, and the Commonwealth of the Northern Marianas (CNMI). The VISTA positions will help to develop programs that will help with literacy and economic revitalization.

Department of Housing & Urban Development -\$23,260

Hana Marketplace for Economic Development

June Y Aono Chancellor, University of Hawaii at West Oahu

The grant is for the completion of the Hana Marketplace on Maui. The Marketplace will lease spaces to the residents of Hana to start businesses targeted primarily tourist trade. Faculty members and student interns will provide training and support to the occupants of the Marketplace as part of a community outreach.

National Endowment for the Arts/National Fndn. on the Arts & Humanities \$2,500

Tourwest - Lula Washington Dance Theater

Lee Barnette-Dombroski Chancellor, University of Hawaii at Hilo-UHH

Host the Lula Washington Dance Theater at UH Hilo

Smithsonian Institution \$137,196

Submillimeter Array Post Doctoral Fellowship

Robert A McLaren Institute for Astronomy

The Smithsonian Institution Astrophysical Observatory continues funding of the Submillimeter Array Post Doctoral Fellowship. The fellows will carry out research with the Submillimeter Array telescope located at Mauna Kea and will contribute to research activities and facilitate interaction with other scientists within the Institute for Astronomy.

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### Foreign

Bio-ON		\$66,718
	<u>Training Program for Bio-ON</u>	
Jian Yu	Department of Ocean and Resources Engineering	
	This program will train the technical staff of Bio-ON with basic knowledge and laboratory skill in making biopolymers from renewable feedstocks.	
Federated States of Micronesia		\$90,000
	<u>Pacific Regional Comprehensive Cancer Control Implemenatation Program (Subcontract from FSM DOH)</u>	
Lee Buenconsejo-Lum	Department of Family Medicine and Community Health	
	Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.	
Government of American Samoa		\$298,782
	<u>2008 SPED Cohort Programs</u>	
Robert A Stodden	Center on Disability Studies	
	Provide a variety of services and activities related to the development and delivery of University of Hawaii special education course work specifically designed for special education teachers to obtain their B.Ed in elementary education with a certification in special education.	
Japan Agency for Marine-Earth Science and Technology		\$5,139
	<u>Arrangement of Historical Observation Dataset for Phillippines Meterological Stations III</u>	
Axel Timmermann	Department of Oceanography	
	To duplicate the "Phillippine Weather Bureau Reports" from 1904 to 1938.	

#### Hawaii- Business and Other

Akaku Maui Community Television		\$64,081
	<u>MCC-TV Educational Access Television</u>	
Clyde M Sakamoto	Chancellor, Maui Community 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.	
Alu Like		\$207,946
	<u>Alu Like, Inc., Native Hawaiian Career Technical Education Program - Poina Nalu</u>	
Sandra Y Matsui	Chancellor, Honolulu Community College	
	To increase the enrollment, retention and completion of Native Hawaiians in career technical education program.	
Hawaii Council for the Humanities		\$7,500
	<u>History Commemoratie Project 2009</u>	
James Horton	Department of American Studies	
	Series of public lectures, colloquia, seminar participation and teacher seminars and workshops conducted by visiting scholars and American Studies professors.	

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### Hawaii- Business and Other

Hawaii Council for the Humanities	\$5,000
<u>Honolulu Record Digitization Project</u>	
Sharla Hanaoka	Chancellor, University of Hawaii at West Oahu
This project involves the proofreading and transferring of 5,034 news pages of articles to a template. The articles are already converted to electronic files but due to computer software limitations, such as typographical and formatting issues, they need to be transferred to be made useable and searchable. The articles will be made public on the Honolulu Record's website.	
Hawaii Council for the Humanities	\$5,000
<u>Digitization Video of Chinese Last Empire Dress Code</u>	
Shu Lin	Department of Family and Consumer Sciences
The purpose of this project is two-fold, consisting of the preservation and the promotion of the UHM collection of Q'ing Dynasty textiles through production of a documentary video production. The plan consists of two different steps that will be carried out in order to preserve and promote this special collection of textiles.	
Healy Tibbits Builders, Inc.	-\$36,114
<u>Ocean Engineering Internship</u>	
Kwok Fai Cheung	Department of Ocean and Resources Engineering
Internship program for graduate students in Ocean and Resources Engineering.	

#### Hawaii- Government Agencies

County of Hawaii	\$13,500
<u>Agricultural Educational Outreach</u>	
Susan C Miyasaka	College of Tropical Agriculture and Human Resources
The projects in this proposal focus on Agricultural Educational Outreach, fostering a diverse and sustainable agricultural economy on Hawaii island with demonstration seminars, workshops, field trips and technology. The projects provide dissemination of agricultural information with educational opportunities for community members, local youth and visitors.	
County of Maui	\$83,651
<u>Maui County Coastal Processes Extension Project, Year 12</u>	
Zoe M Norcross	Sea Grant College Program
The main goals of the project are to preserve coastal resources, to reduce the damage to property and risks to human health and safety caused by coastal hazards, and to enhance shoreline processes education in Maui County.	
DOH-Maternal and Child Health Branch	\$24,900
<u>Prevention of Violence Against Women Public Service Announcements</u>	
Pua Auyong-White	Student Equity, Excellence, and Diversity
Produce a minimum of 3 thirty second public service announcements on prevention of violence against women.	
Hawaii-Dept of Agriculture	\$45,871
<u>Hawaii Pesticide Applicator Training 2008-2010 Work Plan</u>	
Charles Y Nagamine	Department of Plant and Environmental Protection Sciences
Provide education, training, and publicity services to support the Hawaii Department of Agriculture's program for testing and certification of restricted use pesticide applicators.	

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### Hawaii- Government Agencies

Hawaii-Dept of Education	\$30,000
<u>An Evaluation of the Kekaulike 21st Century community Learning Centers in 2007-08</u>	
Terry Ann Higa	Curriculum Research and Development Group
The evaluators will collect, summarize and report data to address the requirements of the 21st Century program, including academic achievement, implementation of activities, demographic data, project partnerships, academic behavior, community partners, services to parents and other adults, operating data (hours and staffing), and NCLB status.	
Hawaii-Dept of Education	\$370,000
<u>UH Masters of Education in Teaching Program</u>	
Joseph T Zilliox	Department of Curriculum Studies
To provide teaching interns for the Department of Education's Master's of Education in Teaching Program and in-service professional development and school renewal.	
Hawaii-Dept of Health	\$30,000
<u>Three Site Evaluation of Cultural Projects</u>	
Hamilton I. McCubbin	School of Social Work
Conduct evaluations (qualitative and quantitative data) of three cultural projects to determine impact and basis for improvement.	
Hawaii-Dept of Health	\$81,100
<u>Education Research Services for the Implemenatation of the Synar Amendment</u>	
Cheryl L. Albright	Cancer Research Center
A scientific sample of tobacco retail outlets will be visited by undercover minors and volunteer adults. The minors will attempt to purchase tobacco in each of the outlets. Sales statistics will be collected and reported.	
Hawaii-Dept of Health	\$1,257,281
<u>Project Ho'omohala - Transition to Adulthood</u>	
Jean Lee Johnson	Center on Disability Studies
The goal of this project is to implement and evaluate a system of a care encompassing the Transition to Independence Process for youth with emotional and behavioral challenges between the ages of 15-21, who live in the Kalihi-Palama area.	
Hawaii-Dept of Health	\$59,385
<u>Emergency Pediatric Care Course for Emergency Medical Technicians</u>	
Edward J Kalinowski	Chancellor, Kapiolani Community College
Establish and implement Emergency Pediatric Care course for emergency medical technicians in Hawaii to enhance pediatric assessment and treatment skills.	
Hawaii-Dept of Health	\$232,113
<u>Child and Adolescent Mental Health Nursing (CAMHN) Project</u>	
Ramona Chinn	Department of Nursing
State of Hawaii, Department of Health, Child and Adolescent Mental Health Division (CAMHD) to fund specialized faculty to create an instructional graduate nursing specialization in CAMHN w/clinical experience, student support in form of tuition waivers and role development for advance practice registered nurses (APRN) through faculty practice in the public sector.	

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### Hawaii- Government Agencies

Hawaii-Dept of Health	\$228,637
<u>Tobacco Sales Enforcement for Synar Amendment</u>	
Cheryl L. Albright	Cancer Research Center
Provide technical assistance to support county Police Departments in their operations to enforce HRS 709-908. This involves recruiting and training teams of adults and volunteer minors to participate in police operations, scheduling, and coordination of support activities. Inspection data will be collected and reported.	
Hawaii-Dept of Human Services	\$351,425
<u>Child Welfare Training</u>	
Meripa T. Godinet	School of Social Work
To train social workers, administrators, and social work students to meet key competency areas in child and family social work practice. In addition, to evaluate and research child welfare issues and practice with focus on cultural competence.	
Hawaii-Dept of Human Services	\$133,920
<u>UH - CES Food Stamp Nutrition Education Program</u>	
Naomi A Kanehiro	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 food stamp participants and those eligible to participate.	
Hawaii-Dept of Human Services	\$68,858
<u>Partnership to Increase the Quality of Hawaii's Medicaid Services</u>	
Jon K Matsuoka	School of Social Work
Serve as a Medical Care Consultant to the DHS Medi-Quest Division.	
Hawaii-Dept of Human Services	\$220,707
<u>SONDH Mental Health Task Order to Improve the Efficiency and Effectiveness of the Medicaid System - Task Order #5</u>	
Ramona Chinn	Department of Nursing
This will be an outreach service project to facilitate mental health services for children and adolescents who are medicaid eligible. There will be culturally sensitive outreach to medicaid eligible families in the Waimanalo community.	
Hawaii-Off of Hawaiian Affairs	\$40,500
<u>Hookulaiwi: Niihau Teacher Education Initiative</u>	
Pohai Kukea Shultz	Department of Curriculum Studies
The mission of this Hookulaiwi initiative is to provide a preservice teacher education program to five Niihau educators. Because of Niihau's isolation and unique circumstances, the goal is to work in partnership with the teachers to fulfill NCLB requirements without causing a negative impact to the community. This proposal will fund the first year of the project only.	



## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### Hawaii- Health Organizations

Straub Clinic & Hospital <u>Reimbursement Agreement - FY2009, Agreement No. SF09-STRAUB-SURG</u> Danny M Takanishi                      Department of Surgery Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.	\$61,072
Wahiawa General Hospital <u>Reimbursement Agreement - FY2009, Agreement No. SF09-WHG-FPCH</u> Neal A Palafox                              Department of Family Medicine and Community Health Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.	\$580,070
Waianae Coast Comprehensive Health Center <u>Waianae Health Academy--Ola Loa Ka Naauao</u> David A Ringuette                              Chancellor, Windward Community College Offer agriculture classes leading to a Certificate of Completion --Agricultural Technology at Waianae Coast Comprehensive Health Center.	-\$2,092

#### Hawaii- Non-Profit Organizations

Catholic Charities Hawaii <u>Try Wait! Abstinence Program Evaluation - Year 2</u> Charles Nagatoshi                              School of Social Work To assist in the data collection and analysis of the Try Wait! Abstinence program.	\$80,000
Malama o Manoa <u>Acquisition of Embossing Machine for Labeling Plant Collection</u> Christopher Dunn                              Lyon Arboretum To obtain funding to acquire an embossing machine, which will be utilized to create plant accession tags for the Arboretum plant collection.	\$1,500
Molokai Community Service Council <u>Molokai Na Lei Mamo Project Year 3</u> Leven Wilson                                      School of Social Work Providing training, consultation and supervision to staff of the Na Lei Mamo Project based in Molokai.	\$23,420
Nat'l Resource Conservation Service <u>Hawaii Conservation Alliance</u> Kenneth Y Kaneshiro                              Pacific Biosciences Research Center Outreach to increase awareness and involvement in conserving and managing Hawaii's ecosystems. Production of an annual report on effective conservation in the Hawaiian Islands.	\$10,000
Univ of Hawaii Foundation <u>Clinical Trials Data Entry</u> Jonathan Cho                                      Cancer Research Center Salary of data entry clerk to maintain the web pages for the Clinical Trials Unit at CRCH to promote Clinical Trials education and participation.	\$50,000

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation		\$20,000
<u>Basic Institutional Needs</u>		
Ho-Min Sohn	Center for Korean Studies	
Pay for student salaries.		
Univ of Hawaii Foundation		\$11,672
<u>General Laborer II</u>		
David S Tamanaha	Chancellor, Maui Community College	
UHF MCC Development Funds to support 33% of the MCC General Laborer position (900184). This position to support campus beautification and preventative maintenance projects, campus-wide.		
Univ of Hawaii Foundation		\$10,000
<u>UHF General Support of Hon CC</u>		
Michael T Rota	Chancellor, Honolulu Community College	
To provide general support of Honolulu Community College through the use of funds currently administered by the University of Hawaii Foundation.		
Univ of Hawaii Foundation		\$6,000
<u>Laila Art Fellows</u>		
Gaye M G Chan	College of Arts and Humanities	
Funds to pay Laila Art Fellows their monthly stipends.		

#### Mainland- Business and Other

Nat'l Writing Project		\$5,000
<u>HWP Inquiry into Vocabulary Development</u>		
Rhonda Nowak	Hawaii Institute of Marine Biology	
This grant is intended to support teacher professional development in vocabulary.		

#### Mainland- Non-Profit Organizations

National Academies		\$4,000
<u>Ford Foundation Diversity Fellowship for AY 2008-09</u>		
Peter V Garrod	Graduate and Professional Education	
Cost of education awards to support award recipients.		
National Parkinson Foundation		\$121,303
<u>Hawaii Parkinson Disease Center of Excellence</u>		
Patricia Blanchette	Department of Geriatric Medicine	
Education and training for individuals about Parkinson through the Comprehensive, Outreach, and Research portions of Parkinson Disease COE at Kuakini Medical Center.		



## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### National Science Foundation

National Science Foundation	\$49,602
<u>Workshops on Inquiry-Based Laboratory Teaching Methods Through the CfAO Professional Development Program</u>	
Lisa Hunter	Institute for Astronomy
Partially support workshops held within the Professional Development Program (PDP), and ensure the inclusion of Hawaii-based participants in the program. The PDP is designed to prepare science and engineering (S&E) graduate students for designing and teaching inquiry-based laboratory modules.	

#### Non-Profit Organizations

Marine Conservation Biology Institute	\$7,376
<u>Quantifying Historical Anthropogenic Impacts to Ecosystem Integrity in the Northwestern Hawaiian Islands - Fellow - J. Kittinger</u>	
Hong Jiang	Department of Geography
This research project focuses on the collection and synthesis of historical quantitative data and information on resource extraction activities in the Northwestern Hawaiian Islands.	

#### US Colleges and Universities

Mississippi State University	-\$16,322
<u>University of Hawaii Participation in MOS University Consortium PET Project</u>	
David K Lassner	Information Technology Services
The University of Hawaii will support the MOS University Team with the Training Coordination of the DoD PET Program. It will also respond to requests for technical training support as requested.	
Mississippi State University	\$16,322
<u>University of Hawaii Participation in MOS University Consortium PET Project</u>	
David K Lassner	Information Technology Services
The University of Hawaii will support the MOS University Team with the Training Coordination of the DoD PET Program. It will also respond to requests for technical training support as requested.	
Univ of California (The Regents of)	\$126,967
<u>Agreement between The Regents of the University of California and University of Hawaii</u>	
Victoria Niederhauser	School of Nursing and Dental Hygiene
The principal investigator for the subcontract will be the Curriculum and Clinical Coordinator for Hawaii-based students and will partner with UCSF to deliver a Neonatal Nurse Practitioner program to students living in California and Hawaii. Subcontract will provide new VTC equipment for the UH site, PDA's for students, an online clinical	
University of Colorado	\$14,730
<u>Native Elder Research Center Fellowship Program</u>	
Kaimi Sinclair	Department of Native Hawaiian Health
The 2-year training fellowship requires travel 6 times per year to attend trainings at the University of Colorado Health Sciences Center with the goal of developing American Indian independent investigators. Trainings include statistics, writing NIH grant applications, study design, using bibliographic software, and mentoring by experienced investigators.	

## Gifts, Grants, and Contracts for October 2008

### Non-Research

#### US Colleges and Universities

Utah State University \$53,768

Promoting Adaptive Management with 'Tropic Sun' Sunn Hemp (Crotalaria Juncea) in Hawaii for Ecological Weed Control, Nematode Suppression and Nutrient

James Leary College of Tropical Agriculture and Human Resources

This project will provide outreach to University of Hawaii-CES and USDA-NRCS personnel with three on-farm demonstrations established on the islands of Oahu, Maui and Molokai in organic and transition production systems demonstrating alternative uses of this important cover crop species.

<b>Subcount:</b>	<b>83</b>	<b>Subtotal:</b>	<b>\$14,039,835</b>
<b>Count:</b>	<u><b>172</b></u>	<b>Total:</b>	<u><b>\$37,761,756</b></u>

## Funds Received from UH Foundation for 10/01/2008 - 10/31/2008

### Non-Research

#### Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation	\$6,000
"Laila Art Fellows"	
Chan, Gaye M G	College of Arts and Humanities
Funds to pay Laila Art Fellows their monthly stipends.	
Univ of Hawaii Foundation	\$50,000
"Clinical Trials Data Entry"	
Cho, Jonathan	Cancer Research Center
Salary of data entry clerk to maintain the web pages for the Clinical Trials Unit at CRCH to promote Clinical Trials education and participation.	
Univ of Hawaii Foundation	\$10,000
"UHF General Support of Hon CC"	
Rota, Michael T	Chancellor, Honolulu Community College
To provide general support of Honolulu Community College through the use of funds currently administered by the University of Hawaii Foundation.	
Univ of Hawaii Foundation	\$20,000
"Basic Institutional Needs"	
Sohn, Ho-Min	Center for Korean Studies
Pay for student salaries.	
Univ of Hawaii Foundation	\$11,672
"General Laborer II"	
Tamanaha, David S	Chancellor, Maui Community College
UHF MCC Development Funds to support 33% of the MCC General Laborer position (900184). This position to support campus beautification and preventative maintenance projects, campus-wide.	

### Research

#### Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation	\$44,000
"The Effects of Na-K-2Cl Cotransporter Inhibition in Infants with Chronic Lung Disease"	
Iwamoto, Lynn M	Department of Pediatrics
This is to determine mechanisms of NKCC mediated inhibition of lung cell proliferation. We will examine signal transduction pathways regulating cyclin-CDK phosphorylation of retinoblastoma protein. We will also determine cytoskeletal changes that modify progression through the cell cycle. Finally, these will be correlated with in vivo tissue changes.	
<b>Count:</b>	<b><u>6</u></b>
<b>Total:</b>	<b><u>\$141,672</u></b>

**Extramural Research Awards  
for the Month of  
October 2008  
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	7	\$888,826	3.75%
DHHS-Dept of Health and Human Services	16	\$12,554,661	52.92%
DOC-Dept of Commerce	2	\$526,000	2.22%
DOD-Department of Defense	11	\$2,659,380	11.21%
DOI-Dept of Interior	3	\$183,440	0.77%
Federal Agencies	3	\$2,345,277	9.89%
Foreign	2	\$121,869	0.51%
Hawaii- Business and Other	2	\$66,589	0.28%
Hawaii- Government Agencies	15	\$1,298,845	5.48%
Hawaii- Health Organizations	1	\$89,146	0.38%
Hawaii- Non-Profit Organizations	2	\$59,000	0.25%
Mainland- Business	1	\$7,963	0.03%
Mainland- Business and Other	8	\$840,670	3.54%
Mainland- Non-Profit Organizations	2	\$156,420	0.66%
Miscellaneous	1	\$24,648	0.10%
National Aeronautics and Space Administration	3	\$71,313	0.30%
National Science Foundation	3	\$1,309,947	5.52%
US Colleges and Universities	7	\$517,927	2.18%
<b>Total:</b>	<b><u>89</u></b>	<b><u>\$23,721,921</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards  
for the Month of  
October 2008  
Distribution by Sponsors**

<b><u>AGENCY-UNIT</u></b>	<b><u>NO. OF AWARDS</u></b>	<b><u>AMOUNT</u></b>	<b><u>PERCENT</u></b>
DA-Dept of Agriculture	1	\$147,666	1.05%
DHHS-Dept of Health and Human Services	6	\$1,319,383	9.40%
DOC-Dept of Commerce	4	\$922,514	6.57%
DOD-Department of Defense	4	\$1,650,379	11.75%
DOI-Dept of Interior	1	\$186,619	1.33%
ED-Dept of Education	6	\$1,024,267	7.30%
Federal Agencies	4	\$128,436	0.91%
Foreign	4	\$460,639	3.28%
Hawaii- Business and Other	6	\$253,413	1.80%
Hawaii- Government Agencies	17	\$3,271,848	23.30%
Hawaii- Health Organizations	11	\$4,079,333	29.06%
Hawaii- Non-Profit Organizations	9	\$212,592	1.51%
Mainland- Business and Other	1	\$5,000	0.04%
Mainland- Non-Profit Organizations	2	\$125,303	0.89%
National Science Foundation	1	\$49,602	0.35%
Non-Profit Organizations	1	\$7,376	0.05%
US Colleges and Universities	5	\$195,465	1.39%
<b>Total:</b>	<b><u>83</u></b>	<b><u>\$14,039,835</u></b>	<b><u>100%</u></b>

**Extramural Research Awards  
Year to Date: 07/01/08 - 10/31/08  
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	57	\$6,438,678	6.10%
DHHS-Dept of Health and Human Services	55	\$34,000,764	32.21%
DOC-Dept of Commerce	45	\$19,100,758	18.10%
DOD-Department of Defense	22	\$5,837,880	5.53%
DOE-Dept of Energy	8	\$1,465,021	1.39%
DOI-Dept of Interior	24	\$2,385,595	2.26%
Federal Agencies	3	\$2,345,277	2.22%
Foreign	6	\$2,579,983	2.44%
Hawaii- Business and Other	10	\$645,014	0.61%
Hawaii- Government Agencies	48	\$6,617,793	6.27%
Hawaii- Health Organizations	8	\$214,210	0.20%
Hawaii- Non-Profit Organizations	19	\$728,231	0.69%
Mainland- Associations, Foundations, Societies, etc.	1	\$23,193	0.02%
Mainland- Business	1	\$7,963	0.01%
Mainland- Business and Other	42	\$3,417,033	3.24%
Mainland- Health Organizations	4	\$69,450	0.07%
Mainland- Non-Profit Organizations	7	\$431,072	0.41%
Miscellaneous	1	\$24,648	0.02%
National Aeronautics and Space Administration	37	\$2,622,340	2.48%
National Science Foundation	57	\$14,988,245	14.20%
US Colleges and Universities	22	\$1,601,862	1.52%
<b>Total:</b>	<b><u>477</u></b>	<b><u>\$105,545,010</u></b>	<b><u>100%</u></b>

**Extramural Non-Research Awards**  
**Year to Date: 07/01/08 - 10/31/08**  
**Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	10	\$2,875,717	3.80%
DHHS-Dept of Health and Human Services	20	\$4,731,484	6.24%
DOC-Dept of Commerce	8	\$1,328,725	1.75%
DOD-Department of Defense	9	\$2,709,268	3.58%
DOI-Dept of Interior	26	\$1,194,812	1.58%
ED-Dept of Education	62	\$26,654,375	35.18%
Federal Agencies	14	\$3,719,975	4.91%
Foreign	7	\$1,115,645	1.47%
Hawaii- Business and Other	24	\$1,703,264	2.25%
Hawaii- Government Agencies	73	\$13,795,994	18.21%
Hawaii- Health Organizations	19	\$4,477,802	5.91%
Hawaii- Non-Profit Organizations	43	\$2,459,304	3.25%
Mainland- Business and Other	4	\$228,172	0.30%
Mainland- Health Organizations	1	\$2,000	0.00%
Mainland- Non-Profit Organizations	6	\$264,032	0.35%
Miscellaneous	2	\$9,500	0.01%
National Aeronautics and Space Administration	4	\$1,898,027	2.50%
National Science Foundation	10	\$4,939,724	6.52%
Non-Profit Organizations	1	\$7,376	0.01%
US Colleges and Universities	15	\$1,658,378	2.19%
<b>Total:</b>	<b><u>358</u></b>	<b><u>\$75,773,574</u></b>	<b><u>100%</u></b>