NOTICE OF BOARD OF REGENTS’ MEETING

Date: February 20, 2009

Board business not completed on this day will be taken up on another day and time announced at the conclusion of the meeting.

Time: 9:15 a.m.

Place: Kapi‘olani Community College
‘Ohelo Building, Tamarind Room
4303 Diamond Head Road
Honolulu, HI 96816

AGENDA

I. Call Meeting to Order

II. Approval of Meeting Minutes of November 21, 2008, December 18, 2008, and January 14, 2009

III. Public Comment Period: Individuals may orally testify on items on this agenda either during the Public Comment Period or when the agenda item is taken up by the Board. Please call the Board Office prior to the meeting or notify the Secretary of the Board at the meeting site. Written testimony is also accepted.

IV. Report of the President

V. Items for Board Action:

University of Hawai‘i - Mānoa
1. Approval of Sublease with UCERA and the John A. Burns School of Medicine (JABSOM)
2. Report from the Regents’ Task Group on Public/Private Partnerships Concerning the Cancer Research Center Development
3. Acceptance of Audit Report on UHM Athletics
4. Approval of Lease Renewal for JABSOM with Kuakini Medical Center, Hyperbaric Treatment Center

University of Hawai‘i – Hilo
5. Approval of Upgrading of Post-Baccalaureate Kahuawaiola Indigenous Teacher Education Certificate to Graduate Level

University of Hawai‘i – Community Colleges
6. Approval of Accreditation Progress Report to the ACCJC — Windward Community College

UH System
7. Quarterly Report on Campus Development (information only)
8. Quarterly Financial Report (information only)
9. Approval of a Supplemental Resolution Authorizing Issuance of University Revenue Bonds Not to Exceed $100 Million

Board Business
10. Report on the Status of the Presidential Selection (information only)
VI. Acceptance and Approval of Gifts, Grants and Contracts [Attachments A1, A2, A3, A4]

VII. Approval and Disclosure of Personnel Actions [Attachments B1, B2]

VIII. Announcements

1. Next Meeting of the Board:
   Date: March 20, 2009
   Place: Honolulu Community College

2. Committee and Task Group Assignments

IX. Executive Session (closed to the public):

Personnel Actions Related to the Following Positions: (To discuss the following personnel matters pursuant to HRS §92-5(a)(2))
   a. Approval of Emeritus Title to Larry Fujinaka – Leeward Community College
   b. Discussion of Multi-Year Appointments
   c. Update on Executive Searches

Legal and Real Estate Matters: (To consult with attorneys on powers, immunities, and liabilities pursuant to HRS §92-5(a)(4); To consider negotiations concerning acquisition of public property pursuant to HRS §92-5(a)(3))
   d. Report from Regents’ Task Group on Public/Private Partnerships Concerning the Cancer Research Center Development
   e. Acceptance of Audit Report on UH Mānoa Athletics
   f. Status Report on Campus Developments

Collective Bargaining: (To discuss authority of persons conducting labor negotiations and conducting negotiations pursuant to HRS §92-5(a)(3))
   g. Collective Bargaining

XI. Adjournment
## 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

### Research

**DA-Dept of Agriculture**

<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>$94,808</th>
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<tbody>
<tr>
<td><strong>Detection, Control and Mitigation of Banana Bunchy Top Virus (BBTV) and Citrus Tristeza (CTV) Virus in Hawaii</strong></td>
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<td>Douglas L Vincent</td>
<td>College of Tropical Agriculture and Human Resources</td>
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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.

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<tr>
<th>Department of Agriculture</th>
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<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>$233,316</th>
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<tbody>
<tr>
<td><strong>Protecting Papaya from Pests and Diseases</strong></td>
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</tr>
<tr>
<td>Douglas L Vincent</td>
<td>College of Tropical Agriculture and Human Resources</td>
</tr>
</tbody>
</table>

Develop and evaluate non-toxic, preferably biologically-based, environmentally suitable technologies and processes for pest and disease control on papaya.

<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>$131,000</th>
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<tbody>
<tr>
<td><strong>Development of Virus Resistant Plants</strong></td>
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</tr>
<tr>
<td>Michael H Shintaku</td>
<td>College of Agriculture, Forestry-UHH</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>$200,353</th>
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<tbody>
<tr>
<td><strong>UHM-Collaborative Effort for Evaluating Regionally Based Feedstock and Co-Products for Aquaculture and Livestock</strong></td>
<td></td>
</tr>
<tr>
<td>Andrew G Hashimoto</td>
<td>College of Tropical Agriculture and Human Resources</td>
</tr>
</tbody>
</table>

The main objective of this agreement is to evaluate the usefulness of regionally grown feedstock for aquaculture and livestock.

<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>$24,000</th>
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</thead>
<tbody>
<tr>
<td><strong>Funding for Mutual Interest</strong></td>
<td></td>
</tr>
<tr>
<td>Jack Kenneth Grace</td>
<td>Department of Plant and Environmental Protection Sciences</td>
</tr>
</tbody>
</table>

Continuation of Student assistant(s) at Manoa ARS facility for on-going research and grant studies.

<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>$179,632</th>
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<tbody>
<tr>
<td><strong>Environmental Effects of Tephritid Fruit Fly Control and Eradication</strong></td>
<td></td>
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<td>Douglas L Vincent</td>
<td>College of Tropical Agriculture and Human Resources</td>
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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

Agency for Healthcare Research and Quality/DHHS

Clinical Implications of Variation Among Medicare Formularies

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.

National Cancer Institute/NIH/DHHS

Patterns of Care Study: Diagnosis Year 2007

Marc T Goodman Cancer Research Center

Evaluate treatment patterns specifically for thyroid, glioblastoma, and adolescent and young adult cancer.

National Cancer Institute/NIH/DHHS

The Colon Cancer Family Registry: Hawaii

Loic Le Marchand Cancer Research Center

To maintain and expand the Hawaii Colorectal Cancer Family Registry for the next four years.

National Cancer Institute/NIH/DHHS

Cancer Research Center of Hawaii

Carl-Wilhelm Vogel Cancer Research Center

Support grant.

National Cancer Institute/NIH/DHHS

Inflammation and Innate Immunity Genes and Colorectal Cancer Risk

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.

National Cancer Institute/NIH/DHHS

Surveillance, Epidemiology and End Results (SEER) Program

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.

National Cancer Institute/NIH/DHHS

University of Guam/Cancer Research Center of Hawaii Partnership

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.

National Center for Research Resources/NIH/DHHS

Pacific Research Center for Early Human Development

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.
Gifts, Grants, and Contracts for October 2008

Research

DHHS-Dept of Health and Human Services

National Institute of Allergy and Infectious Diseases/NIH/DHHS

Novel Engineering of a P. falciparum Merozoite Surface Protein 1 Malaria Vaccine

George S N Hui
Dept of Trop Med, Medical Microbiology and Pharmacology
To develop a blood stage vaccine against human malaria.

$254,320

National Institute of Neurological Disorders and Stroke/NIH/DHHS

HIV-1 Specific Immune Responses in Thai Individuals with HIV Dementia

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.

$326,334

National Institutes of Health/DHHS

Epidemiology of Putative Causal Variants in the Multiethnic Cohort

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.

$1,636,711

National Institutes of Health/DHHS

Emotion and Cognition on Gene, Cell and Systems Levels

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.

$1,940,600

National Institutes of Health/DHHS

Imaging Studies in Neurotoxicity and Neurodevelopment

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.

$1,665,443

National Institutes of Health/DHHS

RCMI Clinical Research Infrastructure Initiative (RCRII)

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.

$1,780,649

National Institutes of Health/DHHS

Institute for Biogenesis Research: COBRE

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.

$1,831,026
Gifts, Grants, and Contracts for October 2008

Research

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

National Institutes of Health/DHHS

- **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

- **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

- **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

- **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

- **LEONIDAS: Low-Earth Orbit Nanosat-Integrated Defense Autonomous Systems**
  - The LEONIDAS project will design, build, test, launch, and operate small spacecraft in low-Earth orbit.

Department of the Air Force

- **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

- **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
Analysis and High-Resolution Modeling of Tropical Cyclogenesis during the TCS-08 and TPARC Field Campaign
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
Effects of Offshore Forcing in the Nearshore Environment
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
Detection Methods of Counter Improvised Explosive Devices (C-IED)
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
Dynamics of Tropical Cyclone Intensity Change
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
Development of a Combined Raman and LIBS System for Stand-off Detection of Explosive Residues
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
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
Long-Range Lightning Detection over the Western Pacific Ocean
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 rates, (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
  - Testing and Adapting Change Vector Analysis to NPS PACN Landscape Dynamics: A Pilot Study
  - 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
  - Monitoring Protocol Development Assistance, Pacific Island Network
  - 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
  - Spatial Data and Mapping Projects in Collaboration with the Pacific Basin Information Node (PBIN)
  - 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
  - Integration and Test/Evaluation of the Quadtree-Based Algorithm for Lossless Compression of Volumetric Data (CUBRC Inc.)
  - 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
  - The National Center for Island, Maritime and Extreme Environment Security (CIMES)
  - 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
  - The National Center for Island, Maritime and Extreme Environment Security (CIMES)
  - 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 Rubino 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

**Fun 5 Program, Promoting Physical Activity and Nutrition in Maui After School Programs (A+)**

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

**Relating to the Evaluation of the UPLINK Program**

Sylvia H L Yuen  
Center on the Family

Develop and implement and evaluation plan on the Uniting Peer Leering, Integrating New Knowledge after-school program in selected middle schools Statewide.

Hawaii-Dept of Land & Natural Resources

**Acoustic Monitoring of Long-Term Movement Patterns, Habitat Use and Site Fidelity of Food and Game Fishes in the Main Hawaiian Islands, Phase II**

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

**Barn Owls (Tyto alba) and Rats (Rattus rattus, Rattus exulans): Invasive Predators of Native Seabirds**

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

**Coordination and Planning of Programmatic Habitat Conservation Plan for Endangered and Threatened Seabirds on Kauai, Hawaii**

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

**Endangered Maui Forest Bird Population Research and Management**

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

**Support for the HISC Program**

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

**Kauai Endangered Forest Bird Conservation Research and Management**

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
Effectiveness of Vegetation for Mitigation the Coastal Impact due to Storm Surge and Tsunamis and Public Education
Andrew J Kaufman Department of Tropical Plant and Soil Sciences
Looking at the effectiveness of vegetation for mitigating the coastal impact due to storm 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
Determine the Efficacy of Fungicides to Protect Endangered Species from the Rust, Puccinia psidii and Other Heavily Diseased Myrtaceae.
Janice Y Uchida Department of Plant and Environmental Protection Sciences
To scientifically determine those fungicides that will protect endangered species and other myrtaceae, 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
Infiltration of Storm Water from Highway Operations to Reduce Coastal Pollution
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
Development of Flexible Concrete Joints for Deck Structures with Deteriorated Mechanical Joints and Corrosion Damage
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
Disproportionality and Hawaii's Juvenile Justice System
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
Epidemiology of Aging and Dementia Autopsy Research
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
HEALTHY Tobacco Technical Assistance Project
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
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
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
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
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
Eli Lilly H80-MC-GWBQ Safety and Efficacy of Exenatide as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2
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.
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 $10,000

Computational Simulations of Habitable Planets
Nader Haghighipour Institute for Astronomy
Purchase CPU to augment computer capability to enhance research ability.

National Aeronautics and Space Administration $29,213

Augmentation to Origin, History and Distribution of Water
Ralf Ingo Kaiser Department of Chemistry
Support graduate student activities in CO3, CO4, CO/NN experiments and subsequent publications.

National Aeronautics and 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 $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

Stardust-NExT Project
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

Attaining the Photometric Accuracy Required by Future Dark Energy Projects
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

A Longitudinal MRS Study of HIV-Related Brain Injury
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.

Tufts University

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Univ of California (The Regents of)

Western Regional Center in the National Plant Diagnostic Network
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

JWST Near Infrard Camera Co-Investigator Support
Klaus W Hodapp Institute for Astronomy

University of Toledo

Rapidly Deployable Solar Electricity and Fuel Sources
Eric L Miller Hawaii Natural Energy Institute
The University of Hawaii at Manoa (UHM) will fabricate thin film Cu(In, Ga)Se2 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

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
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

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.

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National Center on Minority Health and Health Disparities/NIH/DHHS

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  
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.  

$62,599

**DOC-Dept of Commerce**

DOC-Nat'l Marine Fisheries Service  
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.  

$1,790

Department of Commerce  
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.  

$100,200

Economic Development Administration/Department of Commerce  
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.  

$320,847

National Telecommunications & Information Admin./Dept. of Commerce  
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.  

$499,677

**DOD-Department of Defense**

DOD-Nat'l Security Education Program  
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.  

$1,046,029

DOD-Nat'l Security Education Program  
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.  

$206,098
**Gifts, Grants, and Contracts for October 2008**

**Non-Research**

**DOD-Department of Defense**

DOD-Natl Security Education Program

*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

*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

*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

*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.

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

*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**

*"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
Native Hawaiian Serving Institutions FY 09
Gail M Makuakane-Lundin Vice Chancellor for Student Affairs-UHH

ED-Dept of Education
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
   Training Program for Bio-ON
   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
   Pacific Regional Comprehensive Cancer Control Implemenatation Program (Subcontract from FSM DOH)
   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
   2008 SPED Cohort Programs
   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
   Arrangement of Historical Observation Dataset for Philipppines Meteorological Stations III
   Axel Timmermann Department of Oceanography
   To duplicate the "Philippine Weather Bureau Reports" from 1904 to 1938.

Hawaii- Business and Other

Akaku Maui Community Television $64,081
   MCC-TV Educational Access Television
   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
   Alu Like, Inc., Native Hawaiian Career Technical Education Program - Poina Nalu
   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
   History Commemoratie Project 2009
   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 profesors.
Gifts, Grants, and Contracts for October 2008

Non-Research

Hawaii- Business and Other

Hawaii Council for the Humanities
Honolulu Record Digitization Project
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
Digitization Video of Chinese Last Empire Dress Code
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 Qing 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.
Ocean Engineering Internship
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
Agricultural Educational Outreach
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
Maui County Coastal Processes Extension Project, Year 12
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
Prevention of Violence Against Women Public Service Announcements
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
Hawaii Pesticide Applicator Training 2008-2010 Work Plan
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

An Evaluation of the Kekaulike 21st Century community Learning Centers in 2007-08
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

UH Masters of Education in Teaching Program
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

Three Site Evaluation of Cultural Projects
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

Education Research Services for the Implemenatation of the Synar Amendment
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

Project Ho'omohala - Transition to Adulthood
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

Emergency Pediatric Care Course for Emergency Medical Technicians
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

Child and Adolescent Mental Health Nursing (CAMHN) Project
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

**Tobacco Sales Enforcement for Synar Amendment**
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

**Child Welfare Training**
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

**UH - CES Food Stamp Nutrition Education Program**
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

**Partnership to Increase the Quality of Hawaii's Medicaid Services**
Jon K Matsuoka  School of Social Work
Serve as a Medical Care Consultant to the DHS Medi-Quest Division.

Hawaii-Dept of Human Services

**SONDH Mental Health Task Order to Improve the Efficiency and Effectiveness of the Medicaid System - Task Order #5**
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

**Hookulaiwi: Niihau Teacher Education Initiative**
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 Nihau'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

<table>
<thead>
<tr>
<th>Organization</th>
<th>Agreement Details</th>
<th>Reimbursement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kapiolani Medical Center</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-KMCWC-PEDS</td>
<td>$323,277</td>
</tr>
<tr>
<td></td>
<td>Raul C Rudoy</td>
<td>Department of Pediatrics</td>
</tr>
<tr>
<td></td>
<td>Salary, Fringe Benefit &amp; Malpractice reimbursement agreement to provide physician and physician related services for FY2009.</td>
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<tr>
<td>Kapiolani Medical Center</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-KMCWC-SURG</td>
<td>$59,339</td>
</tr>
<tr>
<td></td>
<td>Danny M Takanishi</td>
<td>Office of Public Health Studies</td>
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<tr>
<td></td>
<td>Salary, Fringe Benefit &amp; Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.</td>
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<tr>
<td>Kapiolani Medical Specialists</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-KMS-PSYCH</td>
<td>$134,892</td>
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<tr>
<td></td>
<td>Naleen N Andrade</td>
<td>Department of Psychiatry</td>
</tr>
<tr>
<td></td>
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<tr>
<td>Kapiolani Medical Specialists</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF-09-KMS-PEDS</td>
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<tr>
<td>Pacific In Vitro Fertilization Institute</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-PIVF-OBGYN</td>
<td>$88,774</td>
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<tr>
<td></td>
<td>Lynnae K Millar</td>
<td>Department of Obstetrics, Gynecology, and Women's Health</td>
</tr>
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<td>Salary, Fringe Benefit &amp; Malpractice reimbursement agreement to provide physician and physician related services for FY2009.</td>
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<tr>
<td>Queen Emma Clinic</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-QMC-QEC-SURG</td>
<td>$344,313</td>
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<tr>
<td></td>
<td>Danny M Takanishi</td>
<td>Department of Surgery</td>
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<td>Salary, Fringe Benefit &amp; Malpractice Insurance reimbursement agreement to provide physician and physician related services for FY 2009.</td>
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<tr>
<td>Queen's Medical Center</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-QMC-SURG</td>
<td>$634,820</td>
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<td></td>
<td>Danny M Takanishi</td>
<td>Department of Surgery</td>
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<td>Salary, Fringe Benefit &amp; Malpractice Insurance reimbursement agreement to provide physician and physician related services for FY 2009.</td>
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<tr>
<td>Rehabilitation Hospital of the Pacific</td>
<td>Reimbursement Agreement - FY2009, Agreement No. SF09-REHAB-MED</td>
<td>$17,267</td>
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<tr>
<td></td>
<td>Elizabeth K Tam</td>
<td>Department of Medicine</td>
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<tr>
<td></td>
<td>Salary, Fringe Benefit &amp; Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.</td>
<td></td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts for October 2008

Non-Research

Hawaii- Health Organizations

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

Hawaii- Non-Profit Organizations

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catholic Charities Hawaii</td>
<td>$80,000</td>
</tr>
<tr>
<td>Try Wait! Abstinence Program Evaluation - Year 2</td>
<td></td>
</tr>
<tr>
<td>Charles Nagatoshi, School of Social Work</td>
<td></td>
</tr>
<tr>
<td>To assist in the data collection and analysis of the Try Wait! Abstinence program.</td>
<td></td>
</tr>
<tr>
<td>Malama o Manoa</td>
<td>$1,500</td>
</tr>
<tr>
<td>Acquisition of Embossing Machine for Labeling Plant Collection</td>
<td></td>
</tr>
<tr>
<td>Christopher Dunn, Lyon Arboretum</td>
<td></td>
</tr>
<tr>
<td>To obtain funding to acquire an embossing machine, which will be utilized to create plant accession tags for the Arboretum plant collection.</td>
<td></td>
</tr>
<tr>
<td>Molokai Community Service Council</td>
<td>$23,420</td>
</tr>
<tr>
<td>Molokai Na Lei Mamo Project Year 3</td>
<td></td>
</tr>
<tr>
<td>Leven Wilson, School of Social Work</td>
<td></td>
</tr>
<tr>
<td>Providing training, consultation and supervision to staff of the Na Lei Mamo Project based in Molokai.</td>
<td></td>
</tr>
<tr>
<td>Nat'l Resource Conservation Service</td>
<td>$10,000</td>
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<tr>
<td>Hawaii Conservation Alliance</td>
<td></td>
</tr>
<tr>
<td>Kenneth Y Kaneshiro, Pacific Biosciences Research Center</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$50,000</td>
</tr>
<tr>
<td>Clinical Trials Data Entry</td>
<td></td>
</tr>
<tr>
<td>Jonathan Cho, Cancer Research Center</td>
<td></td>
</tr>
<tr>
<td>Salary of data entry clerk to maintain the web pages for the Clinical Trials Unit at CRCH to promote Clinical Trials education and participation.</td>
<td></td>
</tr>
</tbody>
</table>
Gifts, Grants, and Contracts for October 2008

Non-Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation

- Basic Institutional Needs
- Ho-Min Sohn Center for Korean Studies
  Pay for student salaries.

Univ of Hawaii Foundation

- General Laborer II
  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

- UHF General Support of Hon CC
  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

- Laila Art Fellows
  Gaye M G Chan College of Arts and Humanities
  Funds to pay Laila Art Fellows their monthly stipends.

Mainland- Business and Other

Nat'I Writing Project

- HWP Inquiry into Vocabulary Development
  Rhonda Nowak Hawaii Institute of Marine Biology
  This grant is intended to support teacher professional development in vocabulary.

Mainland- Non-Profit Organizations

National Academies

- Ford Foundation Diversity Fellowship for AY 2008-09
  Peter V Garrod Graduate and Professional Education
  Cost of education awards to support award recipients.

National Parkinson Foundation

- Hawaii Parkinson Disease Center of Excellence
  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
Workshops on Inquiry-Based Laboratory Teaching Methods Through the CfAO Professional Development Program
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
Quantifying Historical Anthropogenic Impacts to Ecosystem Integrity in the Northwestern Hawaiian Islands - Fellow - J. Kittinger
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
University of Hawaii Participation in MOS University Consortium PET Project
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
University of Hawaii Participation in MOS University Consortium PET Project
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)
Agreement between The Regents of the University of California and University of Hawaii
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 will 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
Native Elder Research Center Fellowship Program
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

Promoting Adaptive Management with ‘Tropic Sun’ Sunn Hemp (Crotolaria 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.

Subcount: 83  
Count: 172  
Subtotal: $14,039,835  
Total: $37,761,756
### Funds Received from UH Foundation for 10/01/2008 - 10/31/2008

#### Non-Research

**Hawaii- Non-Profit Organizations**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$6,000</td>
<td>&quot;Laila Art Fellows&quot;</td>
</tr>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$50,000</td>
<td>&quot;Clinical Trials Data Entry&quot;</td>
</tr>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$10,000</td>
<td>&quot;UHF General Support of Hon CC&quot;</td>
</tr>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$20,000</td>
<td>&quot;Basic Institutional Needs&quot;</td>
</tr>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$11,672</td>
<td>&quot;General Laborer II&quot;</td>
</tr>
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#### Research

**Hawaii- Non-Profit Organizations**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
<th>Description</th>
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<tbody>
<tr>
<td>Univ of Hawaii Foundation</td>
<td>$44,000</td>
<td>&quot;The Effects of Na-K-2CI Cotransporter Inhibition in Infants with Chronic Lung Disease&quot;</td>
</tr>
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</table>

**Count:** 6  
**Total:** $141,672
## Extramural Research Awards
### for the Month of October 2008
### Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>7</td>
<td>$888,826</td>
<td>3.75%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>16</td>
<td>$12,554,661</td>
<td>52.92%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>2</td>
<td>$526,000</td>
<td>2.22%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>11</td>
<td>$2,659,380</td>
<td>11.21%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>3</td>
<td>$183,440</td>
<td>0.77%</td>
</tr>
<tr>
<td>Federal Agencies</td>
<td>3</td>
<td>$2,345,277</td>
<td>9.89%</td>
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<tr>
<td>Foreign</td>
<td>2</td>
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<tr>
<td>Hawaii- Business and Other</td>
<td>2</td>
<td>$66,589</td>
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<tr>
<td>Hawaii- Government Agencies</td>
<td>15</td>
<td>$1,298,845</td>
<td>5.48%</td>
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<tr>
<td>Hawaii- Health Organizations</td>
<td>1</td>
<td>$89,146</td>
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<tr>
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<td>$59,000</td>
<td>0.25%</td>
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<tr>
<td>Mainland- Business</td>
<td>1</td>
<td>$7,963</td>
<td>0.03%</td>
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<td>Mainland- Business and Other</td>
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<td>$840,670</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
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<tr>
<td>Miscellaneous</td>
<td>1</td>
<td>$24,648</td>
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</tr>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>3</td>
<td>$71,313</td>
<td>0.30%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>3</td>
<td>$1,309,947</td>
<td>5.52%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>7</td>
<td>$517,927</td>
<td>2.18%</td>
</tr>
</tbody>
</table>

**Total:** 89  **$23,721,921**  **100%**
### Extramural Non-Research Awards for the Month of October 2008

Distribution by Sponsors

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>1</td>
<td>$147,666</td>
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<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>6</td>
<td>$1,319,383</td>
<td>9.40%</td>
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<tr>
<td>DOC-Dept of Commerce</td>
<td>4</td>
<td>$922,514</td>
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<tr>
<td>DOD-Department of Defense</td>
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<td>$1,650,379</td>
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<tr>
<td>DOI-Dept of Interior</td>
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<tr>
<td>ED-Dept of Education</td>
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<tr>
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<td>$128,436</td>
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<tr>
<td>Foreign</td>
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<tr>
<td>Hawaii- Business and Other</td>
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</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>17</td>
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<tr>
<td>Hawaii- Health Organizations</td>
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<td>$4,079,333</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<tr>
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<td>Mainland- Non-Profit Organizations</td>
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<tr>
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<tr>
<td>Non-Profit Organizations</td>
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<td>$7,376</td>
<td>0.05%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>5</td>
<td>$195,465</td>
<td>1.39%</td>
</tr>
</tbody>
</table>

**Total:** 83 $14,039,835 100%
# Extramural Research Awards

**Year to Date: 07/01/08 - 10/31/08**

**Distribution by Sponsors**

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>57</td>
<td>$6,438,678</td>
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</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
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<tr>
<td>DOC-Dept of Commerce</td>
<td>45</td>
<td>$19,100,758</td>
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<td>DOE-Dept of Energy</td>
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<td>DOI-Dept of Interior</td>
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<td>Hawaii- Government Agencies</td>
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<td>Hawaii- Health Organizations</td>
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<td>$214,210</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
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<tr>
<td>Mainland- Associations, Foundations, Societies, etc.</td>
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<tr>
<td>Mainland- Business</td>
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<tr>
<td>Mainland- Business and Other</td>
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<td>22</td>
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<td>1.52%</td>
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</tbody>
</table>

**Total:** 477  $105,545,010  100%
### Extramural Non-Research Awards

**Year to Date: 07/01/08 - 10/31/08**

**Distribution by Sponsors**

<table>
<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
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<td>DA-Dept of Agriculture</td>
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<td>DOC-Dept of Commerce</td>
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<td>DOD-Department of Defense</td>
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<td>DOI-Dept of Interior</td>
<td>26</td>
<td>$1,194,812</td>
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<td>ED-Dept of Education</td>
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<td>$26,654,375</td>
<td>35.18%</td>
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<td>Foreign</td>
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<td>Hawaii- Government Agencies</td>
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<td>Hawaii- Health Organizations</td>
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</tr>
<tr>
<td>US Colleges and Universities</td>
<td>15</td>
<td>$1,658,378</td>
<td>2.19%</td>
</tr>
</tbody>
</table>

**Total:** 358  $75,773,574  100%
## Gifts, Grants, and Contracts for November 2008

The following gifts, grants and contracts received by all campuses during the period November 1, 2008 through November 30, 2008 total $28,990,381.

This report is also available for viewing at: http://www.hawaii.edu/ors/Board_Reports.htm

### Research

#### DA-Dept of Agriculture

- **High Resolution Fire Weather Forecasts for Hawaii**
  - Yi-Leng Chen
  - Department of Meteorology
  - This amendment continues work toward the long-term objective of providing high resolution weather modeling support for fire management applications in Hawaii. This work will be done in collaboration with NOAA NWS efforts to apply high resolution weather forecasting for risk assessment of natural disasters such as wildfire in Hawaii.
  - Department of Agriculture
  - $35,000

- **Collaborative Effort: Aquaculture and Livestock**
  - William Steiner
  - College of Agriculture, Forestry-UHH
  - Examine the feasibility of developing specific goat breeds and hybrid Australian Milling Zebu cattle (Phase I)
  - Department of Agriculture
  - $233,103

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

- **Culturally Competent Telemedicine for Type 2 Diabetes in Native & Pacific Peoples**
  - Marjorie K H Mau
  - Department of Native Hawaiian Health
  - The proposed administrative supplement seeks to develop and test a culturally competent telemedicine model of chronic disease management for type 2 diabetes in rural, medically underserved Native and Pacific communities.
  - National Center on Minority Health and Health Disparities/NIH/DHHS
  - $416,651

- **National Children's Study University of Hawaii Study Center - Honolulu County**
  - Lynnae K Millar
  - Department of Obstetrics, Gynecology, and Women's Health
  - Our objective is to be part of the National Children's Study (NCS) and contribute to the planned cohort study examining the effects of environmental influences on the health and development of approximately 100,000 children.
  - National Institute of Child Health and Human Development/NIH/DHHS
  - $1,000,000

- **Nutritional Risk Factors for Type 2 Diabetes in the Multiethnic Cohort**
  - Gertraud Maskarinec
  - Cancer Research Center
  - Link the Multiethnic Cohort with a list of identified diabetes patients from the 2 major insures in Hawaii. Determine the prevalence and incidence of diabetes among Caucasians, Japanese, and Native Hawaiians in the linked dataset. Evaluate the association of overweight, obesity, weight change since 21, and physical activity with the occurrence of diabetes by ethnic groups.
  - National Institute of Diabetes and Digestive and Kidney Diseases/NIH/DHHS
  - $203,448

- **Malarial Immunity in Pregnant Cameroonian Women**
  - Diane W. Taylor
  - 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.
  - National Institutes of Health/DHHS
  - $579,743

- **Neurodevelopment of Methamphetamine Exposure of Children**
  - Donald C Derauf
  - Department of Pediatrics
  - The mentored patient oriented research career development award will allow Dr. Derauf protected time and
Gifts, Grants, and Contracts for November 2008

Research

DHHS-Dept of Health and Human Services

support to develop the expertise needed to transition his career from one primarily focused on clinical service, teaching and administration to one focused on independent research and clinical program development.

National Institutes of Health/DHHS $768,629
Enhancement of Research Infrastructure at UH Hilo (RIMI)
Rose Tseng Chancellor, University of Hawaii at Hilo-UHH

DOD-Department of Defense

DOD-Advanced Research Project Agency $27
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-Center for Excellence - DMHA $69,948
Disaster Management Graduate Certificate Course - Responsive Quotation
Karl E Kim Department of Urban and Regional Planning
To work on disaster management certificate program to include migration of the International Committee of the Red Cross Health Emergencies in Large Populations (HELP) course curriculum into the university academic offerings.

DOD-US Army Medical Research & Material Command -$33
Bioterrorism Preparedness Infectious Disease
Lawrence P A Burgess John A. Burns School of Medicine

Department of the Air Force $29,116
Operations and Management of the Maui High Performance Computing Center
David K Lassner Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.

Department of the Air Force $31,694
Operations and Management of the Maui High Performance Computing Center
David K Lassner Information Technology Services
Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center.
Gifts, Grants, and Contracts for November 2008

Research

DOD-Department of Defense

Office of Naval Research

Enhanced Tactical Fuel Design: Fundamental Combustion Studies of Boron Nanoparticle Multi-component Fuel
(University of Hawaii Component)
Stephen M Masutani  Hawaii Natural Energy Institute
Investigation of the combustion characteristics of a slurry comprising a mixture of a liquid fuel and coated boron nanoparticles to enhance energy content.

DOE-Dept of Energy

Department of Energy

Hydrogen Fuel Contaminant Studies for PEM Fuel Cells
Richard E Rocheleau  Hawaii Natural Energy Institute
Testing and analysis to characterize the effect of low level contaminants on PEM fuel cells.

Foreign

Bio-ON

PHA Bioplastics Production from Sugar Manufacturing Residues
Jian Yu  Hawaii Natural Energy Institute
Design of a pre-industrial scale pilot-plant for technology commercialization including optimization of process conditions

Japan Ecologia Co.Ltd

Antifouling testing of new coatings
Michael G Hadfield  Pacific Biosciences Research Center
Analysis of coated slides provided by Japan Ecologia to determine the percent of Hydroides elegans larvae that settle on the slide; conduct experiments to determine forces necessary to dislodged the settled worms

Hawaii- Business and Other

BioEco Tek - Hawaii

Research Pathways for Microalgal Processing
Michael J Cooney  Hawaii Natural Energy Institute
Develop energy, water and cost affordable technologies to process microalgal biomass into renewable fuels

HR Biopetroleum

Pre-Screening of Algal Strains for Optimal Biomass and Lipid Potential: Selection of Viable Candidates for High-Throughput Screening
Zackary I Johnson  Department of Oceanography
Review and selection of candidate species of algal strains with the greatest potential for high biomass and lipid production

HR Biopetroleum

High-Throughput Screening (HTS) of Algal Strains for Optimal Biomass and Lipid Production
Zackary I Johnson  Department of Oceanography
High-throughput screening of preselected algal strains for commercial lipid production

$85,500
$220,000
$389,161
$3,030
$50,000
$73,170
$1,441,104
Gifts, Grants, and Contracts for November 2008

Research

Hawaii- Business and Other

HR Biopetroleum
Biochemical Characterization of Marine Microalgae for Optimal Biomass and Lipid Production
Robert R Bidigare Hawaii Institute of Marine Biology
Isolation and identification of novel microalgae aimed at enhancing lipid content

Hawaii Agriculture Research Center
Proteomics Study of Tropical Plants
Qingxiao Li Department of Molecular Biosciences and Bioengineering
Identify proteins involved in the resistant interaction of the most tolerant papaya cultivar, Kamiya, to its major root-rot pathogen.

Hawaii Farm Bureau Federation
Development of a Comprehensive Approach to Hawaii’s Farm-Level Food Safety Risk Assessments
James R Hollyer Department of Plant and Environmental Protection Sciences
Develop new farm-level food safety protocols to help farmers quickly and cost-effectively, determine levels of risk and critical food safety compliance needs.

Neurobehavioral Research Inc
Design and Development of Image Processing and Analysis Algorithms
David Yun Department of Electrical Engineering
Design and development of image processing and analysis of unique algorithms

Referentia Systems Inc
Synthetic Training Environments with Culturally-informed Agents Coatings
Sunki Chai Department of Sociology
Develop a computational implementation of a cross-cultural communication model and interface that model with a proprietary cognitive representation system

TREX Hawaii LLC
Modeling and Simulation of an Ocean Wave Energy Extraction Device for Sensor Applications
R Cengiz C Ertekin Department of Ocean and Resources Engineering
An Ocean Wave Energy Extraction Device designed to produce energy needed for ocean sensor applications will be modeled and analyzed to determine its technical feasibility.

TeraSys Technologies LLC
Millimeter-Wave Retrodirective Antenna Array for Transportable Robotics Systems
Wayne Akira Shiroma Department of Electrical Engineering
Develop antenna technology for robotic systems

Hawaii- Government Agencies

County of Hawaii
Reclaiming Hawaii’s Avocado Market through Branding of Hawaii County Grown Avocados
Catherine Chan-Halbrendt Department of Natural Resources and Environmental Management
Creating labels to brand Avocados as “Hawaii Grown”. Conducting consumer surveys and in store sales tests to determine effectiveness of labeling.
Gifts, Grants, and Contracts for November 2008

Research

Hawaii- Government Agencies

Hawaii Invasive Species Council
An Early Detection System for Invasive Species: Development and Proof-of-Concept of a Taxonomic Microarray
Robert J Toonen Hawaii Institute of Marine Biology
Proof-of-concept on developing a taxonomic DNA chip for the early detection of invasive species entering Hawaii via maritime vessel traffic.

Hawaii Invasive Species Council
Evaluating Impact of Puccinia Psidii Rust Strains on Ohi`a
Janice Y Uchida Department of Plant and Environmental Protection Sciences
Collect rust samples from various host plants in the Myrtaceae family. Conduct molecular analysis of samples to determine the number of species present in the Hawaii population.

Hawaii-Dept of Health
ADAD Statewide School Complex Treatment Evaluation
Deborah A Goebert Department of Psychiatry
Conduct a statewide school complex treatment evaluation for the Department of Health, Alcohol and Drug Abuse Division.

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ADAD Statewide School Complex Treatment Evaluation
Deborah A Goebert Department of Psychiatry
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Hawaii-Dept of Land & Natural Resources
Coastal Lands Data Program
Charles H Fletcher Department of Geology and Geophysics
Provide for development, management and dissemination of coastal data and research products for the DLNR Office of Conservation and Coastal lands as outlined in the memorandum of agreement to help it in its efforts to protect and conserve beaches and dunes for present and future generations.

Hawaii-Dept of Land & Natural Resources
Database: Pacific Weed Risk Assessment
Sharon Ziegler-Chong Pacific Aquaculture-UHH

Hawaii-Dept of Land & Natural Resources
Kauai Endangered Seabird Conservation Research and Management
David C Duffy Department of Botany
Conduct research on the populations of endangered Kauai seabirds and make recommendations for conservation strategies.

$69,728
$36,049
-$41,416
$41,416
$109,811
$100,000
$16,000
$270,385
Gifts, Grants, and Contracts for November 2008

Research

Hawaii- Government Agencies

Hawaii-Dept of Land & Natural Resources $9,531
Threatened & Endangered Species Recovery: Kauai; 2008 Supplement
David C Duffy Department of Botany
Conduct applied field research to promote recovery of Kauai's threatened and endangered species.

Hawaii-Dept of Land & Natural Resources $493,076
Detection and Control of Invasive Species on the Island of Hawaii
David C Duffy Department of Botany
Continue Big Island Invasive Species Committee's efforts to contain damaging invasive species on the Big Island.

Hawaii-Dept of Land & Natural Resources $75,000
Maui Invasive Species Committee: Coqui Frogs: Overcoming Site Limitations
David C Duffy Department of Botany
Conduct citric acid sprays on 10 coqui frog-infested test sites in the Maliko Gulch on Maui, and measure changes to frog population density.

Hawaii-Dept of Land & Natural Resources $9,495
Technical Support for Miconia Studies
David C Duffy Department of Botany
Conduct comparative research Miconia's collateral effects on the environment in Tahiti and Hawaii.

Hawaii-Dept of Land & Natural Resources $348,106
Protection of Core Watershed Forests of Southern Haleakala
Clifford W Morden Department of Botany
Conduct restoration and management-based research in the watershed forests on Southern Haleakala.

Hawaii-Dept of Land & Natural Resources $50,000
Detection and Control of Invasive Species in Wao Kele o Puna on the Island of Hawaii
David C Duffy Department of Botany
Survey and control invasive species in the forest reserve of Wao Kele o Puna on the island of Hawaii.

Hawaii-Dept of Transportation $24,237
Five Year Monitoring of Corrosion Field Specimens
Ian N Robertson Department of Civil and Environmental Engineering
This project involves monitoring the performance of reinforcing steel in concrete panels exposed to marine environments. Various corrosion inhibiting measures will be evaluated.

Hawaii- Health Organizations

Kuakini Medical Cntr $75,389
Kuakini Medical Center Subaward for Research Grant: Epidemiology of Brain Aging in the Very Old, NIH Grant No: 2UCA3019349-06A1
Elizabeth K Tam Department of Medicine
Dr. McMurtry will be performing neurological examinations of cohort members on the "Epidemiology of Brain Aging in the Very Old" Project.
Gifts, Grants, and Contracts for November 2008

Research

Hawaii- Health Organizations

Univ. Clinical, Education & Research Assoc. (UCERA) $77,358
   UCERA - Hoana Medical
   Lawrence P A Burgess John A. Burns School of Medicine
   Provide general support for evaluation and development of research and development activities for Hoana Medical, Inc.

Univ. Clinical, Education & Research Assoc. (UCERA) $4,195
   UCERA-BIOSEN 2 (Patterns of Psychophysiologic Response in Technology-Enabled Learning and Intervention Systems)
   Lawrence P A Burgess John A. Burns School of Medicine
   Onsite supervision; Responsible for assisting subject recruitment; Provide consultation on stress and post traumatic stress disorder (PTSD) during the data analysis stage of the research; General support for the development and implementation of the research project.

Univ. Clinical, Education & Research Assoc. (UCERA) $73,405
   UCERA-SimCenter 2 (SimCenter Hawaii: Virtual Reality Applications for Health Care Education and Training)
   Benjamin W Berg John A. Burns School of Medicine
   Support for virtual reality development, application, and measurement.

Waianae Coast Comprehensive Health Center $20,000
   Program Evaluations - Waianae Coast Comprehensive Health Care Center
   Hamilton I. McCubbin School of Social Work
   Conduct evaluation (qualitative and quantitative ) of the impact of the Waianae community health program in Waianae, Hawaii.

Hawaii- Non-Profit Organizations

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

Hawai‘i Community Foundation $49,330
   Novel Genetic Predisposing Factor for Skin Ulcer
   Katalin Csizsar Department of Complementary and Alternative Medicine
   The proposal will investigate a new model for skin ulcers with mutation in the MPZL3 gene and human mutations in this gene associated with diabetic ulcer development.

Univ of Hawaii Foundation $5,000
   The Primal Quest
   Louis G Herman Chancellor, University of Hawaii at West Oahu
   Salary of lecturer replacement for Louis Herman to continue work on his Primal Quest book, manuscript, and multimedia project. Money received from Doran Foundation.
Gifts, Grants, and Contracts for November 2008

Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation
Collaborative Software Development Laboratory Fund
Philip M Johnson Department of Information and Computer Sciences
Perform research on automated software engineering process and product collection, analysis, interpretation, and dissemination using the Hackystat Framework.

Univ of Hawaii Foundation
W.M. Keck Research Center in Astrochemistry at UHM
Ralf Ingo Kaiser Department of Chemistry
To set up a laboratory in astrochemistry.

Univ of Hawaii Foundation
Japanese Language Socialization in Homestay Context
Haruko Minegishi Cook Department of East Asian Languages and Literatures
Transcriptions of video-recorded conservations between learners of Japanese and their host families.

Mainland- Business and Other

Algenol Biofuels, Inc.
Collaborative Services Plan: Cyanobacteria for Commercial Ethanol Production
Charles O'Kelly Department of Botany
Screen the 2000-plus cyanobacteria collection of the Hawaii Microbial Culture Center for (a) strains that are promising for use in ethanol production, and (b) strains with physiological characteristics that may enhance the productivity of strains used in commercial ethanol production

Allergan Inc
Biophysical Studies on Botulinum Neurotoxinn based on Fluorescene Correlation Spectroscopy
David M Jameson Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
Biophysical characterization of the botulinum toxin protein using advanced fluorescence methods

American Biodiesel
Efficient Processing of Algal Bio-oils for Biodiesel Production
Michael J Cooney Department of Ocean and Resources Engineering
Evaluation of new processes to produce biodiesel from microalgal lipids to determine an energy-efficient processmicroalgae grown on sugar waste

Cellana LLC
Pre-Screening of Algal Strains for Optimal Biomass and Lipid Potential:Selection of Viable Candidates for High-Throughput Screening
Zackary I Johnson Department of Oceanography
Review and selection of candidate species of algal strains with the greatest potential for high biomass and lipid production
Gifts, Grants, and Contracts for November 2008

Research

Mainland- Business and Other

Cellana LLC
High Throughput Screening (HTS) of Algal Strains for Optimal Biomass and Lipid Production
Zackary I Johnson Department of Oceanography
High Throughput Screening of preselected algal strains for commercial lipid production

Cellana LLC
Biochemical Characterization of Marine Microalgae for Optimal Biomass and Lipid Production
Robert R Bidigare Hawaii Institute of Marine Biology
Isolation and identification of novel microalgae aimed at enhancing lipid content

Dow AgroSciences
Evaluation of Subterranean Termite Behavior and Control
Jack Kenneth Grace Department of Plant and Environmental Protection Sciences
Evaluation of behaviorally-based methods of subterranean termite control

Eli Lilly & Co
A Randomized Trial Comparing Exenatide with Placebo in Subjects with Type 2 Diabetes on Insulin Glargine w/or Without oral Antihyperglycemic Medication
Richard F Arakaki Department of Medicine
Eli Lilly H80-US-GWCO: The purpose of this study is to help determine whether the drug exenatide, when added to a treatment regimen of insulin glargine (alone or in combination w/metformin and/or pioglitazone), will improve blood sugar levels in patients with type 2 diabetes.

Expert Microsystems Inc
Prognostic Battery Remaining Life Model
Bor Yann Liaw Hawaii Natural Energy Institute
Development of a prognostic battery remaining life model for autonomic logistics in distributed information systems

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

Health Research, Inc
Chemical Markers of Heterocyclic Aromatic Amines for Human Biomonitoring
Loïc Le Marchand Cancer Research Center
Establish noninvasive chemical markers of heterocyclic aromatic amines (HAAs) to allow for an assessment of long-term HAA exposure through the diet to determine cancer risk.

Indigo Seafood
Infrauna of Subtidal Sands off the Kona Coast, Hawaii
Julie H Bailey-Brock Department of Zoology
Provide an analysis of the sand-dwelling fauna at a location being considered for cage aquaculture
Gifts, Grants, and Contracts for November 2008

Research

Mainland- Business and Other

**Lightspin Technologies**

*Time Resolved Spectrometer FPA Readout*

Gary S Varner
Department of Physics and Astronomy
Design and characterize CMOS ASIC and supporting interface electronics

**Malin Space Science Systems**

*University of Hawai`i Participation in: MAHLI - MArs HandLens Imager for the Mars Science Laboratory*

Scott K Rowland
Hawaii Institute of Geophysics and Planetology
This is the University of Hawai`i portion of a multi-institution proposal. The project will build, test, and operate on Mars, a camera for producing close-up images of rocks. These close-up images will allow the team to identify the rock types, and from this, be able to understand some of the geologic processes that have taken place on Mars.

**Nature Conservancy**

*Direct ULV herbicide applications for controlling Australian Tree Fern in native watersheds on the island of Kauai*

James Leary
College of Tropical Agriculture and Human Resources
Determine chemical combinations effective in controlling Australian Tree Fern minimal environmental impact to the surrounding environment

**Novartis Pharmaceuticals Corp**

*Novartis Pharmaceuticals Corporation CLAF237A23138E1 - 'A 28-Week Extension to a 24-Week Multi-Center, Randomized, Double-Blind, Active-Controlled'*

Richard F Arakaki
Department of Medicine
This study will determine the safety and efficacy of the study drug, vildagliptin, in patients with type 2 diabetes and severe kidney damage.

**Rockwell Scientific Company LLC**

*Repeat Testing of Banded Arrays*

Donald N Hall
Institute for Astronomy
Performance testing of banded arrays for use with the James Webb Space Telescope project.

**Space Telescope Science Institute**

*Comprehensive Theoretical UV-optical Diagnostics for STIS and COS*

Lisa J Kewley
Institute for Astronomy
We propose to exploit the recent major advances in theoretical stellar atmospheres, stellar population synthesis, and photoionization models to create the first consistent theoretical suite of UV-optical emission and absorption diagnostics.

**Williamson and Associates, Inc**

*Trans-Pacific Mapping of the Great Circle Route*

Margaret H Edwards
Hawaii Institute of Geophysics and Planetology
MR1 mapping of the deep ocean sea floor across the Northern Pacific Ocean for general reconnaissance.
Gifts, Grants, and Contracts for November 2008

Research

Mainland- Health Organizations

Women & Infants Hospital of Rhode Island  
**Prenatal Methamphetamine Exposure and School Aged Outcome (IDEAL II)**  
Donald C Derauf  
Department of Pediatrics  
The major goal of this project is to study the effects of prenatal methamphetamine exposure on child outcomes.

Mainland- Non-Profit Organizations

Kellogg (W. K.) Foundation  
**KLCC Longitudinal Evaluation**  
Maenette KP Benham  
Hawai‘inuikea School of Hawaiian Knowledge  
The Kellogg Leadership for Community Change series provides a unique opportunity to assess how a group leadership development experience can contribute to improving conditions in communities.

National Urban and Community Forestry Advisory Council  
**Beyond the Tropical and the Quaint: People’s Psychophysiological Responses to the Urban Forest**  
Andrew J Kaufman  
College of Tropical Agriculture and Human Resources  
This project's purpose is to increase our understanding of the psychological benefits of trees using psychophysiological measures to reveal positive and negative relationships between people and the urban forest. Results will be targeted for educational programs, and assisting policy makers and developers attitudes about the importance of the urban forest.

National Aeronautics and Space Administration

National Aeronautics & Space Administration  
**Investing Midlatitude Ocean and Climate Dynamics using Satellite Altimetry and Modeling Analysis**  
Bo Qiu  
Department of Oceanography  
Characterize and understand the nature and causes of the large-scale fluctuations in the midlatitude North and South Pacific Oceans on time scales from interannual to decadal.

National Aeronautics & Space Administration  
**Dynamics of Anisotropic Mean and Time-varying Structures of Ocean Circulation**  
Nikolai A Maximenko  
Department of Oceanography  
Satellite data, in situ observations, and outputs of advanced numerical models will be used jointly to study the dynamics of anisotropic mesoscale stationary and propagating jet-like structures recently discovered in the upper ocean.

National Aeronautics & Space Administration  
**Origin and Evolution of the Solar System Through the Study of Extraterrestrial Materials**  
Klaus Keil  
Hawaii Institute of Geophysics and Planetology  
Study of extraterrestrial materials such as meteorites from asteroids, Moon and Mars and returned lunar samples to understand the history of solid materials in the first few million years of Solar System history, and the formation of planetesimals, asteroids and planets.

National Aeronautics & Space Administration  
**Using the Near-Sun Neutral Helium to Probe the Corona**  
Elena Moise  
Institute for Astronomy  
Cool neutral Helium (He I) is being observed near the Sun. Sensitive IR spectropolarimetry data using an off-axis
Gifts, Grants, and Contracts for November 2008

Research

National Aeronautics and Space Administration

reflecting coronograph (SOLARC) from Haleakala reveal scattered photospheric light at 1083nm from HE I far above the solar limb. This project will support extended analysis and interpretation of this transient coronal constituent.

National Aeronautics & Space Administration
ANITA: Antarctic Impulsive Transient Antenna
Peter W Gorham, Department of Physics and Astronomy
To fly a long duration balloon mission to address the question of the nature and origin of the highest energy cosmic rays, and the ultimate limits of energy in the universe.

National Science Foundation

National Science Foundation
CAREER: Crystallization Kinetics in Volcanology
Julia Eve Hammer, Department of Geology and Geophysics
Experimental study of crystal nucleation, growth, and textural evolution in silicate magma.

National Science Foundation
Collaborative Research: Hawaiian Plume Heterogeneity Revealed by Kilauea's Ongoing Eruption, Prehistoric Lavas and Olivine-hosted Melt Inclusions
Michael O Garcia, Department of Geology and Geophysics
To analyze historical lavas from Kilauea volcano to evaluate the heterogeneity and melting processes in the Hawaiian plume.

National Science Foundation
Graduate Research Fellowship Program
Rose Tseng, Chancellor, University of Hawaii at Hilo-UHH

National Science Foundation
NSWP: Tomographic Reconstruction of the 3-D Coronal Magnetic Field from Space- and Ground-Based Intensity and Polarimetry Data
Haosheng Lin, Institute for Astronomy
A direct observational study of the 3-D magnetic field structure of the solar corona with the development of scalar and vector tomography tools for the reconstruction of the 3-D coronal magnetic field structure.

National Science Foundation
CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the University of Hawaii
Ilia I Roussev, Institute for Astronomy
Gifts, Grants, and Contracts for November 2008

Research

National Science Foundation

National Science Foundation $47,800
Collaborative Research: Eclipse Observations of Heavy Ions, Neutrals and Dust Grains in the Solar Corona
Shadia R Habbal Institute for Astronomy
Observations of the total solar eclipses in 2008, 2009, and 2010 will study the coronal magnetic field and the underlying physical processes shaping the solar corona. The resulting data should provide powerful diagnostic tools for the exploring the physics of the corona and the acceleration region of the solar wind.

National Science Foundation $232,673
CAREER: Bridging Modern Computational Capabilities and Observations of Solar Magnetic Fields with Expanding Solar Physics Education at the University of Hawaii
Ilia I Roussev Institute for Astronomy
We propose to combine recent theories and modern computational capabilities with advanced magnetic observations at the Sun's visible surface to improve present knowledge of coronal magnetic fields in coordination with existing observational solar research.

US Colleges and Universities

Hawaii Pacific University $45,400
Ecological Factors and Drug Use of Native Hawaiian Youth
Susana Helm Department of Psychiatry
Examine the ecological risk and protective factors relevant to youth of Hawaiian ancestry in Hawaii.

Johns Hopkins University $27,587
Modifying the Food Environment to Prevent Obesity Among Low Income Urban African American Children by Working in Food Stores, Schools and Community
Sangita Sharma Cancer Research Center
To develop, implement and evaluate a food and store based intervention program aimed to improve food consumption and reduce risk of obesity in African American children.

Johns Hopkins University $32,225
Sustaining and Scaling Up a Successful Food-Store Based Program to Improve Diet and Reduce Risk for Obesity and Other Chronic Disease in Amer. Indians
Sangita Sharma Cancer Research Center
Develop and analyze a food frequency questionnaire to assess food and nutrient intake for the Navajo and Apache tribes in Arizona.

Northeastern University $60,608
Endocannabinoid Active Sites as Therapeutic Targets
Marcus A Tius Department of Chemistry
Preparation through chemical synthesis of a series of organic small molecules to use as probes for biological function.

University of Arizona $82,025
Vegetation Phenology and Vegetation Index Products from Multiple Missions and Satellite Sensors
Tomoaki Miura Department of Natural Resources and Environmental Management
Characterize the potential impacts of spectral bandpass differences across multi-sensors (AVHRR, MODIS, and VEGETATION) on the derived phenology and EVI/EVI-2 products, and derive spectral transformation equations accompanied with associated uncertainties. Assemble and stage 1 km daily MODIS data and limited sets of daily
Gifts, Grants, and Contracts for November 2008

Research

US Colleges and Universities

University of California, Irvine
Immunodominance in Dengue-Specific T Cell Responses
Allison Imrie Office of Public Health Studies
We aim to understand mechanisms determining memory and recall responses in secondary dengue virus infection. These findings are directly applicable to dengue vaccine design that may improve safety by avoiding potential cross-reactivity in T cell responses.

University of California, Santa Cruz
Partnership for Interdisciplinary Studies of the Coastal Ocean (PISCO)
Margaret Anne McManus Department of Oceanography
The object of this activity is to bring specialists together across disciplines; analyze subtidal, intertidal, and oceanographic findings collectively; and develop a more synthetic view of the processes that occur in coastal waters. Our ultimate aim is to move toward a capability for forecasting the effects of climate change on the ecology of coastal waters.

University of Georgia
Functional Genomics of Maize Centromeres
Gernot G E Presting Department of Molecular Biosciences and Bioengineering
Chromosome movement during cell division is controlled by the centromere. The proper segregation of chromosomes into the two daughter cells during cell division is required for survival, making the centromere an extremely important chromosomal region. The DNA and protein components of corn centromeres will be studied with the intent of identifying the critical components for making an artificial chromosome.

University of Southern California
Characterizing Genetic Susceptibility to Breast and Prostate Cancer: the BPC3
Loic Le Marchand Cancer Research Center
The major goal of this project, which is part of the "Cohort Consortium," is to allow for large-scale analyses of breast and prostate cancer risk in relation to genetic polymorphisms and gene-environment interactions that affect hormone metabolism.

University of Vermont
Sex Chromosomes in Fetal Programming of Susceptibility to EAE
Monika Anna Ward Dept Anatomy, Biochemistry, Physiology and Reproductive Biol
The objective of this collaborative project is to define how the organizational masculinization of experimental allergic encephalomyelitis (EAE) in female mice by action of the Y chromosome-encoded susceptibility locus (Yeae) is achieved during gestation, and to identify the mechanism of action of Yeae that is mechanistically most relevant to multiple sclerosis (MS).

Utah State University
Enhancing Phyto-nutrient Content, Yield and Quality of Vegetables with Compost Tea in the Tropics
Theodore J. Radovich Department of Tropical Plant and Soil Sciences
This project includes research and educational activities to improve the efficacy of compost tea and increase the role of renewable resources in Hawaii agriculture.
Gifts, Grants, and Contracts for November 2008

Research

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Non-Research

DA-Dept of Agriculture

- Department of Agriculture
  - 4-H Navy Youth Development Partnership Project
    - Carol S Ikeda
    - Department of Family and Consumer Sciences
    To establish 4-H clubs and projects for Navy children and youth on and away from installations by providing Navy Child and Youth Program staff with the tools needed to organize 4-H clubs/programs.

DHHS-Dept of Health and Human Services

- Department of Health & Human Services
  - JOB'S MED: Hire Abilities - Hawaii
    - Robert A Stodden
    - Center on Disability Studies
    Conduct study of employment supports health-care coverage delivered by DHHS, Vocational Rehabilitation. Project will build an analysis on creative industries & cultural tourism to expand career opportunities.

- Health Resources and Services Administration/DHHS
  - Pacific Island Geriatric Education Center
    - Patricia Blanchette
    - Department of Geriatric Medicine
    Health care professionals training in Geriatrics.

- National Heart, Lung, and Blood Institute/NIH/DHHS
  - Cardiovascular Autonomic Function in HIV Virologic Failure
    - Dominic Cheung Chow
    - Pacific Biosciences Research Center
    To determine the autonomic function of HIV-infected individuals with viremia compared with HIV-infected individuals with virologic suppression.

- National Institute of Mental Health/NIH/DHHS
  - Outreach Partnership Program
    - Alexander M Wylie
    - Social Science Research Institute
    To be the state-wide representative for the NIMH outreach partner activities. Promote mental health awareness.

- National Institutes of Health/DHHS
  - 2008 National Nutrient Databank Conference Proceedings
    - Suzanne P. Murphy
    - Cancer Research Center
    Publication of the proceedings of the 32nd National Nutrient Databank Conference held in Ottawa, Canada on May 13-14, 2008.

- National Institutes of Health/DHHS
  - Model State-Supported Area Health Education Center
    - Kelley Marie Withy
    - Department of Complementary and Alternative Medicine
    Improve diversity, distribution, and quality of the health professions workforce.
Gifts, Grants, and Contracts for November 2008

Non-Research

**DOD-Department of Defense**

DOD-Army National Guard  
$25,000

**Team PLUS: Hawaii Enforcement Underage Drinking Laws (EUDL)**  
Cheryl L. Albright  
Cancer Research Center  
Conduct a survey to determine the rate of alcohol sales to underage youth who order alcohol in on-premise liquor establishments on and around Hickam AFB.

DOD-Naval Research Laboratory  
$139,466

**Supplement to: R/V KILO MOANA Ship Operations and Technical Support Services**  
Brian Taylor  
School of Ocean and Earth Science and Technology  
The present request is for funds to overhaul the #4 Main Engine.

Office of Naval Research  
$39,000

**Aha Hulikoa Workshop Series**  
Peter Muller  
Department of Oceanography  
Proposal is for funding the 15th ‘Aha Hulikoa Hawaiian Winter Workshop, to be held in January of 2007, at the East West Center Asia Room.

**DOI-Dept of Interior**

U.S. Geological Survey/Department of the Interior  
$43,946

**Biodiversity Research Program**  
Clyde M Sakamoto  
Chancellor, Maui Community College  
This cooperative agreement will allow USGS to co-locate at Maui Community College and involve students, faculty and staff to participate in biodiversity research and fieldwork including the modeling of spatial data.

**ED-Dept of Education**

ED-Dept of Education  
$132,438

**Improving Student Success, Transition and Retention**  
Peggy T Cha  
Chancellor, Kauai Community College  
The purpose of this grant is to strengthen the retention, graduation and success rates for the under-prepared student population at Kauai Community College by implementing a campus-wide College Success program which is modeled on the already successful case management pilot program and the EPSCoR funded Academy for Future Nurses.

ED-Dept of Education  
$77,491

**Hawaii Project for Children and Young Adults who are Deaf-Blind**  
Kelly D Roberts  
Center on Disability Studies  
Provide Technical Assistance and Training to service providers, families, and youth in the state of Hawaii - associated with Deaf-Blindness.

ED-Dept of Education  
$405,463

**Improve Success of Pacific Islander**  
Luoluo Hong  
Vice Chancellor for Student Affairs-UHH
Gifts, Grants, and Contracts for November 2008

Non-Research

ED-Dept of Education

ED-Dept of Education
Upward Bound Rural Program
Leonard Woods
Vice Chancellor for Student Affairs-UHH
Matriculation of high school seniors from selected high schools to enter post secondary institutions

ED-Dept of Education
Creating Purposeful and Sustainable Pathways in Student Services, Professional Development, and 21st Century Career Programs for Improved Student
Leon Richards
Chancellor, Kapiolani Community College
Kapiolani Community College's goal in this Title III undertaking is to create three learning support pathways across the First-Year and Second-Year Experience, and into transforming marketplace, to support greater academic and career achievements for Native Hawaiian and other pathways students.

Federal Agencies

Department of Justice
Hawaii Innocence Project
Aviam Soifer
William Richardson School of Law
Provide legal assistance, free of charge, to prisoners who have credible claim of actual innocence of the crime(s) for which they are imprisoned.

General Services Administration
University of Hawaii Participation in PEPFAR HIV/AIDS/STI Peer Education Program for the Vietnamese Military
Cathy Nguyen
Department of Medicine
To support and scale up HIV/AIDS/STI prevention and peer education activities targeting the Vietnamese military.

General Services Administration
University of Hawaii Participation in PEPFAR Prevention and System Strengthening Programs, for Vietnamese Military
Cathy Nguyen
Department of Medicine
To support peer-based prevention activities targeting the Vietnamese military, and to foster an environment for progressive HIV/AIDS policies within the Vietnamese military.

Peace Corps
Collaboration for Peace Corps Recruiting Activities at the University of Hawaii Campuses
Rosemary Casey
College of Education
Provide continuous local recruitment activities to students/faculty/staff at the UH's 10 campuses with the goal of increasing the number of applications sent to the U.S. Peace Corps San Francisco Regional Office from UH and by Hawaii residents.
Gifts, Grants, and Contracts for November 2008

Non-Research

Foreign

Endangered Language Documentation Programme

Documentation of Inati, and Endangered Negrito Language of the Central Philippines
Kenneth L Rehg
College of Languages, Linguistics, and Literature

This project aims to create archive-quality audio and video recordings of Inati, an endangered Negrito language on Panay Island in the Philippines. Audio and video data will be recorded, transcribed, glossed, and translated for further analytical use. Survey work will also be done to identical dialect variation within Inati.

Subaru Telescope

HiCIAO Performance Evaluation with AO
Klaus W Hodapp
Institute for Astronomy

Fabricate interface module, install the interface in preparation of observing with the new instrumentation and evaluation of the performance of the instrumentation.

The German Institute for Geosciences & Natural Resources

$1,553,293

RV Kilo Moana MANGAN 2009 Cruise

Brian Taylor
School of Ocean and Earth Science and Technology

Support for vessel operations on a 36-day research cruise on R/V Kilo Moana for German Federal Institute of Geosciences & Natural Resources.

Hawaii- Business and Other

Alu Like

Oihana, Native Hawaiian Career & Technical Education Project

Earl K Nishiguchi
Chancellor, Kauai Community College

The project will provide students internship opportunities and course work.

Alu Like

Native Hawaiian Digital Arts Project

Violet S Murakami
Chancellor, Hawaii Community College

The project proposes to teach digital arts courses to Native Hawaiian students for the recruitment, retention and completion of Native Hawaiian students into the DMA program at Hawaii CC.

Alu Like

Alu Like FY2009, Nnative Hawaiian Career and Technical Education, Kulia Ma Kapioali Project (Year 2)

Mona Lee
Chancellor, Kapiolani Community College

Offer a suite of culturally-based services to students that recruit, enroll, and support academic completion of career and technical education degrees and certificates. Partner with Castle High Schools Health Career Academy Project to create a clearly defined pathway from high school to college and to related employment in the career pathway.

Hawaii Farm Bureau Federation

$17,600

2008 Hawaii Tea Educational Outreach Program

Stuart T Nakamoto
College of Tropical Agriculture and Human Resources

To conduct extension-outreach for Hawaii Tea Program.
Gifts, Grants, and Contracts for November 2008

Non-Research

Hawaii- Business and Other

Hawaiian Electric Co Inc  
Oahu Electrical System Analysis  
Richard E Rocheleau  School of Architecture  
Collect data and perform preliminary analysis of the suitability of this data for future model (MAPS and PSLF models) development of the Oahu Electric Company (HECO) grid. These models will provide valuable insights.

Hawaii- Government Agencies

County of Hawaii  $10,000

Imiloa Marketing Program 2008-2009  
Rose Tseng  Chancellor, University of Hawaii at Hilo-UHH  
Expand Imiloa's marketing capabilities and to build its base for tourists

Development and Training of a Local Team for Rapid Response of Events of Coral Bleaching or Disease on the Reefs of Hawaii  $37,500

Greta S Aeby  Hawaii Institute of Marine Biology  
The goal of the project is to assemble, train and equip a local team for rapid response for events of coral bleaching or disease in Hawaii. A response team is needed to provide assessments regarding the extent and impact of events and recommendations for mitigation.

Imiloa Marketing Program 2008-2009  $370,000

Development and Training of a Local Team for Rapid Response of Events of Coral Bleaching or Disease on the Reefs of Hawaii  
Greta S Aeby  Hawaii Institute of Marine Biology  
The goal of the project is to assemble, train and equip a local team for rapid response for events of coral bleaching or disease in Hawaii. A response team is needed to provide assessments regarding the extent and impact of events and recommendations for mitigation.

DLNR-Division of Aquatic Resources  
IYOR Maui Event: Invasion of the Reef Snatchers  $536

Michael P Hannett  Social Science Research Institute  
HCRI will be hosting a family outreach event at the Kaahumanu Shopping Center on Maui. The theme is invasion of the Reef Snatchers. The public will learn about Maui's special near shore ecosystems, things affecting the waters, and what they can do to become good stewards of the land and sea.

Providing Certified Speech Pathologist Professionals for the DOE  $750,000

Dorothy Craven  Division of Speech Pathology and Audiology  
To expand the capacity of the Speech Pathology and Audiology program to provide appropriately educated and trained speech-language pathologists in Hawaii's schools.

P-20 Initiative Memorandum of Agreement with Hawaii Department of Education  $185,120

Linda K Johnsrud  College of Education  
Facilitate, coordinate, implement and support the P-20 Strategic Plan through regional participation; marketing and communications; data analyses and technical assistance for schools to meet American Diploma Project-related activities; and operational and administrative support work.

UH Masters of Education in Teaching Program  $370,000

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.
Gifts, Grants, and Contracts for November 2008

Non-Research

Hawaii- Government Agencies

Hawaii-Dept of Education $25,000
An Evaluation of the Kahuku 21st Century Community Learning Centers Project in 2007-08
Terry Ann Higa Curriculum Research and Development Group
The evaluation will study the implementation of 21st Century project activities and outcomes. The data will include
student attendance demographics, staff questionnaires, teacher questionnaires about student academic behaviors, Language Arts and Mathematics course grades, and school-based pre-post test scores, School

Hawaii-Dept of Health $51,242
Kahuku-Laie Nutrition Education Project
Alethea Kuulei Serna Institute for Teacher Education
PI will conduct a needs assessment to plan and implement a culturally relevant nutrition education program or curriculum for Native Hawaiian and other Pacific Islander students and their families utilizing "garden to table" strategies at Laie Elementary School. Other ethnic populations will also be included.

Hawaii-Dept of Health $4,801
Independent Cleanup Pathway (ICP) for Contaminated Property in Hawaii
Dana K Sproat William Richardson School of Law
Develop statewide policy relating to the cleanup of contaminated property pursuant to the Hawaii Environmental Response Law (Chapter 128 D, HRS).

Hawaii-State Foundation on Culture & the Arts $101,410
SCEP Presenting & Touring Outreach
Timothy Roy Slaughter Outreach Community Programs
Presentation of cultural and artistic programs in communities statewide.

Hawaii- Health Organizations

Hawaii Medical Service Association $1,200
Eat Healthy Community Presentations
Sylvia H L Yuen Center on the Family
Center on the Family Hawaii Foods Website Coordinator will promote healthy eating and Hawaii Medical Service Association's Eat Healthy Campaign by providing healthy recipes from the Hawaii Foods Website www.hawaiifoods.hawaii.edu and a cooking demonstration of 1 to 2 recipes at 3 events - 2 on outer islands. 1 on Oahu.

Kuakini Medical Cntr $725,158
Reimbursement Agreement - FY2009, Agreement No. SF09-Kuakini-SURG
Danny M Takanishi Department of Surgery
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.

Queen Emma Clinic $181,220
Reimbursement Agreement - FY2009, Agreement No. SF09-QEC-PEDS
Raul C Rudoy Department of Pediatrics
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.
Gifts, Grants, and Contracts for November 2008

Non-Research

Hawaii- Health Organizations

Queen Emma Clinic  $359,794
Reimbursement Agreement - FY2009, Agreement No. SF09-QEC-MED
Elizabeth K Tam Department of Medicine
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.

Rehabilitation Hospital of the Pacific  -$3,356
Salary, Fringe Benefit & Malpractice Insurance Reimbursement Agreement - FY08, Agreement No. SF08-REHAB-MED
Elizabeth K Tam Department of Medicine
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY2008.

Univ. Clinical, Education & Research Assoc. (UCERA)  $4,243
UCERA - Hilo Medical Center
Benjamin W Berg John A. Burns School of Medicine
Implement technical, education, and research activities at the Hilo Medical Center's Simulation Center; provide project management and technical oversight for design and installation of a simulation based education center; provide on-site training.

Univ. Clinical, Education & Research Assoc. (UCERA)  $4,243
UCERA - UPMC Fort Sam
Benjamin W Berg John A. Burns School of Medicine
Provide consulting, analysis, and reporting support to the University of Pittsburgh Medical Center's medical simulation training integration research project.

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation  $55
Center of Excellence in Geriatrics
Patricia Blanchette Department of Geriatric Medicine
To attract additional outstanding faculty to academic careers in Geriatric medicine and to facilitate in their career development.

Univ of Hawaii Foundation  $55,219
Luce Foundation East Asian Archeology and Early History Initiative
Miriam T Stark Department of Anthropology
This agreement between University of Hawaii Foundation [via Luce Foundation] and University of Hawaii shall be initiated from UHF Account # 125-0030-4 to accommodate salary and fringe benefit expenses for University of Hawaii employee, Tianlong Jiao, whose job description is Assistant Professor (0.25% Asian Archeologist).

Univ of Hawaii Foundation  $1,500
International Auto/Biography Association 2008 Conference
Craig Howes College of Languages, Linguistics, and Literature
Gifts, Grants, and Contracts for November 2008

Non-Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation
  MANOA: A Pacific Journal of International Writing
  R F Stewart  Department of English
  Support for production editor’s position

Univ of Hawaii Foundation
  Kudo Chair of Law
  Aviam Soifer  William Richardson School of Law
  Faculty Salary and Fringe Benefits - Kudo Chair of Law.

Mainland- Business and Other

Freeman Foundation
  Asian Medical Exchange and Outreach Program
  Richard T Kasuya  John A. Burns School of Medicine
  Fostering development and innovation in medical schools in East Asia through exchange of faculty and students with training in medicine and educational methods.

Mainland- Non-Profit Organizations

Creative Interventions
  Program Evaluation of Creative Interventions, Oakland, CA
  Valli Kanuha  Department of Sociology
  Assist in design and implementation of program evaluation for community-based alternative domestic and sexual violence project in Oakland, CA.

Miscellaneous

Center for Tropical and Subtropical Aquaculture (CTSA)
  Pacific Regional Aquaculture Information Service for Education (PRAISE)-Yr 21
  Kristen L Anderson  Library
  Promote transfer of information within the Pacific aquaculture community including creating business and technical digitized collections, promoting communications, and ongoing information delivery services.

Subcount: 54  Subtotal: $11,211,783
Count: 153  Total: $28,990,381
Funds Received from UH Foundation for 11/01/2008 - 11/30/2008

Non-Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation $55
"Center of Excellence in Geriatrics"
Blanchette, Patricia Department of Geriatric Medicine
To attract additional outstanding faculty to academic careers in Geriatric medicine and to facilitate in their career development.

Univ of Hawaii Foundation $1,500
"International Auto/Biography Association 2008 Conference"
Howes, Craig College of Languages, Linguistics, and Literature

Univ of Hawaii Foundation $89,431
"Kudo Chair of Law"
Soifer, Aviam William Richardson School of Law
Faculty Salary and Fringe Benefits - Kudo Chair of Law.

Univ of Hawaii Foundation $55,219
"Luce Foundation East Asian Archeology and Early History Initiative"
Stark, Miriam T Department of Anthropology
This agreement between University of Hawaii Foundation [via Luce Foundation] and University of Hawaii shall be initiated from UHF Account # 125-0030-4 to accommodate salary and fringe benefit expenses for University of Hawaii employee, Tianlong Jiao, whose job description is Assistant Professor (0.25% Asian Archeologist).

Univ of Hawaii Foundation $20,000
"MANOA: A Pacific Journal of International Writing"
Stewart, R F Department of English
Support for production editor's position

Research

Hawaii- Non-Profit Organizations

Univ of Hawaii Foundation $4,370
"Japanese Language Socialization in Homestay Context"
Cook, Haruko Minegishi Department of East Asian Languages and Literatures
Transcriptions of video-recorded conservations between learners of Japanese and their host families.

Univ of Hawaii Foundation $5,000
"The Primal Quest"
Herman, Louis G Chancellor, University of Hawaii at West Oahu
Salary of lecturer replacement for Louis Herman to continue work on his Primal Quest book, manuscript, and multimedia project. Money received from Doran Foundation.
Funds Received from UH Foundation for 11/01/2008 - 11/30/2008

Research

Hawaii- Non-Profit Organizations

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<th>Organization</th>
<th>Amount</th>
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<td>Johnson, Philip M</td>
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<tr>
<td>Department of Information and Computer Sciences</td>
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<tr>
<td>Perform research on automated software engineering process and product collection, analysis, interpretation, and dissemination using the Hackystat Framework.</td>
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<tr>
<td></td>
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<tr>
<td>Univ of Hawaii Foundation</td>
<td>$112,000</td>
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<tr>
<td>&quot;W.M. Keck Research Center in Astrochemistry at UHM&quot;</td>
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<tr>
<td>Kaiser, Ralf Ingo</td>
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<tr>
<td>Department of Chemistry</td>
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<tr>
<td>To set up a laboratory in astrochemistry.</td>
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Count: 9                                           Total: $292,175
Extramural Research Awards
for the Month of November 2008
Distribution by Sponsors

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<thead>
<tr>
<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
<th>AMOUNT</th>
<th>PERCENT</th>
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<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>2</td>
<td>$268,103</td>
<td>1.51%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
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<td>$3,138,863</td>
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<tr>
<td>DOD-Department of Defense</td>
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<td>Hawaii- Non-Profit Organizations</td>
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<tr>
<td>National Science Foundation</td>
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<tr>
<td>US Colleges and Universities</td>
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<tr>
<td><strong>Total:</strong></td>
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Extramural Non-Research Awards
for the Month of
November 2008
Distribution by Sponsors

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<th>AGENCY-UNIT</th>
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<th>AMOUNT</th>
<th>PERCENT</th>
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<td><strong>Total:</strong></td>
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Extramural Research Awards
Year to Date: 07/01/08 - 11/30/08
Distribution by Sponsors

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<th>AGENCY-UNIT</th>
<th>NO. OF AWARDS</th>
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<td>US Colleges and Universities</td>
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<td><strong>Total:</strong></td>
<td><strong>575</strong></td>
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Extramural Non-Research Awards
Year to Date: 07/01/08 - 11/30/08
Distribution by Sponsors

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<th>AGENCY-UNIT</th>
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<td>DOI-Dept of Interior</td>
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<td>$1,238,758</td>
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<td>Federal Agencies</td>
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<td>Hawaii- Business and Other</td>
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<td>$3,029,254</td>
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<tr>
<td>Hawaii- Government Agencies</td>
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<td>$15,331,603</td>
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<td>Hawaii- Health Organizations</td>
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<td>Hawaii- Non-Profit Organizations</td>
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<td>Mainland- Business and Other</td>
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<tr>
<td>Mainland- Health Organizations</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
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<td>0.31%</td>
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<tr>
<td>Miscellaneous</td>
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<td>$34,500</td>
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<tr>
<td>National Aeronautics and Space Admin</td>
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<td>National Science Foundation</td>
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<td>Non-Profit Organizations</td>
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<td>$7,376</td>
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<tr>
<td>US Colleges and Universities</td>
<td>15</td>
<td>$1,658,378</td>
<td>1.91%</td>
</tr>
</tbody>
</table>

Total: 412 $86,985,357 100%
Consent Agenda for Indemnity Provisions
Attachment

1. Agreement between the University of Hawaii (UH) and the Joint Genome Institute at Lawrence Livermore National Laboratories (JGI)

Background Information: Dr. Grieg Steward, Oceanography, was selected for a competitive award of gene sequencing services from the Joint Genome Institute (JGI) at Lawrence Livermore National Laboratories (LLNL) to support his research into the diversity, structure and functioning of marine microbial ecosystems. The project in question involves collecting samples of marine viruses from the open ocean and extracting DNA from these samples using standard protocols. The techniques to be used at UH in this work have been approved by the UH Environmental Health and Safety Office (EHSO). The pure DNA extracted from the samples will be sent to the JGI’s sequencing facility where JGI will use standard protocols to produce clone libraries from the DNA samples by shearing the DNA into small pieces and inserting the fragments into a cloning vector, then replicating the vectors in E. coli using standard procedures, and sequencing the DNA. Generated sequences (essentially data) will be returned to UH for subsequent scientific analysis.

Indemnity Provisions In Research Agreement: In the research agreement, UH is required to indemnify and hold harmless JGI/LLNL and the US Government for general liability and for limited liability from patent and copyright infringement, as provided below:

“ARTICLE XIII: INDEMNITY AND LIABILITY

A. General Liability - To the extent such liability, claims, or damages is caused or contributed to by the intentional or negligent act or willful misconduct of USER or its employees or representatives during the performance of the work under this Agreement and to the extent permitted by law, USER hereby agrees to indemnify and hold harmless CONTRACTOR and the United States Government, their officers, agents and employees from any and all liability, claims, damages, costs and expenses, including attorney fees, for injury to or death of persons, or damage to or destruction of property....

B. Patent and Copyright Indemnity-Limited - USER shall fully indemnify the Government and CONTRACTOR and their officers, agents, and employees for infringement of any United States patent or copyright arising out of any acts required or directed by USER to be performed under the Agreement to the extent such acts are not normally performed at the facility. The foregoing indemnity shall not apply unless USER shall have been informed as soon as practicable by CONTRACTOR or the Government of the suit or action alleging such infringement, and such indemnity shall not apply to a claimed infringement that is settled without the consent of USER unless required by a court of competent jurisdiction.”

OTTED sought to substitute alternate liability language that did not include the indemnity, but was unsuccessful in its attempts to eliminate the indemnity provisions.

Analysis: The indemnity for injury to or death of persons, or damage to or destruction of property provided in Article XIII.A. is limited to the “intentional or negligent act or willful misconduct of UH or its employees or representatives during the performance of the work” to the extent permitted by law. Dr. Steward has provided assurances that no one from UH will visit the JGI facility or participate in the sequencing, which is routinely performed at the facility through its community
sequencing program. Moreover, there is virtually no health and safety risk associated with UH’s collection, preparation or shipping of the DNA samples to JGI under the project, since none of the techniques utilized represent a biological or chemical hazard, and the biological material transferred between UH and JGI will be shipped in accordance with established state and federal regulations and in compliance with procedures established by the UH EHSO. According to Dr. Steward:

“The viruses we will be collecting are not infectious for humans, but for plankton. Furthermore, the viruses will be destroyed in the process of extracting their nucleic acids. The extracted DNA is not infectious, but rather degrades readily in the environment or in contact with humans (particularly if ingested, in which case it would be rapidly degraded by the acid and enzymes in the stomach and serve as a good source of nitrogen and phosphorous; nutritious, but not harmful.”

Any financial loss for negligent acts of UH would be covered by the Risk Management Special Fund; and although no insurance will cover intentional or willful misconduct, the PI understands that any UH person who engages in such acts in the project could face disciplinary action, would not be entitled to legal counsel provided by UH, and would be required to reimburse UH for any damages it suffered. According to Dr. Steward:

“The personnel who may assist me in the sample preparation … are a graduate student whom I have known for over five years…, and a post-doctoral researcher whom I have known for ten years…. These are individuals of the highest integrity and I have no hesitation in vouching for their character. Whatever samples are prepared for shipment will be ultimately inspected by me before shipment. The interests and motivation of these individuals is in obtaining the data from JGI that we hope to get from these samples. This data is the stuff with which they can advance their careers. I can see no motive whatsoever for any of us to ship material that would be useless or, worse, harmful in any way. Even if one wanted to assume the worst intentions, I cannot think of how someone could ship anything in the small vials that we will be using that could end up harming someone on the other end. The vials are too small, the material being sent is too little, and the procedures for handling the material too strict, to believe that one could intentionally (or even unintentionally) cause harm through this mechanism.”

Given these facts, the probability of any adverse outcome from this indemnity is extremely low.

The indemnity for patent or copyright infringement provided in Article XII.B of the Agreement is limited to liability from this source arising out of any acts “required or directed” by UH to be performed in the project and only “to the extent such acts are not normally performed at the facility.” However, Dr. Steward has provided assurances that the specific sequencing protocols used in the project at JGI will be decided upon by JGI at their sole discretion and that no UH personnel will request or direct JGI to perform any acts not normally performed at the facility in the sequencing project.
Consent Agenda for Indemnity Provisions
Attachment

2. Indemnity Provision contained in the Broad Medical Research Program ("BMRP"), Inflammatory Bowel Disease Grants, The Eli and Edythe Broad Foundation ("Foundation") (collectively, "Sponsor")

The Foundation is a privately funded organization that includes, as one of its main programs, the BMRP. The BMRP specializes in helping people with inflammatory bowel diseases, of which Crohn’s Disease is one. Sponsor proposes to award the UH a total of $109,423 to support Principal Investigator, Dr. Amy C. Brown, for her research project entitled: “The relationship of a ‘Crohn’s disease diet’ in reducing symptoms of Crohn’s disease, improving quality of life, and decreasing related health care costs” (Award). Sponsor will provide funding for this project under the conditions of Dr. Brown’s proposal, but will not have input into the medical treatment of the subjects, nor in the performance of the study once begun. Sponsor is asking the UH to indemnify them only on actions and omissions of the UH, not on any actions or omissions of the Foundation or BMRP.

Dr. Brown proposes to conduct a 16-week randomized, single-blinded, placebo-controlled, pilot study with 60 adult participants, ages 18 to 75 years of age, with mild to moderate cases of Crohn’s disease. Dr. Brown has developed a special Crohn’s diet plan derived from evidence-based Medline research. The Crohn’s diet is an elimination diet, where participants will be following a specific dietary plan, with introduction of specific types of foods over the course of the study. Dr. Brown is a nutrition professor and a registered dietician and will be monitoring the results of tests taken during the 16-week period.

According to Dr. Brown, the proposed diet would not replace any current medical treatments, such as drug therapy or surgical alternatives. The UH Committee on Human Subjects has reviewed and approved this project and its protocols. Each participant will be required to sign a CHS-approved informed consent form, with either Dr. Brown or a research coordinator explaining, in lay language, the risks and benefits beforehand. All investigators who will have human contact have participated in Human Subjects Training as per JABSOM rules and federal regulations.

Dr. Robert V. Jao, M.D., is a co-investigator of this study and the study physician. Dr. Jao specializes in Gastroenterology and Internal Medicine, and is certified by the American Board of Internal Medicine, with a subspecialty certificate in gastroenterology. Dr. Jao will be performing initial and final physical examinations, ordering scheduled blood collections throughout the study period, and gathering information to determine each subject’s Crohn’s disease Activity Index (CDAI) (a simple series of data gathering that is entered into an established formula to determine whether or not a Crohn’s sufferer is in remission.) Dr. Jao will be answering general medical questions during the study, but will refer subjects back to their treating physician for treatment-related questions. Dr. Jao will not be treating subjects, nor making any recommendations or diagnoses as part of his involvement with this study. He will, however, continue to independently treat those subjects who are patients of his own practice. Dr. Jao is a part-time clinical professor at JABSOM, but his work with this study is not related to that appointment.
Dr. Brown will recruit human subjects from among local resident patients of physician members of the Crohn’s and Colitis Foundation of America – Hawaii Chapter (of which Dr. Jao is Chair), and other local gastroenterologists. Dr. Brown will also recruit subjects through flyers and newspaper stories. Each recruited subject must have his own treating physician (TP) and must inform his TP of his anticipated participation in this study. Dr. Brown will obtain a written statement from each subject’s TP acknowledging full knowledge and approval of the subject’s participation. If this acknowledgment is not received, the subject will not be allowed to participate. If the TP determines, at any time during the study, that the subject should not continue, the subject will be immediately removed from the study. Additionally, each subject will be required to read and sign a CHS-approved informed consent form, with either Dr. Brown or a staff dietician explaining, in lay language, the risks and benefits beforehand.

The Terms and Conditions of the Award, section 7., Liability/Indemnification, states, as follows:

In accepting this grant, Grantee [University of Hawai`i], on behalf of itself and its directors, officers, employees, investigators, insurers, agents and each of them (hereinafter the “Grantee’s Agents”) agree that neither the BMRP nor the Foundation will have any liability whatsoever for any actions or omissions of Grantee or Grantee’s Agents. Accordingly, to the fullest extent permitted by law, Grantee, on behalf of itself and Grantee’s Agents, agrees to release, indemnify and defend the BMRP[,] the Foundation and their respective directors, officers, employees, insurers and agents from and against any and all claims, demands, liens, agreements, contracts, covenants, actions, suits, causes of action, obligations, controversies, debts, costs, expenses (including, without limitation, actual legal fees), damages, losses, injuries to persons or property (including, without limitation, death to persons), judgments, orders and liabilities of whatever kind or nature (hereinafter “Claims”), arising in connection with, as a result of or in any way related to any activities of Grantee or Grantee’s Agents undertaken in connection with this grant, except to the extent such Claims are cause by negligence or willful misconduct of the BMRP and/or the Foundation. This indemnification will survive the expiration or earlier termination of this agreement.

Several attempts were made to negotiate the elimination or rewording of the indemnification sections of the Award Agreement. Finally, the Sponsor’s representative, Ms. Heather Kubinec (hkubinec@broadmedical.org) informed the Office of Research Services that the Sponsor requires all grantees to indemnify them and requests that section 7. Liability/Indemnification language be accepted as is. Sponsor is not amenable to any language that removes this indemnification.

Dr. Brown has stated that she is unaware of known risks to a Crohn’s patient due to being placed on a balanced diet. As part of her research in preparing the proposal that resulted in this Award, Dr. Brown read extensively on this subject in medical and nutritional journals and reports and search engines, and in addition to the positive results of studies, the United States Department of Agriculture recommends that Americans follow a balanced diet. The underlying medical condition (i.e., Crohn’s disease) manifests in negative reactions to diet, and the entire purpose of this study is to establish a diet that will provide the least amount of negative reactions.

FN 1. The terms “he” or “his”, instead of “he/she” or “his/her”, will be utilized throughout this document.
The blood samples are being taken by professional phlebotomists who perform the same function for local hospitals, clinics, and doctor’s offices, and should pose no increased danger to the participant than his/her regular treatment, thus placing the UH under no increased risk of liability. Additionally, the informed consent form will notify all participants of possible side-effects inherent in the study.

Based on the reasons included in this memorandum, it does not appear to be in the University’s interest to obtain insurance for this grant due to the minimal risk involved. Under the circumstances, as described above, it is also highly unlikely that the indemnification clause will be invoked.
B-1  Personnel Actions.

UNIVERSITY OF HAWAI'I AT HILO

Executive

TSENG, ROSE
Chancellor
Amendment to Professional Improvement Leave
$20,000 per month
July 1, 2010 – June 30, 2011

COMMUNITY COLLEGES

Faculty

FUJINAKA, LARRY H.
Professor of Psychology
Leeward Community College
Emeritus
Upon Board Approval

Recommendation: That the Board approve the personnel actions as recommended.

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David McClain
President
Pursuant to Act 6, Special Session 2008 (SB 2263), the following proposed compensation actions for excluded executives are disclosed for purposes of public comment.

UNIVERSITY OF HAWAI’I AT MĀNOA

Executive

CRISPIN, ERIC G.
Assistant Vice Chancellor
Office of Financial and Physical Resources Management
Appointment
$13,334 per month
March 1, 2009

MAGNUSSON, ROY
Associate Dean for Clinical Affairs
John A. Burns School of Medicine
Appointment
$18,350 per month
March 1, 2009

TIWANAK, GAIL P.
Director of Hawai’i State Center for Nursing
School of Nursing and Dental Hygiene
Appointment
$10,416 per month
April 1, 2009

YANG, ALAN I.
Associate Vice Chancellor
Office of the Vice Chancellor for Students
Administrative Stipend
$1,433 per month
July 1, 2008 – June 30, 2009

UNIVERSITY OF HAWAI’I AT HILO

Executive

OAKS, KELLY
Director of EEO/AA
Appointment
$7,750 per month
April 1, 2009 – March 31, 2012