

Gifts, Grants, and Contracts for December 2009

The following gifts, grants and contracts received by all campuses during the period December 1, 2009 through December 31, 2009 total \$25,938,099. The unofficial year-to-date total is: \$270,785,777.

Research

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept/NIH - Natl Cancer Institute \$11,365

University of Guam/Cancer Research Center of Hawaii Partnership

Vogel, Carl-Wilhelm Cancer Research Center

Cancer research, training, education and outreach in partnership with the University of Guam.

Health & Human Svc, Dept/NIH - Natl Cancer Institute \$199,716

University of Guam/Cancer Research Center of Hawaii Partnership

Vogel, Carl-Wilhelm Cancer Research Center

Cancer research, training, education and outreach in partnership with the University of Guam.

DOC-Dept of Commerce

Commerce, Dept - Natl Oceanic & Atmospheric Adm (NOAA) \$80,000

Strategic Planning for Administering Catch Share Program

Lynham, John M Social Science Research Institute

Strategic planning for administering catch share program in the Western Pacific region.

DOD-Department of Defense

Defense, Dept - Air Force \$14,237

Operations and Management of the Maui Supercomputing Center

Lassner, David K Information Technology Services

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

Defense, Dept - Air Force \$6,325

Operations and Management of the Maui High Performance Computing Center

Lassner, David K Information Technology Services

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

Defense, Dept - Air Force \$240,782

Operations and Management of the Maui High Performance Computing Center

Lassner, David K Information Technology Services

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

Defense, Dept - Air Force \$104,438

Operations and Management of the Maui Supercomputing Center

Lassner, David K Information Technology Services

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

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Research

DOD-Department of Defense

- Defense, Dept - Air Force Ofc of Scientific Rsch \$105,000
Development and Application of a Biologically Inspired Methodology for the Optimized, Multi-disciplinary and Multi-objective Design of Air Vehicles
Kobayashi, Marcelo H Department of Mechanical Engineering
Development of novel design methodologies for air vehicle design.
- Defense, Dept - Office of Naval Research \$33,275
Developing cDNA Libraries of Receptors Involved in the Recruitment of the Biofouling Tubeworm Hydroides elegans
Hadfield, Michael G Pacific Biosciences Research Center
This project will develop cDNA libraries for analysis of receptors involved in the recruitment of the biofouling tubework Hydroides elegans. We plan to make at least two developmental stage-specific cDNA libraries.
- Defense, Dept - Office of Naval Research \$315,418
Hawaii Energy and Environmental Technologies (HEET) Initiative, Phase II (FY09)
Rocheleau, Richard E Hawaii Natural Energy Institute
Conduct research on development and testing of fuel cells, exploration and characterization of methane hydrates, and testing of emerging alternative energy technologies.
- Defense, Dept - Office of Naval Research \$12,432,872
Hawaii Energy and Environmental Technologies (HEET) Initiative, Phase II (FY09)
Rocheleau, Richard E Hawaii Natural Energy Institute
Conduct research on development and testing of fuel cells, exploration and characterization of methane hydrates, and testing of emerging alternative energy technologies.
- Defense, Dept - Office of Naval Research \$1,488,197
Hawaii Energy and Environmental Technologies (HEET) Initiative, Phase II (FY09)
Rocheleau, Richard E Hawaii Natural Energy Institute
Conduct research on development and testing of fuel cells, exploration and characterization of methane hydrates, and testing of emerging alternative energy technologies.

DOI-Dept of Interior

- Interior, Dept - U.S. Geological Survey \$331,000
VOG Measurement and Prediction (VMAP) Project
Businger, Steven Department of Meteorology
This proposal will develop accurate and timely volcanic gas forecasting using gas dispersion and wind models, and the development of near real-time volcanic gas emission rate measurements.
- Interior, Dept - U.S. Geological Survey \$90,000
Understanding of Basaltic Eruption Dynamics and Mechanisms: Effusive and Explosive Eruptions in Hawaii
Houghton, Bruce F. Department of Geology and Geophysics
Models for the eruptions of Kilauea based on the activity of 2008-2009.

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Research

Federal Agencies

- Justice, Dept - Office of Justice Programs-FED \$435,689
Multimedia Juvenile Victimization (MJV): Insights into Youth Behavior to Help Law Enforcement
Nguyen, Thanh Truc Curriculum Research and Development Group
The primary goal is to collect baseline data about the habits and patterns of Internet media usage by juveniles so that law enforcement can better prepare themselves for preventative measures and strategies for prevention of crimes. Secondary goals are to collect data from parents and teachers about concerns and readiness.
- National Fdn on the Arts & Humanities-Inst of Museum & Libr Svc \$248,952
Rescue, Recovery and Storage of Hawaii's Most Critically Endangered Native Plants
Sugii, Nellie C Lyon Arboretum
Expand the rescue and recovery conservation effort at the Lyon Arboretum Hawaiian Rare Plant Program facility by research, propagation and germplasm storage of Hawaii's most endangered native plant species.
- Veterans Affairs, Dept - National Center for PTSD \$21,085
Community Stigma as a Barrier to Care Among Rural and Urban Veterans of Operation Iraqi Freedom and Operation Enduring Freedom
Stotzer, Rebecca School of Social Work
As part of a needs assessment/barriers to care study, Dr. Stotzer will: 1) prepare research proposals, 2) design and monitor data collection, 3) conduct analyses, and 4) meet with PI weekly or on an as-needed basis

Foreign

- Korea Foundation \$80,000
From Origin to Destination: Policy Alternatives for Managing Two-Way Migration Pathways in Asia
Seo, Jungmin Department of Political Science
The project will obtain subjective accounts from actual and potential migrants on their motivations and processes of migration by conducting in-depth interviews in both origin and destination countries (Korea and Vietnam)
- Korean Institute of Geoscience and Mineral Resources (KIGAM) \$43,478
Validation of Water Budget Analyses and Modeling for the Sustainable Groundwater Availability in Jeju Island
El-Kadi, Aly I Water Resources Research Center
Using data supplied by KIGAM, the project will (a) validate the water budget analyses, and (b) construct hydrological models of groundwater flow and groundwater availability on Jeju Island, Korea.
- Norwegian Embassy \$153,728
Sustaining Rice Production in a Changing Climate: Testing Climate Uncertainties and Validating Selected Adaptation Techniques on Farmers Fields
Annamalai, H Department of Meteorology
To reduce uncertainties in future monsoon projections, demonstrate the applicability of selected adaption techniques and enhance stakeholder adaptive capacity to climate change on rice production and irrigation water management practices through field demonstration.

Hawaii- Business and Other

- Malama Kahalawai Inc \$11,483
Invasive Species Management Using Prevention and Control Techniques in the West Maui Mountains
Morden, Clifford W Department of Botany
Develop a prioritized weed control plan using analysis of multi-spectral aerial photographic surveys.

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Research

Hawaii- Business and Other

Research Corporation, University of Hawaii \$37,940
Documenting the Deep-Sea Octocorals of the Papahānaumokuākea Marine National Monument
Watling, Les Department of Zoology
Identify, describe, and name new species of deep-sea octocorals.

Hawaii- Dept of Education

Education, Dept - HI \$45,662
Evaluation of Supplemental Education Services Program
Inazu, Judith K Social Science Research Institute
To conduct an evaluation of the NCLB's Supplemental Education Services Program.

Hawaii- Government Agencies

City & County of Honolulu \$462,920
Biological and Sediment Monitoring Program with Supplemental Studies
Moncur, James E Water Resources Research Center
The fundamental objective of the program is to assess the chronic effects of ocean outfall discharges of treated sewage on the marine communities and sediments.

Hawaiian Affairs, Office of-HI \$58,576
The Study of Disparate Treatment of Native Hawaiian in the Criminal Justice System
Kaopua, Lana Sue I School of Social Work
To conduct a comprehensive research study using qualitative methods and analysis to understand the disparate treatment of native Hawaiians in the criminal justice system.

Land & Natural Res, Dept - Div of Forestry & Wildlife-HI \$20,000
Human Impact Evaluation, Biological Inventory and Assessment, and Information Synthesis of the Ahihi Kinau, Maui Area Reserve
Jokiel, Paul L Hawaii Institute of Marine Biology
This project will conduct and compare baseline surveys in 3 management regimes: closed and open areas within the NAR, and areas outside the NAR boundaries of Ahihi Kinau Natural Area Reserve, Maui. We will design methods to detect changes in urchin and seastar populations, fish density and behavior, and benthic cover and create a baseline for impacts to near-shore areas.

Land & Natural Res, Dept - HI \$95,378
Natural Area Reserves Management
Duffy, David C Department of Botany
Research and manage endangered species in their protected habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.

Land & Natural Res, Dept - HI \$49,000
Statewide Plant Conservation Program
Duffy, David C Department of Botany
Develop and coordinate integrated statewide plant conservation program across partner agencies.

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Research

Hawaii- Government Agencies

Land & Natural Res, Dept - HI	\$56,625
<u>Forest Restoration of Mauna Kea</u>	
Duffy, David C	Department of Botany
Restore native forest areas on Mauna Kea to mitigate the declining population of endangered native Palila, a finch-billed honeycreeper.	
Land & Natural Res, Dept - HI	\$175,050
<u>The State of Hawaii's Plant Extinction Prevention Program</u>	
Morden, Clifford W	Department of Botany
Prevent the extinction of critically endangered native plants through collection of genetic materials for future use in propagation and reintroduction into the wild.	
Land & Natural Res, Dept - HI	\$28,258
<u>Proposal for the Implementation of a Recreational Impacts to Reefs Local Action Strategy</u>	
Duffy, David C	Department of Botany
Facilitate the implementation of Hawaii's Recreational Impacts to Reefs Local Action Strategies (RIRLAS)	
Land & Natural Res, Dept - HI	\$29,625
<u>Natural Area Reserves Management Enhancement:Oahu</u>	
Duffy, David C	Department of Botany
Provide research support to the Natural Area Reserves System Commission to recommend designation of new lands into the Natural Area Reserves System.	

Hawaii- Non-Profit Organizations

HCF-Medical Research Funds	\$50,000
<u>A Glucose-Regulated Selenoprotein in Alzheimer's and Type II Diabetes</u>	
Bellinger, Frederick P	Department of Cell and Molecular Biology
Oxidative stress causes tissue damage in many disorders including Alzheimer's and type II diabetes. Selenoproteins may help prevent neurodegeneration in the early stages of certain diseases. The overall goal of this study is to determine if a glucose-regulated selenoprotein is associated with plaques of Alzheimer's disease.	
Hau'oli Mau Loa Foundation	\$35,000
<u>Environmental Indicators for Hawaii</u>	
Coffman, Makena	Department of Urban and Regional Planning
Develop a set of environmental indicators and baseline information for Hawaii in relation to climate change preparedness, coastal zone management, land-use patterns, native forests and watershed amenities for the purposes for developing a strategic plan for environmental grant-making.	
Tri-Isle Resource Conservation & Dev Council	\$71,500
<u>East Maui Mountains Watershed</u>	
Morden, Clifford W	Department of Botany
Conduct applied research and management of the native forests in East Maui's watershed.	

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Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation \$25,000
Plant and Protein Biotech Research
Su, Wei-Wen Winston Department of Molecular Biosciences and Bioengineering
Research on protein production from plants and microbes, and modification, characterization, and application of the proteins.

Mainland- Business and Other

Boeing Company \$36,618
Hawaii Dynamic Radiosonde Demonstration
Businger, Steven Department of Meteorology

Jet Propulsion Lab \$14,078
Dust, Ice, and Gas in Time (DIGIT)
Cieza, Lucas Institute for Astronomy
Dr. Lucas Cieza will be responsible for the data reduction and analysis of the PACS and SPIRE point-source photometry of weak-line T Tauri Stars and transition objects.

Sierra Lobo, Inc. \$30,000
Sierra Lobo Helium Recovery Project
Rocheleau, Richard E Hawaii Natural Energy Institute
HNEI will study the feasibility of employing the H₂ and/or O₂ starvation operation, to purify Helium (He) rich gas streams. Testing shall be conducted over a range of contamination levels and over a variety of practical operating conditions to be determined with Sierra Lobo.

Sound and Sea Technology, Inc. \$17,000
OTEC Site Assessment and Survey for Sound and Sea, Inc.
Ericksen, Todd L. Hawaii Institute of Geophysics and Planetology
Conduct oceanographic and seafloor surveys of potential sites for Ocean Thermal Energy Conversion (OTEC) deployment for US Navy, as subcontracts to Sound and Sea, Inc.

Mainland- Health Organizations

Hutchinson (Fred) Cancer Research Center \$98,384
Colorectal Cancer Genome-Wide Association Studies Consortium
Le Marchand, Loic Cancer Research Center
Using the Multi-ethnic Cohort Study Caucasian samples, this study proposes to collaborate with the Colorectal Center GWAS consortium to replicate the associations found with genetic variants in other ongoing whole genome-wide association studies.

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Research

Mainland- Non-Profit Organizations

Consortium for Ocean Leadership \$14,828
IODP Expedition 321

Wilkins, Roy H

Hawaii Institute of Geophysics and Planetology

Study on research ship collecting seafloor samples along the equatorial Pacific Ocean for the purpose of climate history studies.

TRUE Research Foundation \$328,147

Services Agreement for Development, Deployment, and Cost Effectiveness of a Self-Administered Stereo Non-Mydriatic Automated Retinal Camera (SNARC)

Bursell, Sven-Erik

John A. Burns School of Medicine

To direct the development of a prototype retinal imager that can be manufactured at low cost, is portable, uses low light levels, and can operate with pupil diameters as low as 2.7 mm, and to study enhanced capabilities for an

TRUE Research Foundation \$64,220

Services Agreement for Development of a Prototype Personal Health Record Application (PHR-A)

Bursell, Sven-Erik

John A. Burns School of Medicine

Development of a prototype personal health record application (PHR-A) that captures information about daily living important for diabetes and provides decision support with actionable advice for diabetes self care.

TRUE Research Foundation \$163,210

Services Agreement for the Use of a Computer Assisted Decision Support (CADS) System to Improve Outcomes in Patients with Type II Diabetes

Bursell, Sven-Erik

John A. Burns School of Medicine

Evaluate the software application "Computer Aided Decision Support (CADS)" by patients with Type II diabetes for patient and provider satisfaction, technical acceptability, compliance of patients and providers, and changes in

National Aeronautics and Space Administration

National Aeronautics & Space Administration \$100,000

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

Qiu, Bo

Department of Oceanography

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

National Aeronautics & Space Administration \$138,389

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

Maximenko, Nikolai A

Department of Oceanography

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

National Aeronautics & Space Administration \$107,335

Aquarius Salinity Calibration, Error Quantification, Signal-to-Noise Analyses, and Resolution Studies Using Historical and Concurrent Data

Maximenko, Nikolai A

Department of Oceanography

The project will use the Aquarius mission to provide the best possible product, to characterize the space-time variability of salinity fronts, to quantify and improve the accuracy and signal-to-noise characteristics of both gridded and along-track products, and to assess the value of Aquarius with respect to existing observations.

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Research

National Science Foundation

National Science Foundation \$30,715
Glacial Water Mass Geometry in the South Atlantic: Testing Neodymium Isotopes versus Benthic Carbon Isotopes as Paleo-Water Mass Tracers
Pahnke, Katharina Department of Geology and Geophysics
The objectives of the proposed study are to reconstruct past changes in the export of Antarctic Bottom Water in the South Pacific using neodymium isotopes in terrestrial sediments transported by currents and in seawater. Sediment and seawater samples will be collected on cruise ANT26-2 at the end of 2009.

US Colleges and Universities

Arizona State University \$14,000
Single and Multi-Layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement
Boyce, Joseph M. Hawaii Institute of Geophysics and Planetology
The proposed investigation entitled Single and Multi-Layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement continues to be to use existing THEMIS visible images data (and provided scientific guidance and encouragement for collection of new THEMIS image data.

California Irvine, University of \$354,738
Single-Cell Technology for Analyzing Spatial Expression of Burkholderia pseudomallei Genes
Hoang, Tung Thanhthanh Department of Microbiology
This research propose to develop single cell RNA amplification technology and to apply it for global gene expression of the bacteria pathogen, Burkholderia pseudomallei.

California Los Angeles, University of \$46,407
Subcontract from "CAREER: The Coordination of Leaf Hydraulics, Structure and Gas Exchange"
Ranker, Thomas A Department of Botany
Research on the coordination of leaf structure, hydraulics, physiology and ecology of native Hawaiian plant species. Support for UHM Botany Department graduate students as research assistants for the project.

Colorado, University of \$126,394
The Impact of an Environmental and Curriculum Change on Children's Obesity Related Behaviors
Nigg, Claudio R Office of Public Health Studies
This is a subcontract for a part of the physical activity curriculum, the process evaluation and biostatistics for a project promoting physical activity in elementary school children. It is a project investigating the interaction of curriculum and playgrounds.

Drew, Charles R., University \$537,629
RCMI Translational Research Network (RTRN)
Yanagihara, Richard John A. Burns School of Medicine
The goal of the RTRN is to establish an infrastructure to facilitate translational research in health disparities. Hawaii will be one of the performance sites coordinated by Drew University. Drew University will send a subcontract to UH based on the attached sub-recipient commitment form attached.

Southern California, University of \$111,236
A Multiethnic Genome Wide Scan of Prostate Cancer
Le Marchand, Loic Cancer Research Center
To conduct a whole genome association study of prostate cancer among five ethnic groups to identify genetic susceptibility factors for this common cancer.

Gifts, Grants, and Contracts for December 2009

Research

US Colleges and Universities

Toledo, University of \$147,186

Rapidly Deployable Solar Electricity and Fuel Sources

Miller, Eric L 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.

Vermont, University of \$147,911

Sex Chromosomes in Fetal Programming of Susceptibility to EAE

Ward, Monika Anna 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).

Subcount: 57

Subtotal: \$20,315,999

Non-Research

DA-Dept of Agriculture

Agriculture, Dept - FED \$156,000

University of Hawaii Fellowships for Integrative Training in Sustainable Sciences (UH-FITSS)

Chan-Halbrendt, Catherine Department of Natural Resources and Environmental Management

The NREM department at UHM seeks to initiate a Fellowship training program in sustainable Sciences to provide graduate scholarship opportunities and a model of interdisciplinary graduate studies. Our project goal is to create an interdisciplinary cohort of 3 Ph.D. level Fellows to contribute to our program.

DHHS-Dept of Health and Human Services

Health & Human Svc, Dept - FED \$750,000

JOB'S MED: Hire Abilities - Hawaii

Stodden, Robert A Center on Disability Studies

The proposed project will be working toward the implementation of Medicaid Buy-In program in the State of Hawaii, and will be promoting the linkage between medicaid, employment-related service agencies and private businesses, and will develop a comprehensive system of employment supports for people with disabilities.

DOC-Dept of Commerce

Commerce, Dept - Natl Telecom & Information Adm \$499,641

PEACESAT - Public Service Telecommunications in the Pacific Islands

Okamura, Norman H 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.

Gifts, Grants, and Contracts for December 2009

Non-Research

Federal Agencies

ational Fdn on the Arts & Humanities-Inst of Museum & Libr Svc \$249,918
Pathways to Excellence and Achievement in Research and Learning (PEARL)
Harada, Violet Department of Information and Computer Sciences
This project focuses on the design, implementation, and assessment of a model of professional development for high school librarians and teachers working with students on senior research projects.

Foreign

Federated States of Micronesia \$80,000
Pacific Regional Comprehensive Cancer Control Implementation Program (Subcontract from FSM DOH)
Buenconsejo-Lum, Lee 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.

High Energy Accelerator Research Orgn (KEK) \$161,000
Burle Planicon Readout System Purchase
Varner, Gary S Department of Physics and Astronomy
Fabrication, assembly, test, and delivery of a Burle Planicon Readout System. Task includes testing, documentation and extensive engineering application support.

Tohoku University \$200,000
PLANETS Telescope Mirror Design and Acquisition
Kuhn, Jeffrey R. Institute for Astronomy
Create design specifications and purchase mirror for telescope. Identify and prepare for polishing stage of mirror.

Hawaii- Business and Other

Kamehameha Schools \$70,000
Get FIT - Culture-Based Teaching and Learning
Watts, Margit C Curriculum Research and Development Group
This project will complement the work of the Manoa Partnerships Get FIT program by providing monies for extending the reach to the neighbor islands, developing a cultural teaching and learning component, both in course and workshop format, and provide experiential learning for Get FIT residential students.

Kamehameha Schools \$32,953
Assessing Affordable Housing Policies for Hawaii
Burnett, Kimberly Social Science Research Institute
In Hawaii, inclusionary zoning has been used as a means of assuring that affordable homes are included in new development plans. This research will evaluate affordable housing policies in particular inclusionary zoning regulations, and determine the implications of proposed policies for the residents of Hawaii.

Gifts, Grants, and Contracts for December 2009

Non-Research

Hawaii- Dept of Education

Education, Dept - HI \$66,705
Teacher Training: Teaching Kindergarten to Third Grade Teachers to Teach Reading and Language Arts
Schwartz, Jonathan Chancellor, University of Hawaii at West Oahu
Kindergarten to third grade teachers will take part in a year long training where they will learn to teach reading and language arts in Hawaii public schools.

Hawaii- Government Agencies

Agriculture, Dept - Agribusiness Dev Corp-HI \$7,500
Farm Food Safety Coaching Services
Hollyer, James R College of Tropical Agriculture and Human Resources
UH Farm Food Safety Project to provide onsite training of local produce growers on food safety to include safe food handling practices, field and packing shed hygiene, field security, and guidance in the development in a food safety manual and the accompanying logs necessary to complete a third-party food safety audit.

County of Maui - Ofc of Economic Development \$142,677
Year Round Youth Services and Training Program under the Workforce Investment Act of 1998 for the County of Maui
Tagomori, Alvin R Chancellor, Maui Community College
MCC-Ku'ina Program plans to continue the "Year-Round Youth Services and Training Program under the Workforce Investment Act of 1998". Ku'ina will assist economically and otherwise disadvantaged "At-Risk" youth to achieve academic and career success, contributing to independence and self-sufficiency.

Health, Dept - Adult Mental Health-HI \$113,196
Hawaii Mental Health Transformation State Incentive Grant
Onken, Steven Social Science Research Institute
The purpose of this grant is to do a transformation of the current mental health delivery system in the state. It is to look at the system as a whole and modify laws, norms and values, reassessed, and systems of service delivery and finance, changed.

Health, Dept - Executive Office on Aging-HI \$40,000
Skills Training for the State Plan for 2011-2015
Browne, Colette V Center on Aging
Training of the staff of the Area Agencies on Aging and the Executive Office on Aging in their planning needs covering such topics as how to do a needs assessment, development of a survey, how to conduct focus groups, review of program logic models, etc.

Human Services, Dept - HI \$1,097,886
Title IV-E Eligibility Quality Assurance Project
Matsuoka, Jon K School of Social Work
To review Title IV-E eligibility cases and make recommendations regarding their eligibility for IV-E and IV-A EA funding.

Human Services, Dept - HI \$248,040
Child Welfare Training
Godinet, Meripa T. 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.

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Non-Research

Hawaii- Government Agencies

Human Services, Dept - HI	\$553,977
<u>Title IV-E Eligibility Quality Assurance Project</u>	
Matsuoka, Jon K	School of Social Work
To review Title IV-E eligibility cases and make recommendations regarding their eligibility for IV-E and IV-A EA funding.	
Labor & Industrial Relations, Dept - HI	\$65,634
<u>Green Training Project</u>	
Feeney, Paulette	Outreach College
Research, develop and implement "green" training. Working with advisory group Building Owner and Managers Association of Hawaii to identify training needs for managers, operating engineers, staff, subcontractors, and tenant associations, we'll develop waste reduction and energy conservation programs.	
Land & Natural Res, Dept - HI	\$11,658
<u>State Park Resource Management Rangers</u>	
Duffy, David C	Department of Botany
Implement natural and cultural resource protection projects, management activities to reduce threats to resources, and implement activities to encourage community involvement in state parks on Kauai.	

Hawaii- Health Organizations

Kapiolani Medical Specialists	\$6,466
<u>Reimbursement Agreement - FY2009, Agreement No. SF09-KMS-PSYCH</u>	
Guerrero, Anthony P	Department of Psychiatry
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.	
Queen Emma Clinic	\$5,142
<u>Reimbursement Agreement - FY2009, Agreement No. SF09-QMC-QEC-SURG</u>	
Takanishi, Danny M Jr.	Department of Surgery
Salary, Fringe Benefit & Malpractice Insurance reimbursement agreement to provide physician and physician related services for FY 2009.	
Rehabilitation Hospital of the Pacific	\$46
<u>Reimbursement Agreement - FY2009, Agreement No. SF09-REHAB-MED</u>	
Tam, Elizabeth K	Department of Medicine
Salary, Fringe Benefit & Malpractice reimbursement agreement to provide physician and physician related services for FY 2009.	

Hawaii- Non-Profit Organizations

Maui Economic Development Board, Inc	\$20,000
<u>Reed Act</u>	
Tagomori, Alvin R	Chancellor, Maui Community College
MCC-Ku'ina Program plans to utilize US Department of Labor funds to implement activities proposed under Reed Act which is Wagner Peyser types of activates (job search assistance, job referral, placement assistance for job seekers, recruitment services to employers with job openings, etc.)	

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Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$39,910
<u>Hawaii Family Support Institute</u>	
Matsuoka, Jon K	School of Social Work
To provide support of Hawaii Family Support Institute projects.	
University of Hawaii Foundation	\$50,000
<u>Early Childhood Course Development Project</u>	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for program costs, overload, and release time for early childhood faculty throughout the UH system to develop, implement, and evaluate online courses in early childhood development.	
University of Hawaii Foundation	\$74,712
<u>Kellogg P-3 Expenditures</u>	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for P-20 salary, fringe, and program costs.	
University of Hawaii Foundation	\$66,925
<u>Yehan Numata Chair</u>	
Baroni, Helen J	Department of Religion
To support the teaching and research activities of an internationally-recognized Buddhist Studies scholar.	
University of Hawaii Foundation	\$2,582
<u>Ready Kids, Ready Schools</u>	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for salary & fringe charges for student assistant to input K-12 data needed to allow for P-20 to conduct an exploratory project with PreK data.	

Mainland- Business and Other

Adamas Pharmaceuticals, Inc.	\$61,400
<u>ADS-TCAD-PO206 - A Randomized Open Label Study Comparing the Efficacy, Safety, and Tolerability of Oral Administration of Amantadine and Ribavirin</u>	
Shikuma, Cecilia M	Department of Medicine
To recruit, screen, and treat individuals with influenza A and have weakened immune systems.	

Mainland- Non-Profit Organizations

Consortium for Ocean Leadership	\$16,000
<u>Hawaii Regional Ocean Sciences Bowl 2010</u>	
Johnson, Tara Hicks	School of Ocean and Earth Science and Technology
Organize and host the 2010 Hawaii Regional Ocean Sciences Bowl in Honolulu	

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Non-Research

Mainland- Non-Profit Organizations

Institute of International Education, Inc. \$69,423

University of Hawaii Korean Language Flagship Center: Assessment Project (Domestic)

Sohn, Ho-Min Department of East Asian Languages and Literatures

Develop paper and online versions of a test for reading, listening, and writing skills in Korean, from novice to superior proficiency levels. Develop a database to track students who take the test.

Western States Communication Assn \$4,200

Editor for Communication Reports (academic journal)

Sharkey, William Department of Speech

Review & process new manuscripts, find & select reviewers, write decision letters, work with accepted authors to prepare manuscript for publication, work with publisher to finalize issue publications, write two reports each year for two parent associations, deliver progress reports at both associations' annual conventions.

National Science Foundation

National Science Foundation \$49,908

Research Starter Grant: Building Pacific Islander Homes, Households, and Communities

Bautista, Lola Quan Center for Pacific Islands Studies

This project concerns the creation of a half-hour documentary film, and educational high school packet, and a Website. The film will be shot on Guam focusing on migrant communities from the Federated States of Micronesia (FSM).

US Colleges and Universities

Arizona, University of \$106,479

Water Quality Research and Extension Coordination in Hawaii

Evensen, Carl I Department of Natural Resources and Environmental Management

Promote delivery of regional integrated educational programming and applied research to address regional and multi-regional water quality and water resource concerns.

California Davis, University of \$35,000

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

Kawate, Michael K Department of Plant and Environmental Protection Sciences

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

Kansas State University \$60,000

2010 Military 4-H Club Grant

Nakatsuka, Claire M College of Tropical Agriculture and Human Resources

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

Gifts, Grants, and Contracts for December 2009

Non-Research

US Colleges and Universities

Kirkwood Community College		\$129,665
<u>CCI-Egypt Student Program 2010</u>		
Richards, Leon	Chancellor, Kapiolani Community College	
Provide quality educational programs, professional development, employment skills and first-hand understanding of American society to under-served non-elite international students to enable them to contribute in their home nation's future economic and democratic development.		
Kirkwood Community College		\$231,957
<u>CCI-Multinational Student Program 2010</u>		
Richards, Leon	Chancellor, Kapiolani Community College	
Provide quality educational programs, professional development, employment skills and first-hand understanding of American society to under-served non-elite international students to enable them to contribute in their home nation's future economic and democratic development.		
New Jersey, Univ of Medicine & Dentistry		\$15,000
<u>UMDNJ/New Jersey Institute for Successful Aging Reynolds Subcontract</u>		
Bell, Christina	Department of Geriatric Medicine	
Subcontract agreement between UMDNJ - School of Osteopathic Medicine/New Jersey Institute for Successful Aging to provide technical assistance for their Donald W. Reynolds Foundation grant. To include a 2-day faculty development workshop and application, assessment, and evaluation of OSCEs as part of grant.		
New Mexico State University		\$4,000
<u>Washing My Pounds Away</u>		
Ikeda, Carol S	Department of Family and Consumer Sciences	
To reach target populations (Pacific Islanders, Mexicans, limited resource families) to use exergames to promote their physical activity for health and wellness.		
Notre Dame, University of		\$1,500
<u>QuarkNet</u>		
Jones, Michael D	Department of Physics and Astronomy	
This project involves high school teachers using cosmic ray detectors as a way to introduce particle physics concepts in their teaching.		
Saddleback College		\$25,000
<u>"Rapid Tech" National Center for Rapid Technologies</u>		
Jennings, Michael	Chancellor, Honolulu Community College	
Curriculum development in 3D Rapid Prototyping in architecture.		
Subcount:	42	Subtotal: \$5,622,100
Count:	99	Total: \$25,938,099

Funds Received from UH Foundation for 12/01/2009 - 12/31/2009

Non-Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$66,925
"Yehan Numata Chair"	
Baroni, Helen J	Department of Religion
To support the teaching and research activities of an internationally-recognized Buddhist Studies scholar.	
University of Hawaii Foundation	\$2,582
"Ready Kids, Ready Schools"	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for salary & fringe charges for student assistant to input K-12 data needed to allow for P-20 to conduct an exploratory project with PreK data.	
University of Hawaii Foundation	\$50,000
"Early Childhood Course Development Project"	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for program costs, overload, and release time for early childhood faculty throughout the UH system to develop,	
University of Hawaii Foundation	\$74,712
"Kellogg P-3 Expenditures"	
Johnsrud, Linda K	Vice President for Academic Planning and Policy
To pay for P-20 salary, fringe, and program costs.	
University of Hawaii Foundation	\$39,910
"Hawaii Family Support Institute"	
Matsuoka, Jon K	School of Social Work
To provide support of Hawaii Family Support Institute projects.	

Research

Hawaii- Non-Profit Organizations

University of Hawaii Foundation	\$25,000
"Plant and Protein Biotech Research"	
Su, Wei-Wen Winston	Department of Molecular Biosciences and Bioengineering
Research on protein production from plants and microbes, and modification, characterization, and application of the proteins.	

Count: 6

Total: \$259,129

**Extramural Research Awards
for the Month of
December 2009
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DHHS-Dept of Health and Human Services	2	\$211,081	1.04%
DOC-Dept of Commerce	1	\$80,000	0.39%
DOD-Department of Defense	9	\$14,740,544	72.56%
DOI-Dept of Interior	2	\$421,000	2.07%
Federal Agencies	3	\$705,726	3.47%
Foreign	3	\$277,206	1.36%
Hawaii- Business and Other	2	\$49,423	0.24%
Hawaii- Dept of Education	1	\$45,662	0.22%
Hawaii- Government Agencies	9	\$975,432	4.80%
Hawaii- Non-Profit Organizations	4	\$181,500	0.89%
Mainland- Business and Other	4	\$97,696	0.48%
Mainland- Health Organizations	1	\$98,384	0.48%
Mainland- Non-Profit Organizations	4	\$570,405	2.81%
National Aeronautics and Space Administration	3	\$345,724	1.70%
National Science Foundation	1	\$30,715	0.15%
US Colleges and Universities	8	\$1,485,501	7.31%
Total:	<u>57</u>	<u>\$20,315,999</u>	<u>100%</u>

**Extramural Non-Research Awards
for the Month of
December 2009
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	1	\$156,000	2.77%
DHHS-Dept of Health and Human Services	1	\$750,000	13.34%
DOC-Dept of Commerce	1	\$499,641	8.89%
Federal Agencies	1	\$249,918	4.45%
Foreign	3	\$441,000	7.84%
Hawaii- Business and Other	2	\$102,953	1.83%
Hawaii- Dept of Education	1	\$66,705	1.19%
Hawaii- Government Agencies	9	\$2,280,568	40.56%
Hawaii- Health Organizations	3	\$11,654	0.21%
Hawaii- Non-Profit Organizations	6	\$254,129	4.52%
Mainland- Business and Other	1	\$61,400	1.09%
Mainland- Non-Profit Organizations	3	\$89,623	1.59%
National Science Foundation	1	\$49,908	0.89%
US Colleges and Universities	9	\$608,601	10.83%
Total:	<u>42</u>	<u>\$5,622,100</u>	<u>100%</u>

**Extramural Research Awards
Year to Date: 07/01/09 - 12/31/09
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	40	\$6,114,617	3.80%
DHHS-Dept of Health and Human Services	67	\$34,579,911	21.52%
DOC-Dept of Commerce	65	\$23,175,691	14.42%
DOD-Department of Defense	40	\$27,796,613	17.30%
DOE-Dept of Energy	14	\$4,777,133	2.97%
DOI-Dept of Interior	42	\$3,386,700	2.11%
ED-Dept of Education	5	\$672,198	0.42%
Federal Agencies	4	\$772,152	0.48%
Foreign	13	\$1,438,887	0.90%
Hawaii- Business and Other	17	\$949,481	0.59%
Hawaii- Dept of Education	1	\$45,662	0.03%
Hawaii- Government Agencies	65	\$9,637,994	6.00%
Hawaii- Health Organizations	3	\$161,561	0.10%
Hawaii- Non-Profit Organizations	27	\$1,736,680	1.08%
Mainland- Business and Other	33	\$2,405,425	1.50%
Mainland- Health Organizations	13	\$1,992,923	1.24%
Mainland- Non-Profit Organizations	21	\$1,698,498	1.06%
National Aeronautics and Space Administration	38	\$4,121,753	2.56%
National Science Foundation	71	\$29,301,538	18.23%
US Colleges and Universities	53	\$5,947,014	3.70%
Total:	<u>632</u>	<u>\$160,712,431</u>	<u>100%</u>

Note: YTD amounts include adjustments.

**Extramural Non-Research Awards
Year to Date: 07/01/09 - 12/31/09
Distribution by Sponsors**

<u>AGENCY-UNIT</u>	<u>NO. OF AWARDS</u>	<u>AMOUNT</u>	<u>PERCENT</u>
DA-Dept of Agriculture	13	\$3,351,972	3.05%
DHHS-Dept of Health and Human Services	34	\$10,564,714	9.60%
DOC-Dept of Commerce	14	\$1,281,790	1.16%
DOD-Department of Defense	1	\$126,193	0.11%
DOI-Dept of Interior	11	\$366,553	0.33%
ED-Dept of Education	60	\$31,884,858	28.97%
Federal Agencies	13	\$8,620,377	7.83%
Foreign	12	\$748,730	0.68%
Hawaii- Business and Other	28	\$3,342,422	3.04%
Hawaii- Dept of Education	7	\$431,611	0.39%
Hawaii- Government Agencies	74	\$11,877,452	10.79%
Hawaii- Health Organizations	26	\$9,926,652	9.02%
Hawaii- Non-Profit Organizations	57	\$4,178,821	3.80%
Mainland- Business and Other	8	\$580,597	0.53%
Mainland- Non-Profit Organizations	16	\$1,751,859	1.59%
National Aeronautics and Space Administration	4	\$2,788,975	2.53%
National Science Foundation	28	\$16,723,806	15.19%
US Colleges and Universities	27	\$1,525,964	1.39%
Total:	<u>433</u>	<u>\$110,073,346</u>	<u>100%</u>

Note: YTD amounts include adjustments.