

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Agriculture, Dept - Animal and Plant Health Inspection Service	David Duffy	Department of Botany	FY12 National Honey Bee Survey	Live bees will be collected from colonies around the state to be sent for analysis to APHIS cooperators at University of Maryland.	1	25,000
AGRICULTURE, DEPT, FOREST SVC-FED	Creighton Litton	Natural Resources and Environmental Mgt	Assessing the effects of fragmentation, invasive species and climate change on forest fragments		1	20,000

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-FED	Marla Berry	Department of Cell and Molecular Biology	Mechanism of Selenoprotein Synthesis	Selenium is present in crucial antioxidant and redox enzymes that function in all aspects of life, from early development through diseases associated with aging, and most biological processes in between. We are investigating how cells incorporate selenium into proteins for the optimum health of the organism.	1	21,207
HEALTH & HUMAN SVC, DEPT-NIH-FED	Pramila Walpita	Department of Tropical Medicine, Medical Micro and Pharm	Vaccine Potential of Nipah virus-like Particles	Our work in the laboratory and in mice has shown for the first time, the potential of virus-like particles (VLPs) as vaccine to prevent Nipah virus (NiV) disease. Next, this vaccine needs to be tested in an animal model of NiV disease as proposed here. The significance of this innovative research is that the knowledge gained from these studies will open up possibilities for developing VLP vaccines for other paramyxoviruses including those of public health concern worldwide, such as respiratory syncytial virus, for which vaccines have remained elusive for decades.	1	346,739
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Brenda Hernandez	Cancer Etiology	An Assessment of the Prevalence of Human Papilloma Virus Infection in Historically Collected Head and Neck Cancer Tumor Tissues	This study will compare chromosomal alterations among HPV negative and positive tonsillar tumor sections maintained by the Hawaii Tumor Registry Residual Tissue Repository.	1	3,712

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HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Patricia Susana Lorenzo	Natural Products	Ras Activation Pathways in UVR-Induced Epidermal Transformation	Investigate the participation of a Ras activator in UV radiation-induced skin tumorigenesis to validate a chemopreventive interventions in non-melanoma skin cancer.	1	33,000
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Patricia Susana Lorenzo	Natural Products	Regulation of Tumor Promotion by RasGRP1	Investigate the mechanisms of RasGRP1 participation in skin carcinogenesis and the cooperation with oncogenic Ras.	1	66,931
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CANCER INST	Patricia Susana Lorenzo	Natural Products	Regulation of Tumor Promotion by RasGRP1-Research Supplements to Promote Diversity in Health-Related Research	Investigate the mechanisms of RasGRP1 participation in skin carcinogenesis and the cooperation with oncogenic Ras. This is a supplemental to support the graduate student Lauren Fonseca (Native Hawaiian).	1	7,732
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DRUG ABUSE	Linda Chang	Department of Medicine	Factors for Enhanced Neurotoxicity in Methamphetamine Abuse and HIV Infection	This program will support career development of students and junior investigators new to research on drug abuse and HIV. They will develop their laboratory skills, and apply these skills to the study of mechanisms that confer vulnerability to neurotoxicity with methamphetamine abuse and HIV infection. Factors include oxidative stress and ApoE4 polymorphism.	1	25,888
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ON AGING	Philip Williams	Department of Chemistry	Capture the Inhibitor: Affinity Approaches to the Discovery of Secretase Leads	Marine Alzheimer's drug discovery	1	252,212

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HEALTH & HUMAN SVC,DEPT-NIH-FED NTL INST CHLD HLTH&HUM DEV	William Steven Ward	Department of Anatomy, Biochemistry, and Physiology	Contribution of Sperm Nucleus to Paternal DNA Replication	<p>The mammalian sperm cell offers a unique opportunity to understand the principles of molecular inheritance beyond the genetic code, and this knowledge has a direct bearing on human assisted reproduction practices. The compact sperm chromatin is devoid of virtually all enzymatic machinery associated with normal cellular processes, and only maintains the epigenetic and genetic components that are necessary to mediate inheritance. The hypothesis which we propose to test in this application is that in addition to the fathers DNA the sperm nucleus provides molecular components that are essential for the proper initiation and regulation of paternal DNA replication. Without these elements, our published data suggest that the paternal DNA would never be replicated, and embryonic development would not be possible. Significance: In this era of increased ART, more and more human embryos that will become children undergo this first, defining round of DNA synthesis in vitro after clinical manipulation of the gametes. We understand how to keep the DNA intact during gamete storage, but we do not know what parameters are necessary to maintain proper origin recognition sites. There are also important biological implications as the mammalian one-cell embryo is a particularly suitable model for understanding how cells demarcate and license DNA replication origins. DNA replication mechanisms are also important targets for many human diseases. The molecular machinery for the initiation, control, and completion of the complicated process by which the 6 billion base pairs of mammalian DNA is replicated is now well understood. Each origin of replication is licensed by the binding of series of proteins, beginning with the origin recognition complex (ORC) made up of six proteins, ORC1L ORC6L. When licensed origins enter S-phase, another host of proteins associate in a specific manner to eventually recruit DNA polymerases.</p>	1	11,574

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				Licensing ensures that each component of the entire		

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED SEA GRANT COLL PGM	Maria Chloe Haws	Sea Grant College Program	Expanding and Diversifying Near-shore Mariculture in Hawaii and the U.S. Affiliated Pacific Islands Through Resolution of Regulatory, Technical and	This work continues efforts to expand and diversify Hawaii's and the U.S. Affiliated Pacific Islands' aquaculture to provide jobs, increase food security and improve the regulatory and planning process for aquaculture development. First, work will continue to overcome regulatory obstacles that prevent Hawaii from developing its bivalve shellfish aquaculture industry, primarily related to shellfish sanitation. Secondly, we will partner with a wide range of private and public sector partners to continue work to streamline and clarify the permitting process for restoring and managing traditional Hawaiian fishponds, which represent prime coastal aquaculture sites, but which cannot be fully utilized due to regulatory difficulties. Thirdly, a selected range of research activities will be executed to overcome biological and technical obstacles related to improving the efficiency of bivalve aquaculture. These include testing methods of reducing predation, designing a floating upwelling system (FLUPSY) appropriate for local conditions to allow for nursery culture of bivalve spat, and designing an oyster breeding program specific to Hawaii conditions. Additionally, a bivalve shellfish development plan that encompasses aquaculture, restoration and water quality mitigation will be researched and developed. The fourth component is to develop a GIS database that compiles previous research results, including cultural aspects, on traditional Hawaiian fishponds.	1	91,037

DOD-Department of Defense

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-AIR FORCE	David Lassner	Office of the VP for Information Tech/Chief Info Officer	Operations and Management of the Maui High Performance Computing Center	Cost reimbursement award term contract for research development, operations and management of the Maui High Performance computing Center	1	50,000
DEFENSE, DEPT-DEPUTY UNDR SECRETARY OF DEF	David Lassner	Office of the Vice President for Research	Managing Partner of Pacific Disaster Center	To support the evolvement of the Pacific Disaster Center into a public-private partnership benefiting from shared responsibilities and assistance from the Department of Defense and PDC with its internal management, administration, and development of concepts.	1	20,207
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Tim Li	Department of Meteorology	Analysis and High-Resolution Modeling of Tropical Cyclogenesis during the TCS-08 and TPARC Field Campaign	To investigate tropical cyclone genesis mechanism with cloud-resolving models and conduct data assimilation during TCS-08 observational campaign period	1	50,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	William Lawrence Ditto	College of Natural Sciences	Development and Applications of Nonlinear Dynamics Based Synthetic Computation	This work involves understanding the underlying mechanisms of how chaotic systems generate computer instruction sets which lead to improved morphable chaotic computer architectures.	1	20,000

DOE-Dept of Energy

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENERGY, DEPT	Sven E Vahsen	Department of Physics and Astronomy	Participation in the Belle and Belle II Experiments at the Intensity Frontier	Analyze data from Belle experiment at KEKB collider in Japan, lead SuperKEK beam commissioning efforts in preparation for Belle2, and develop a novel Directional Dark matter Detector with electronic charge readout.	1	103,000

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	David Ho	Department of Oceanography	Determination of Large-Scale Hydrodynamics of DECOMP Physical Model with SF6 Tracer Release Experiments	SF6 tracer release experiments will be used to study the large scale water movement in the DECOMP Physical Model region of the Everglades.	1	68,476

Foreign

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICAN SAMOA, GOVERNMENT	Christopher Lepczyk	Natural Resources and Environmental Mgt	Tahiti Petrel (<i>Pseudobulweria rostrata</i>) abundance, distribution and predation risk	The project seeks to conduct surveys and address basic ecological questions of Tahitian Petrels in American Samoa.	1	88,643
China Meteorological Administration	Feifei Jin	Department of Meteorology	A Joint Project on the Assessment of the Second-Generation Short-Term Climate Prediction Model of BCC	<p>A Joint Project on the Assessment of the Second-Generation Short-Term Climate Prediction Model of BCC</p> <p>PI: Fei-Fei Jin, Dept. of Meteorology, SOEST, University of Hawaii at Manoa</p> <p>Co-PI: Bin Wang, Dept. of Meteorology and IPRC, SOEST, University of Hawaii at Manoa</p> <p>Project period: Dec.1, 2012, Nov 30, 2014</p> <p>Project Funding Source: Chinese Meteorological Administration (CMA)</p> <p>Project Summary</p> <p>A research team, which includes Chinese meteorologists of Beijing Climate Center (BCC) and a number professors and researcher at the Department of Meteorology in University of Hawaii (MET/UH) has successfully obtained a special project with funding from CMA for a three-year collaborative study from 2012 through 2014. The objective of the project includes two primary aspects. The first is to conduct a comprehensive assessment of the Second-Generation Short-Term Climate Prediction Model of BCC in its capability of simulating and predicting the major climatic variability of severely weather of and climatic impacts over the East-Asian, including the Asian summer monsoon, El Niño and southern oscillation (ENSO) and Madden-Julian oscillation (MJO). The second, based on the assessment, is to provide recommendations and to develop feasible techniques to improve the model s performance in short-term climate simulation and prediction.</p>	1	348,863

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GUAM, UNIVERSITY OF	Brenda Hernandez	Cancer Etiology	The Influence of Areca (Betel) Nut Chewing on the Oral Microbiome in Micronesia	Oral cancer may be caused by areca nut chewing even in the absence of tobacco and other additives to the betel quid. Investigators within the U54 partnership have appropriately focused on behavioral, clinical, and laboratory studies of oral carcinogenesis associated with areca nut use. In this application, we will complement and extend ongoing research within the U54 through an analysis of the oral microbiome among 10 long-term areca nut chewers with leukoplakia, as well as 50 long-term areca nut chewers and 50 matched non-chewer controls with no evidence of oral disease. We hypothesize that bacteria and viruses are intimately involved in the process of oral carcinogenesis associated with areca nut use.	1	50,191
INSTITUTE GEOLOGICAL & NUCLEAR SCIENCES (NZ)	Bruce Houghton	Department of Geology and Geophysics	Hazards Platform - Social Science and Natural Hazards Themes		1	76,500
Korea University Research and Business Foundation	Samir Khanal	Molecular Biosciences and Bioengineering	Global Mapping of N2O Emission from Aquaculture and its Implications to Climate Change: Fate of N2O in Water Recirculating Aquaponic Systems	This project is being funded by National Research Foundation of Korea for International research collaboration on aquaculture and climate change. University of Hawaii at Manoa is working closely with Korea University and Columbia University.	1	22,500
RURAL DEVELOPMENT ADMINISTRATION	Yong-Soo Kim	Human Nutrition, Food and Animal Sciences	Improving the efficiency of pig production by enhancing muscle satellite cell proliferation using myostatin-based biotechnology	The project aims to development large-scale production of bioactive myostatin-suppressing molecules (pig myostatin prodomain, extracellular domain pig activin typeIIB receptor (ActRIIB-ECD), pig follistatin) in E. coli and yeast systems and to examine their potencies to suppress myostatin activity. Large scale production of pig myostatin prodomain, extracellular domain pig activin typeIIB receptor (ActRIIB-ECD), pig follistatin in E. coli. Examination of the biostability of the above inhibitors in plasma and muscle homogenates	1	150,000

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GARDEN ISLE RESRCE CONSERV & DEVELOPMENT, INC.	David Duffy	Department of Botany	Effects of Weed Control on Kauai's Endangered Birds		2	4,175
HAWAIIAN ELECTRIC COMPANY	Denise Konan	Social Science Research Institute	Informing Smart Customer Load (I-Smart)	UHERO will characterize load usage, load response capability and customer behavior. Using historical and existing conservation and energy efficiency data as well as end use data, UHERO will analyze and model behavior to inform smart customer load management programs.	1	64,244
KAMEHAMEHA SCHOOLS	Anne Spencer Leineweber	School of Architecture	Matsumoto Phase Two: Design Review / Matsumoto Phase Three: Condition Evaluation at Iwa Gallery and Aoki Store	Phase Two: Review of Design drawings for compliance with Historic Preservation Requirements. Phase Three: Review of conditions at two building in the historic Haleiwa area to be Historic Preservation Requirements.	1	23,000

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-EXEC OFF AGING-HI	Bum Jung Kim	School of Social Work	Alzheimer's Disease and Related Dementias (ADRD) Task Force Project	To research and develop a data collection system for the Hawaii Executive Office on Aging and its Alzheimer's Disease and Related Dementia Task Force	1	50,000
HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Valli Kalei Kanuha	Sociology (UH Manoa)	CBCAP-DOH UH Prevention Plan (Phase 4)	SCOPE OF WORK 1. Continue Data Collection and Analysis from Phases 1-3 2. Preliminary draft plan and continued implementation of Community Engagement Process	1	35,745
HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Valli Kalei Kanuha	Sociology (UH Manoa)	CBCAP-DOH UH Prevention Plan (Phase 5)	SCOPE OF WORK 1. Continue Data Collection and Analysis from Project Phases 1-4 2. Final Data Collection and Results of Community Engagement Process Incorporated into the Plan	1	48,906

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HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Valli Kalei Kanuha	Sociology (UH Manoa)	CBCAP-DOH UH Prevention Plan (Phase 6)	SCOPE OF WORK 1. Integration of all Data Collected from all Project Phases 2. Complete Draft and Submit Final Plan	1	22,349
HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Valli Kalei Kanuha	Sociology (UH Manoa)	CBCAP-DOH UH Prevention Plan (Phase III)	SCOPE OF SERVICES REPORT OF SURVEY OF OFFICIAL SERVICE PROVIDERS AND KEY INFORMANT STAKEHOLDERS CHILD ABUSE AND NEGLECT STATEWIDE PREVENTION PLAN--Phase 3--SCOPE OF WORK 1. Data Collection--II a. Collect data from second-final 50 percent of service providers and key informants b. Analyze all data collected 2. Discussion and Review of Study Data and Analysis a. Convene meeting of advisors to review and discuss data and analysis--2013--3. Final report of service provider and key informant study with recommendations for community participatory engagement and development of final CAN prevention plan in 2013.	1	47,000
HEALTH, DEPT-HAZARD EVAL & EMERGENCY RESPONSE	Raymond S. Uchida	Agricultural Diagnostic Service Center	Characterization of Hazardous Substances	The identification of unknown chemical substances is an important part of the response to spills and other incidents around the State. Our program is in charge of categorizing and, when possible, identifying those unknown chemicals so treatment and mitigation of the sites can take place.	1	114,312
HUMAN SERVICES, DEPT- HI Benefits, Employment & Support Services	Sarah CW Yuan	Center on the Family	HMIS Analysis and Dissemination Project	Data analysis of homeless in Hawaii and preparation of reports for wide dissemination.	1	41,160
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Hono O Na Pali Natural Area Reserve	Protect and manage native species in the Hono O Na Pali natural area reserve on Kauai, with special consideration to the endangered Newell's Shearwater and Hawaiian Petrel.	1	129,675
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Natural Area Reserve Management: Natural Area Reserves Project Coordinator	Research and manage endangered species in their protective habitats in the state's natural area reserves with a focus on the native ecosystem and species diversity.	1	60,000

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LAND & NATURAL RES, DPT-FORST (DLNR)	Nellie C Sugii	Lyon Arboretum	Plant Restoration and Enhancement Project: Mid-Elevation Rare Plant Facilities	Conservation of rare Hawaiian plants by using genetic management, propagation, seed storage and species restoration to increase and stabilize populations.	1	80,000
TRANSPORTATION, DEPT- HI	Phillip Ooi	Civil and Environmental Engineering	Slope Instrumentation and Development of a Landslide Warning System	Scope includes (1) purchasing and installing monitoring instruments for two slopes on Oahu; (2) collecting and analyzing data to feed a model; and (3) using model and data to develop a landslide warning system.	1	531,000

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION (HCF)	Angela Sy	Department of Nursing	One Strong Ohana	<p>Purpose of Contract: 1. Conduct process evaluation activities of the Hawaii Children's Trust Fund "One Strong Ohana" (OSO) public awareness campaign in order to: * Document promising practices in area of child abuse and neglect (CAN) prevention and awareness building activities * Make recommendations for future programming in the area of CAN prevention and awareness building activities Areas to be evaluated are: * The background and process leading to the decision to pursue a CAN prevention public awareness campaign. * The planning process to develop and implement the OSO campaign. * Activities leading up to and throughout the implementation of the OSO campaign. * The extent that both public awareness on CAN and the community collaborations have been sustained from the OSO campaign will be evaluated and documented. Analysis of existing community wellness data to document and make recommendations for priority areas as related to future CAN campaign activities. 2. Continue outcomes evaluation data gathering and analysis for period 8/16/12 through 12/31/12 (outcomes evaluation design and initial data gathering/analysis begun under contract with the Bennet Group).</p>	1	19,400

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HAWAII COMMUNITY FOUNDATION (HCF)	Floyd Reed	Department of Biology (Biology Program)	Engineering underdominance in <i>Culex quinquefasciatus</i> .	There was intensive research in the decades following Curtis' (1968) proposal to use underdominance to engineer the properties of insect populations. However, these early approaches ultimately failed to produce stocks with useful fitness properties to transform wild populations. The reasons for this are still not fully understood, but are likely to stem from the genetic engineering methods available in the past--creating single-event translocations using mutagenic chemicals or radiation (Boussy 1988). However, with new molecular genetic technologies it is possible to engineer underdominance with alternative means (e.g. Davis et al. 2001). We have successfully engineered underdominance in fruit flies that has desirable fitness properties for population transformations. Furthermore, this system was designed to be readily portable to a wide range of eukaryotic species. The next logical step in this process is to engineer underdominance in a mosquito, <i>Culex quinquefasciatus</i> , that is a vector of avian malaria and responsible for the endangerment of many endemic Hawaiian bird species. If successful, this could pave the way for transforming wild mosquito populations to be refractory to Plasmodium transmission, and has clear implications for future applications related to human health and welfare beyond the near term conservation applications.	1	50,000
HAWAII COMMUNITY FOUNDATION (HCF)	Jinzen Yang	Human Nutrition, Food and Animal Sciences	Role of bone morphogenetic protein 11 in musculoskeletal formation and development		1	49,000
HAWAII COMMUNITY FOUNDATION (HCF)	Tom Humphreys	Institute for Biogenesis Research	What can we learn about regenerative medicine from a Hawaiian marine worm?	stem cell reprogramming genes in hemichorates	1	48,000

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HAWAII COMMUNITY FOUNDATION (HCF)	Yukiko Yamazaki	Department of Anatomy, Biochemistry, and Physiology	Effect of follicle architecture on establishment of methylation imprints in mouse oocytes	We developed three-dimensional (D) ovarian culture system as a tool to support fertility preservation of cancer patients. We will analyze effect of follicle structure on establishment and maintenance of genomic imprint in the oocytes grown in the three-D or two-D ovary culture.	1	49,000
OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)	Maria Chloe Haws	Pacific Aquaculture and Coastal Resources Ctr	Culturing native species of macroalgae in Hawaii and the U.S. Affiliated Pacific Islands		1	26,045
OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)	PingSun Leung	Natural Resources and Environmental Mgt	Assessing Hawaii's Aquaculture Farm and Industry Performance	This proposed research will evaluate the economic performance of the aquaculture industry and its sub-sectors with respect to its profitability and efficiency/productivity using the census of Agriculture data for the years 1997, 2002 and 2007.	1	19,722
PACIFIC HEALTH RESEARCH & ED INSTITUTE	James Spira	Department of Psychiatry	Transitioning the Defense Automated Neurobehavioral Assessment (DANA) to Operational Use	This effort will help prepare and transition the NCAT into operational military use, as well as prepare DANA (Defense Automated Neurobehavioral Assessment) for use in clinics. The goal of DANA is to assist first- and second-line providers in determining type of impairment, level of functioning, and to track recovery.	1	28,967
Pacific Island Health Officers Association	Kristine Qureshi	Department of Nursing	CBPR for QA Across the USAPI Health System		1	60,725
UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	Kudo Chair	Faculty salary and fringe benefits for the Kudo Chair of Law	1	60,000
UNIVERSITY HAWAII FOUNDATION	Eva Ponte	Institute for Teacher Education	Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT)	The purpose of this research is to document the preparation and examine the implementation of family engagement (FE) elementary teacher professional development modules as part of the Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT) project.	1	39,000
UNIVERSITY HAWAII FOUNDATION	Mark Hixon	Department of Biology (Biology Program)	Hsiao Endowed Chair		1	62,155

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UNIVERSITY HAWAII FOUNDATION	Peter Crouch	College of Engineering	Engineering Research Initiative		1	42,500
UNIVERSITY HAWAII FOUNDATION	Richard Allsopp	Institute for Biogenesis Research	Castle Research Associate	Provides funds to expedite purchases of supplies, travel, and to support the general research work of Dr. Richard Allsopp.	1	3,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ARGONNE NATIONAL LAB	Gary Varner	Department of Physics and Astronomy	Development of Application Specific Integrated Circuits for the Large Area Photodetector Development Project	Continuation of the design, fabrication, evaluation, integration and assessment of fast, large-format photodetector integrated readout electronics.	1	20,000
JET PROPULSION LAB-JPL	Norbert Schorghofer	Institute for Astronomy	Smart Search and Change Detection	The principal investigator will contribute his expertise with various landmark types, access and select images to test on, aid in the organization of the landmark catalog, provide feedback on the system as it scales and matures, and help publish and results to the scientific community.	1	6,891
JET PROPULSION LAB-JPL	Robert Jedicke	Institute for Astronomy	Asteroid Retrieval Mission Analysis	Detailed simulations are required to obtain a realistic estimate of the expected ATLAS and PanSTARRS2 discovery rates for small Earth approaching objects in orbits where the objects are either easily retrievable by robotic spacecraft or easily accessible for human exploration (or both).	1	25,063
Proxemy Research	Sarah Fagents	Hawaii Institute of Geophysics and Planetology (HIGP)	Quantitative Studies in Planetary Volcanology	Under the subcontract to be awarded to UH by Proxemy Research, PI Fagents will carry out calculations pertaining to the statistical mechanics approach to the settling of volcanic particles in the atmospheres of Mars and Earth.	1	5,850
SPACE TELESCOPE SCIENCE INSTITUTE	R Tully	Institute for Astronomy	Exposing the Maffei Group	The goal of this program is to determine distances to galaxies in the Maffei Group through measurements of the luminosities of stars at the Tip of the Red Giant Branch (TRGB).	1	66,722

Mainland- Health Organizations

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Children's Hospital of Philadelphia	Robert Wilkinson	Clinical Sciences	NIH COG Chair Grant (U10CA098543)	UH will be conducting cooperative cancer trials for pediatric patients, supported by an NCI grant, U10CA098543.	1	18,000

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Conservation International - Hawaii Fish Trust	Alan Friedlander	Department of Zoology	Integrating Local Ecological Knowledge for Community-based Fishing Moon Calendars		1	49,062

National Aeronautics and Space Administration

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NATIONAL AERONAUT & SPACE ADM	Peter Isaacson	Hawaii Institute of Geophysics and Planetology (HIGP)	Remote Sensing of Primitive Magmatic Products in the Lunar Crust: New Insights into Lunar Thermal and Chemical Evolution		1	99,880

National Science Foundation

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NATIONAL SCIENCE FOUNDATION	David Beilman	Geography (UH Manoa)	Collaborative Research: Response of Carbon Accumulation in Moss Peatbanks to Past Warm Climates in the Antarctic Peninsula		1	186,545
NATIONAL SCIENCE FOUNDATION	Frederick Kazman	Department of Information Technology Management	SHF: Medium: Collaborative Research: An Economics-Based Framework for Assessing Software Modularization Decisions	Our research goal is to provide a scientific foundation for explicitly manifesting the economic implications of software modularization activities so that the costs and the benefits of such activities can be understood, analyzed, and predicted in a way that is amenable to both engineers and managers.	1	147,274
NATIONAL SCIENCE FOUNDATION	James Cowen	Department of Oceanography	Collaborative Research: Completing single- and cross-hole hydrogeologic and microbial experiments: Juan de Fuca Flank		1	19,105

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NATIONAL SCIENCE FOUNDATION	Lyle Campbell	Department of Linguistics	Collaborative Research: Endangered Languages Catalog (ELCat)	Preparation of a catalogue, database, and website for endangered languages of the world, collecting and correcting information on endangered languages: their location, number of speakers, classification, need for linguistic documentation.	1	10,544
NATIONAL SCIENCE FOUNDATION	Magdy Iskander	Hawaii Center for Advanced Communications	Microwave Stethoscope for Monitoring Vital Signs and Changes in Lung Water Content	The objective of the proposed work is to participate in the NSF Innovation Corps Team Program for future commercialization of the Microwave Stethoscope	1	50,000
NATIONAL SCIENCE FOUNDATION	Miriam Stark	Department of Anthropology	POLITICAL ECONOMY AND STATE FORMATION OF PRE-ANGKORIAN CAMBODIA: A VIEW FROM THALA BORIVAT		1	22,652
NATIONAL SCIENCE FOUNDATION	Peter Berkelman	Mechanical Engineering	CAREER: High Fidelity Haptic Interaction using Large Range of Motion Magnetic Levitation Systems for Medical Applications	(1) Developing novel magnetic levitation with large ranges of motion, and fast and accurate position and force control, (2) developing interactive simulations with the maglev systems for surgical simulation and physical rehabilitation, (3) evaluating the realism and effectiveness of the interactive systems.	1	99,609

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Reza Ghorbani	Mechanical Engineering	<p>AI: Collaborative Research: A Novel Intelligent Grid Optimization Architecture Using Hierarchical Multi-Agent Framework for Modern Sustainable Power</p>	<p>Overview: We propose a novel grid optimization architecture which is high-performance, distributed (low cost) and intelligent that balances supply and demand in real-time over multiple levels of the electric utility grid, incorporating weather, dispatch economics, and grid reliability requirements. This novel grid architecture will involve linked power flow optimization routines across a three-layer hierarchy of power grid: circuits, substations, and the transmission grid. Approximate Dynamic Programming (ADP) methods joined with Dynamic Stochastic Constraint Optimal Power Flow (DSCOPF) is developed to meet the requirements of dispatching unit portfolios with different objectives at different layers of hierarchy. The proposed architecture accommodate high in feed of distributed resources, provide a low cost solution to exponential increase in decision and grid state variables and most importantly allow the grid operator to dispatch the generation schedule for low bidding margin, including both supply and demand elasticity.</p> <p>Research Objectives: 1. Design and test the architecture on a close to real-life model of power grid with multiple transmission lines (including conventional generation and storage to manage supply side), substations (each including distributed wind generations and energy storage) and circuit level dynamics based on demand response. 2. Detail design and develop (on real-time simulation platform) the proposed distributed grid optimization and control architecture that can be implemented in real-time on a less</p>	1	315,508

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				<p>proprietary basis. 3. Demonstrate the added value of the proposed method to power industry using real data from Maui Smart Grid Project and Big Wind study and showcase different implementation scenarios.</p> <p>Intellectual Merit: The key merit of this proposal is the ability of the global grid optimization, on less proprietary basis through implementing approximate dynamic programming based controllers and massively distribute</p>		

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Qing Xiao Li	Molecular Biosciences and Bioengineering	2011 IR4 Western Regional Food Use Field Trial Analytical Program	Analyze residues of NAA on Pomegranate for 4 trials in compliance with good Laboratory Practice Standards (GLPs) and signed study protocol on file with IR-4 Headquarters. The technical report will be submitted to IR-4 Headquarters at Rutgers University, New Jersey via IR4 Western Region, University of California.	1	14,000
City University of New York	Marcus Tius	Department of Chemistry	Lithium Carbenoids and Related Species: Structure and Reactions	The proposal is to prepare a series of vinyl lithium carbanions and to examine their spectroscopic properties by low temperature ¹ H, ¹³ C and in some cases ¹⁹ F NMR.	1	12,000

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
JOHNS HOPKINS UNIVERSITY	Elizabeth Mcfarlane	Office of Public Health Studies	National Children's Study Health Disparities Formative Research	<p>The National Childrens Study (NCS) is a multi-year research study that will examine the effects of environmental influences on the health and development of more than 100,000 children across the United States, following them from before birth until age 21. With dramatic demographic changes in the population of children and families in the U.S., it is incumbent on the National Childrens Study to accurately measure disparities in regard to race, ethnicity, discrimination, health literacy, and access, utilization, and quality of health services. It is also critical to have valid measures that are appropriate for families who may not speak English, have low health literacy and are from diverse backgrounds. The purpose of this National Childrens Study (NCS) formative study is to assess the validity and stability of measures of health literacy, discrimination, parenting self-efficacy, and health care access, utilization, and quality among diverse populations in the United States for inclusion in the NCS. This formative study will involve 4 other sites (UCLA, UMiami, JHU, UCIrvine) who will be recruiting patients. Johns Hopkins University is the lead institution.</p> <p>The University of Hawaii team will recruit 100 primipara pregnant women (pre/post birth interviews) and 190 parenting women (1x interview) to complete primary data collection designed to inform measure development, and validity and stability, of the measures in a large, diverse sample of women as one of four NCS sites in the United States. The collaborating NCS sites in California, Florida, Hawaii, and Maryland provide diverse populations for achieving the study aims. Demographically these study sites have high concentrations of African American (AA) Black, Latino/Hispanic, Asian and Pacific-Islander (AAPI) families. The Hawaii team will engage the Asian and Pacific-Islander and white families to assess content, criterion and</p>	1	102,535

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				construct validity of measures and adapt measures as necessary. Once developed, thes		
LANGUAGE LEARNING PGM-UNIV MICHIGAN	William O'Grady	Department of Linguistics	Individual Differences in Sentence Processing: Statistical Learning and Language Performance by Korean Learners of English		1	1,995
MINNESOTA, UNIVERSITY OF	Loic Le Marchand	Cancer Etiology	Mechanisms of Ethnic Differences in Lung Cancer Due to Cigarette Smoking	This study will examine genetic factors for ethnic differences in the metabolism of nicotine and tobacco carcinogens and its relation to the risk of lung cancer.	1	276,124
Research - Total					74	5,311,851

Non-Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Agriculture, Dept - Animal and Plant Health Inspection Service	Charles Kinoshita	Office of The Assoc Dean for Academic and Student Affairs	Hawaii AgDiscovery Program	Hawaii AgDiscovery Summer Training Program for High School Students.	1	42,000
Agriculture, Dept - Animal and Plant Health Inspection Service	David Duffy	Department of Botany	Slowing the spread of invasive ants by educating small-scale plant vendors		1	41,714

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DIAB DIG KIDN DIS	George Hui	Department of Tropical Medicine, Medical Micro and Pharm	High School Students Step-Up to Biomedical Research	Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.	1	13,335
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Patricia Couvillon	Pacific Biosciences Research Center	Minority Access to Research Careers	The grant will support the research training and academic preparation of honors-level underrepresented minority students in the biological and behavioral sciences to facilitate their entry into Ph.D. programs	1	299,392

DOD-Department of Defense

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NATIONAL SECURITY AGY	Cynthia Ning	Center for Chinese Studies	Hawaii Chinese Language Student Camp	STARTALK-Hawaii will recruit 24 middle school students locally and nationally, and in a 3 week innovative Chinese language residential program led by four lead instructors and 15 teacher trainees, immerse them in a four-skills program in Mandarin Chinese, imparting as much instruction as once college semester.	1	99,918
DEFENSE, DEPT-NATIONAL SECURITY AGY	Cynthia Ning	Center for Chinese Studies	Hawaii Chinese Language Teacher Training Institute	STARTALK - Hawaii will recruit 15 teacher trainees both locally and nationally and in a 3.5 week program that involves training in principles and theory as well as a practicum in the concurrent Student Camp, build teacher skills, knowledge, and confidence in teaching Chinese language following a standards-based format.	1	76,683
DEFENSE, DEPT-NAVY	James Goodman	Chancellor, Leeward Community College	LeeCC/NIOC ICS111,141,212 and ICS294 3-Credit Classes	This memorandum, entered into on June 28th, defines an agreement between the University of Hawaii - Leeward Community College and U.S. Navy Information Operations Command Hawaii (NIOC) under which LeeCC credit classes will be offered at LeeCC exclusively for NIOC students during the Fall 2011 semester.	1	26,772

ED-Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Ardis Eschenberg	Chancellor, Windward Community College	Hulili-A Collaborative Grant Between UH-Manoa and Windward Community College to Improve the Transfer and Success Rates of Native Hawaiian Students	UH Manoa (UHM) and Windward Community College (WCC) will collaborate to increase the number of Native Hawaiian (NH) students at WCC who transfer to UHM; number of NH students who receive a Bachelor's degree at UHM; and professional development opportunities for transfer students and NH serving faculty.	2	1,799,209

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Ardis Eschenberg	Chancellor, Windward Community College	Kakoo Koolau - Strengthening Student and Institutional Engagement at Windward Community College	Strengthening institutional engagement through more relevant and accessible academic offerings; and strengthening student engagement through improved access, early intervention, and innovative student support services. Both activities focus on increasing student persistence, retention, and graduation or transfer.	1	800,000
EDUCATION, DEPT-FED	Jonathon V McKee	Chancellor, UH Maui College	Native Hawaiian Serving Institution: Increase Native Hawaiian Success at University of Hawai'i Maui	Increase Native Hawaiian Success by increasing retention, persistence and graduation rates by providing peer tutoring and mentoring in a new Student Success Center, mandating a First and Second Year Experience for cohort participants and developing an Associate in Arts degree with an emphasis on Hawaiian Studies.	1	799,995
EDUCATION, DEPT-FED	Leon Richards	Chancellor, Kapiolani Community College	Title III, Strengthening a New Ecology of Engaged Teaching and Learning for student Success	Title III developmental grant to develop, assess and improve pathways to success in student services and academic programs.	1	477,215

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATL ENDOWMENT FOR THE ARTS	Richard Frank Stewart	Department of English	Manoa: A Pacific Journal of International Writing	Publication of an international literary journal twice a year.	1	10,000
United States Institute of Peace	Federico Magdalena	Center for Philippine Studies	Teaching Enriched History and Bridging Cultures: In Search of Peace in Mindanao, Philippines		1	118,510

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
RYUKYUS, UNIVERSITY OF	Spencer Kimura	William S. Richardson School of Law	University of Ryukyus Study Tour	Provide education and tour for students and faculty from the University of Ryukyus on the American Legal System.	1	10,000

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
'OHU'OHU KO'OLAU INC	Clifford	Department of	Koolau Mountains Watershed		1	68,500

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
	Morden	Botany	Restoration			

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KAMEHAMEHA SCHOOLS	Edward Cashman	Hawai'iiniuiakea School of Hawaiian Knowledge	University of Hawaii Manoa/Ka Papa Loi o Punaluu	<p>Provide cultural, educational and scientific learning experiences through interpretive tours and hands on practical tasks</p> <p>1 part time staff person to support curriculum development/assessment and community outreach education efforts in Koolauloa. Approximately 33% fringe per UHM requirement. This position will help coordinate visiting groups, implementation of curriculum, coordinating community work days, etc.</p> <p>Gas and equipment 1,000 Weed Wacker and weed wacker line 1,000 Maintenance of equipment 1,000</p> <p>9,000 is being requested to support 2 half time positions to assist and maintain site area and manage instructional groups. 18,000 is requested for long-term site and program planning, including support of KS CEI and campus programs. The site is also identified as a priority site for the KS LAD Punaluu Ahupuaa Plan, and is a traditional ag site for the KS Strategic Ag plan. According to 2009 Ka Papa Loi O Punaluu Quarterly reports, the average number is 330 per week. The duties of the contracted staff members will be to prepare site and materials for daily classes, maintain site, and assist in the managing of plant collection and assisting with instruction KS Summer program classes. These require trained, knowledgeable staff selected from upper level students at UHM Ka Papa Loi.</p>	1	65,000

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PACIFIC RADIATION ONCOLOGY INC	Susan Steinemann	Department of Surgery	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14-PRO-SURG	Agreement to provide medical education to students and residents in a clinical setting.	1	15,491
Palamanui Global Holdings LLC	John Morton	Office of the Vice President for Community Colleges	Palamanui Development Agreement Amendment 1	To provide capital improvements for Hawaii Community College - Palamanui	1	4,421,596

Hawaii- Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Ronald Takahashi	Culinary Arts (KCC)	21st Century Program and Team Nutrition	Provide education and training pertaining to nutrition programs in HIDOE schools.	2	120,648
EDUCATION, DEPT-HI	Terry Ann F Higa Tabije	Curriculum Research and Development Group	For the Provision of ARRA School Improvement Grant Evaluation Services 2012-13		1	55,000
EDUCATION, DEPT-HI	Vernon Vance Roley	Shidler College of Business	To Plan, Develop and Implement a Business and Marketing Plan Competition	To plan, develop and implement a business and marketing plan competition for Hawaii's high schools.	1	10,000

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-HI CIVIL DEFENSE	Dennis Hwang	Sea Grant College Program	Hawaii Boater's Safety Manual	Hawaii Boater's Safety Manual	1	50,000
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Alana D Steffen	Office of Public Health Studies	REACT: Enforcement of Underage Sales	Provide and conduct alcohol sales random sample survey program to retail outlets and liquor establishments.	1	177,000
HEALTH, DEPT-HI	Corilee Watters	Human Nutrition, Food and Animal Sciences	Sodium Reduction Project		1	12,000

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HIGH TECHNOLOGY DEVELOPMENT CORPORATION-HI	Clyde Sakamoto	Continuing Education and Training (UH Maui College)	HTDC SLIM Energy Intern Program 2013-2014	Under UHMC credit programs and Sustainability courses through the Sustainable Living Institute of Maui (SLIM), EdVenture, there exists a need to provide its students with opportunities to perform projects with practical applications in their chosen fields as well as to conduct applied research using data collection tools and methodologies learned during their course of study. Performance of projects in a real life setting will lead to better trained workforce for industry. At the same time, there exists a need by local small manufacturers to improve efficiency and eliminate waste in their processes in order to become sustainable over the long term.	1	40,000
HUMAN SERVICES, DEPT-HI	Carol Hoshiko	Office for Institutional Effectiveness	Vocational Instructions DHS-12-ETPO-568	KCC to provide vocational training to persons who receive temporary assistance for needy families. This award pays for tuition under the project title "first to work program.	1	26,400
HUMAN SERVICES, DEPT-HI	Grace Fong	Center on the Family	Learning to Grow Project, Supplemental 2	Project will develop, disseminate, and evaluate educational outreach programs and resource materials for families receiving child care subsidies from the State, with the aim of improving the quality of care provided to children, ages birth to five.	1	438,443
HUMAN SERVICES, DEPT-HI	Grace Fong	Center on the Family	Quality Care Program, Supplemental 1	The Quality Care Program will (a) develop the infrastructure for a Quality Improvement rating System for licensed center-based and home-based child care programs, (b) conduct and evaluate a pilot of the system, and (c) implement the Quality Care Program for Home-based Providers over a three year period.	1	1,357,838
HUMAN SERVICES, DEPT-HI	Naomi Kanehiro	Oahu County	Nutrition Consultation & Review	The goals of this project are to ensure that child care facilities not enrolled with the USDA food program are able to meet their nutrition related licensing requirements and also to provide nutrition consultation, training and technical assistance to licensed child care providers and licensing workers.	1	75,000

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HUMAN SERVICES, DEPT-HI	Susan Chandler	Social Sciences Public Policy Center	Wrap Services	<p>Project Summary Wrap Services Hawaii</p> <p>The College of Social Sciences Public Policy Center will:</p> <p>Continue to organize and facilitate activities to bring together and align the interests of the DHS, DOH, DOE, OYS and the Judiciary related to WRAP services;</p> <p>Continue to provide support and consultation to the work of the Wrap Interagency Coordinating Committee and its sub-committees;</p> <p>Encourage and support parent and youth input to the Wrap Interagency Coordinating Committee;</p> <p>Arrange for the continued facilitation of all Coordinating Committee meetings;</p> <p>Organize and facilitate a working group made up of the budget staff of the DHS, DOH, OYS, DOE, JUD and B&F, to develop a plan for implementing braiding and pooling funds for WRAP Services;</p> <p>This working group will complete a draft MOA and protocols for the design and implementation for sharing funding strategies and braiding funds for the youth in WRAP services;</p> <p>Assist in the development of a training curriculum with the partner agencies and EPIC, Inc. for staff in the partner agencies to learn about WRAP services, the elements of the wraparound process, the referral process and case management; culturally tailored practice, collaboration, trauma-informed care, and family engagement;</p> <p>Continue to provide consultation to the</p>	1	25,000

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				WRAP Services Pilot Coordinating Committee related to the implementation of the pilot project that has enrolled 10 youth in Hawaii WRAP Services and plan for expanded services when money becomes available.		
HUMAN SERVICES, DEPT-HI	Susan Miller	Center on Disability Studies/University Affiliated Pgms	Hawaii State Department of Human Services, Vocational Rehabilitation and Services for Blind Division (VRSBD)	Details in package attached in "proposal attachments"	2	192,000
HUMAN SERVICES, DEPT-HI Benefits, Employment & Support Services	Teresa Bill	Women's Center	Bridge to Hope Student Support	University of Hawaii will administer and provide campus employment opportunities to eligible TANF/TAONF First-to-Work students through its Bridge to Hope program on all University of Hawaii campuses state-wide.	1	548,656

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KAPIOLANI MED CTR FOR WOMEN & CHILDREN	Ivica Zalud	Department of Obstetrics, Gynecology and Women's Health	Faculty Support Agreement Fiscal Year 2014 - Agreement No. FSA14-KMCWC-OBGYN-MFM	Agreement to provide medical education to students and residents in a clinical setting.	1	186,395
KAPIOLANI MEDICAL SPECIALIST	Anthony Guerrero	Department of Psychiatry	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF14-KMS-PSYCH	Agreement to provide medical education to students and residents in a clinical setting.	1	174,302
PACIFIC IN VITRO FERTILIZATION INSTITUTE	Ivica Zalud	Department of Obstetrics, Gynecology and Women's Health	Faculty Support Agreement Fiscal Year 2014 - Agreement No. FSA14-PIVF-OBGYN-A	Agreement to provide medical education to students and residents in a clinical setting.	1	75,000
PACIFIC IN VITRO FERTILIZATION INSTITUTE	Ivica Zalud	Department of Obstetrics, Gynecology and Women's Health	Faculty Support Agreement Fiscal Year 2014 - Agreement No. FSA14-PIVF-OBGYN-B	Agreement to provide medical education to students and residents in a clinical setting.	1	45,000
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Elizabeth Tam	Department of Medicine	Reimbursement Agreement Fiscal Year 2014 - Agreement No. SF13-UCERA-MED	Agreement to provide medical education to students and residents in a clinical setting.	1	141,774

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CASTLE (HAROLD K L)	Gail Breakey	School of Social Work	Community Based Training for Child	is to conduct 5 one day community based	1	9,850

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
FOUNDATION			Welfare Services Providers	training sessions for personnel providing child welfare services on effectively intervening with families in the child welfare system		
TRI-ISLE RES CONSERVATION & DEV COUNCIL	Clifford Morden	Department of Botany	East Maui Watershed Partnership Environmental Interpretation Training Initiative		1	4,897
UNIVERSITY HAWAII FOUNDATION	Bronwen Solyom	Library (UH Manoa)	Jean Charlot Collection		2	6,269
UNIVERSITY HAWAII FOUNDATION	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Monsanto Fellowship Awards	Funding transferred from UH Foundation to ORS will be used for graduate student fellowships and research support	1	162,000
UNIVERSITY HAWAII FOUNDATION	David Karl	Department of Oceanography	Contemporary Challenges in Microbial Oceanography	To train the next generation of scientists in the discipline of microbial oceanography.	1	50,000
UNIVERSITY HAWAII FOUNDATION	Gina Nobrega	Hawai'iiniiakea School of Hawaiian Knowledge	Lamaku Na'auao (Knowledge Torch)		1	150,000
UNIVERSITY HAWAII FOUNDATION	Helen Cox	Chancellor, Kauai Community College	Ho'ouluwehi: The Sustainable Living Institute of Kaua'i programs	Funds for staffs salaries and fringe benefits	1	30,000
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Core to College Project	To pay for salary, fringe, and program costs for Core to College Grant.	1	139,081
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg Equity Model Expenditures	To pay for P-20 salary, fringe, and program costs.	1	68,131
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg P-3 Expenditures	To pay for P-20 salary, fringe and program costs.	1	121,425
UNIVERSITY HAWAII FOUNDATION	Mary G. McDonald	Center for Japanese Studies	Sen Soshitsu Student/Staff Support	To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.	1	7,000
UNIVERSITY HAWAII FOUNDATION	Miriam T. Stark	Department of Anthropology	SAE Archaeology Assessment	Total funding will be used to support workshop and assessment activities associated with Luce Foundation Initiative in E/SE Asian Archaeology. Amount listed in this ORS Form 5 is designated for hiring a student research assistant (wages+fringe) to assist in logistics, data analysis and dissemination of results.	1	5,936

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Peter John Mouginis-Mark	Hawaii Institute of Geophysics and Planetology (HIGP)	Denise B. Evans Fellowships in Oceanographic Research	This award will provide GAs to two graduate students supported by a gift from the Denise B. Evans account at the UH Foundation.	1	84,000
UNIVERSITY HAWAII FOUNDATION	Tung Bui	Shidler College of Business	Matson Navigation Company Chair of Global Business Education	<p>The purpose of the Matson Chair is to help the Shidler College of Business in its development as well as to help forge a meaningful link between the University and the business community.</p> <p>Shidler College of Business, in parallel to the University of Hawaii, has two major strategic thrusts. The first focuses on international business in the Asia-Pacific region and the second focuses on the impact of management or organizations and managers. The project will help sustain these strategies.</p>	1	33,097
UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Center for Korean Studies	Basic Institutional Needs	These funds will be used to pay for the Center for Korean Studies student assistants hourly pay.	1	20,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Biothera	Jared Acoba	Clinical Sciences	A Phase 3 Open-Label, Randomized, Multicenter Study of Imprime PGG in Combination with Cetuximasb (Erbixux) in Subjects with Recurrent or Progressive	Phase 3, open-label, randomized, multi-center study for subjects with recurrent or progressive KRAS WT colorectal cancers to determine efficacy of Imprime PGG with cetuximab vs cetuximab alone.	1	180,937
NATIONAL CENTER SCIENCE & CIVIC ENG	Robert Franco	Academic Affairs (KCC)	Keck Foundation grant SCEWestNet, NCSCE	Provide faculty development and science education reform opportunities.	1	4,000
Western Interstate Commission for Higher Education (WICHE)	Hae Okimoto	Office of the VP for Information Tech/Chief Info Officer	PAR Framework Implementation	The PAR Framework Implementation project uses de-identified student records from 16 post-secondary institution partners to create mechanisms for diagnosing causes of student loss in U.S. higher education and offer guidance to demonstrably improve student success at institutional levels.	1	100,000

Mainland- Non-Profit Organizations

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CASEY, ANNIE E., FOUNDATION	Ivette R Stern	Center on the Family	Hawaii KIDS COUNT 2012	Activities to support KIDS COUNT in 2012.	1	75,000
Conservation International - Hawaii Fish Trust	Michael Hamnett	Social Science Research Institute	Makai Watch Implementation	This project will create capacity to effectively implement the Makai Watch Strategic Plan. Funds will be used to develop guidance documents and a menu of approved rules for communities, as well as a framework for developing and reviewing marine resource rules that are part of community stewardship plans.	1	172,609
FORD FOUNDATION	Patricia Cooper	Graduate Education	Ford Fellowship - D. Compoc	Cost of education allowance for Ms. Kimberly Marie Compoc for the 2012-2013 academic year.	1	2,000
St. Baldrick's Foundation	Bruce Shiramizu	Department of Pediatrics	St. Baldrick's Foundation Summer Fellowship-Hawaii	St. Baldrick's Summer Fellowship will provide funding to support summer undergraduate fellow student to work on a pediatric-related oncology project.	1	5,000

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Aaron T Ohta	Electrical Engineering	REU Supplement: Microfluidic Devices for Tunable RF Communication Systems	Supplemental funding for two student stipends to participate in undergraduate research related to RF devices using microfluidics.	1	8,000
NATIONAL SCIENCE FOUNDATION	Monique Chyba	Department of Mathematics	SUPER-M: School and University Partnership for Educational Renewal in Mathematics	This request is for supplemental funding for an international component for John Marriott, a GK-12 fellow. The activities in this proposal will greatly advance John's Ph.D. research, provide education in the area of control theory, and further his understanding of K-12 issues by study of other educational systems.	1	571,471

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
WASHINGTON, UNIVERSITY OF	Douglas Luther	Department of Oceanography	Ocean Observatories Initiative - Regional Scale Nodes Project Scientist		1	50,000
Non-Research - Total					66	14,996,489

Gift, Grants, and Contracts for May 1, 2013 to May 31, 2013

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Overall - Total					140	20,308,340

Funds Received from UH Foundation for May 1, 2013 to May 31, 2013

Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Yung-Hee Kim	Center for Korean Studies	Basic Institutional Needs	These funds will be used to pay for the Center for Korean Studies student assistants hourly pay.	1	20,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	David Karl	Department of Oceanograph	Contemporary Challenges in Microbial Oceanography	To train the next generation of scientists in the discipline of microbial oceanography.	1	50,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Core to College Project	To pay for salary, fringe, and program costs for Core to College Grant.	1	139,081
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Peter John Mouginis-Mark	Hawaii Institute of Geophysics and Planetology (HIGP)	Denise B. Evans Fellowships in Oceanographic Research	This award will provide GAs to two graduate students supported by a gift from the Denise B. Evans account at the UH Foundation.	1	84,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Helen Cox	Chancellor, Kauai Community College	Ho'ouluwehi: The Sustainable Living Institute of Kaua`i programs	Funds for staffs salaries and fringe benefits	1	30,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Bronwen Solyom	Library (UH Manoa)	Jean Charlot Collection		2	6,269
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg Equity Model Expenditures	To pay for P-20 salary, fringe, and program costs.	1	68,131
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	Kellogg P-3 Expenditures	To pay for P-20 salary, fringe and program costs.	1	121,425
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Gina Nobrega	Hawai'inuiake School of Hawaiian Knowledge	Lamaku Na'auao (Knowledge Torch)		1	150,000

Funds Received from UH Foundation for May 1, 2013 to May 31, 2013

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Tung Bui	Shidler College of Business	Matson Navigation Company Chair of Global Business Education	The purpose of the Matson Chair is to help the Shidler College of Business in its development as well as to help forge a meaningful link between the University and the business community. Shidler College of Business, in parallel to the University of Hawaii, has two major strategic thrusts. The first focuses on international business in the Asia-Pacific region and the second focuses on the impact of management or organizations and managers. The project will help sustain these strategies.	1	33,097
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Monsanto Fellowship Awards	Funding transferred from UH Foundation to ORS will be used for graduate student fellowships and research support	1	162,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Miriam T. Stark	Department of Anthropology	SAE Archaeology Assessment	Total funding will be used to support workshop and assessment activities associated with Luce Foundation Initiative in E/SE Asian Archaeology. Amount listed in this ORS Form 5 is designated for hiring a student research assistant (wages+fringe) to assist in logistics, data analysis and dissemination of results.	1	5,936
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Mary G. McDonald	Center for Japanese Studies	Sen Soshitsu Student/Staff Support	To cover salary and fringe benefits - costs for students and staff support at the Center for Japanese Studies.	1	7,000

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Eva Ponte	Institute for Teacher Education	Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT)	The purpose of this research is to document the preparation and examine the implementation of family engagement (FE) elementary teacher professional development modules as part of the Activating Educators Focus on Family Engagement as Central to Teaching (AFFECT) project.	1	39,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Richard Allsopp	Institute for Biogenesis Research	Castle Research Associate	Provides funds to expedite purchases of supplies, travel, and to support the general research work of Dr. Richard Allsopp.	1	3,000

Funds Received from UH Foundation for May 1, 2013 to May 31, 2013

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Peter Crouch	College of Engineering	Engineering Research Initiative		1	42,500
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Mark Hixon	Department of Biology (Biology Program)	Hsiao Endowed Chair		1	62,155
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	Kudo Chair	Faculty salary and fringe benefits for the Kudo Chair of Law	1	60,000
Overall - Total						19	1,083,594

**Extramural Research Awards for the Month
May 1, 2013 to May 31, 2013
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	2	45,000	1%
DHHS-Dept of Health and Human Services	9	768,995	14%
DOC-Dept of Commerce	1	91,037	2%
DOD-Department of Defense	4	140,207	3%
DOE-Dept of Energy	1	103,000	2%
DOI-Dept of Interior	1	68,476	1%
Foreign	6	736,697	14%
Hawaii- Business and Other	4	91,419	2%
Hawaii- Government Agencies	11	1,160,147	22%
Hawaii- Non-Profit Organizations	14	557,514	10%
Mainland- Business and Other	5	124,526	2%
Mainland- Health Organizations	1	18,000	0%
Mainland- Non-Profit Organizations	1	49,062	1%
National Aeronautics and Space Administration	1	99,880	2%
National Science Foundation	8	851,237	16%
US Colleges and Universities	5	406,654	8%
Overall - Total	74	5,311,851	100%

**Extramural Non-Research Awards for the Month of
May 1, 2013 to May 31, 2013
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	2	83,714	1%
DHHS-Dept of Health and Human Services	2	312,727	2%
DOD-Department of Defense	3	203,373	1%
ED-Dept of Education	5	3,876,419	26%
Federal Agencies	2	128,510	1%
Foreign	1	10,000	0%
Hawaii- Business and Other	4	4,570,587	30%
Hawaii- Dept of Education	4	185,648	1%
Hawaii- Government Agencies	12	2,942,337	20%
Hawaii- Health Organizations	5	622,471	4%
Hawaii- Non-Profit Organizations	16	891,686	6%
Mainland- Business and Other	3	284,937	2%
Mainland- Non-Profit Organizations	4	254,609	2%
National Science Foundation	2	579,471	4%
US Colleges and Universities	1	50,000	0%
Overall - Total	66	14,996,489	100%

**Year to Date Extramural Research Awards
Jul 1, 2012 to May 31, 2013
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	29	7,599,456	4%
Dept of State	1	1,222,050	1%
DHHS-Dept of Health and Human Services	75	36,487,867	18%
DOC-Dept of Commerce	53	19,370,209	9%
DOD-Department of Defense	73	45,830,285	22%
DOE-Dept of Energy	9	5,864,014	3%
DOI-Dept of Interior	49	5,054,144	2%
ED-Dept of Education	4	1,348,081	1%
Federal Agencies	8	3,133,035	2%
Foreign	28	3,920,043	2%
Hawaii- Business and Other	24	1,473,596	1%
Hawaii- Government Agencies	124	17,843,895	9%
Hawaii- Health Organizations	6	805,960	0%
Hawaii- Non-Profit Organizations	73	4,998,296	2%
Mainland- Business and Other	65	3,581,913	2%
Mainland- Health Organizations	9	465,957	0%
Mainland- Non-Profit Organizations	24	1,346,613	1%
Miscellaneous	1	125,843	0%
National Aeronautics and Space Administration	76	14,048,190	7%
National Science Foundation	84	21,181,863	10%
US Colleges and Universities	94	9,755,753	5%
Overall - Total	909	205,457,063	100%

**Year to Date Extramural Non-Research Awards
Jul 1, 2012 to May 31, 2013
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	18	2,816,500	2%
DHHS-Dept of Health and Human Services	26	11,484,846	7%
DOC-Dept of Commerce	15	3,810,653	2%
DOD-Department of Defense	12	2,244,657	1%
DOI-Dept of Interior	10	264,833	0%
DOT-Dept of Transportation	1	124,784	0%
ED-Dept of Education	63	30,320,969	18%
Federal Agencies	16	21,122,253	12%
Foreign	33	6,534,294	4%
Hawaii- Business and Other	35	6,750,970	4%
Hawaii- Dept of Education	11	7,657,824	4%
Hawaii- Government Agencies	160	23,306,178	13%
Hawaii- Health Organizations	44	12,947,825	7%
Hawaii- Non-Profit Organizations	133	18,609,393	11%
Mainland- Business and Other	30	1,905,943	1%
Mainland- Health Organizations	5	162,024	0%
Mainland- Non-Profit Organizations	28	4,616,128	3%
National Aeronautics and Space Administration	7	1,479,628	1%
National Science Foundation	30	13,058,202	8%
US Colleges and Universities	37	3,504,341	2%
Overall - Total	714	172,722,245	100%