

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

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Adding Value and Controlling Pests and Diseases of Papaya	Develop and evaluate non-toxic, preferably biological-based, environmentally suitable technologies and processes for pest and disease control on papaya.	1	48,443
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Control of Minor Crop Pests and Diseases	The project approach is to address the development of economical and environmentally friendly pest management strategies for Hawaii's crops. Utilize traditional breeding techniques and genetic engineering to develop cultivars, including flowers and nursery plants that are resistant to pests, or exhibit improved novelty, production or quality.	1	48,905
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Detection and Mitigation of Invasive Plant Viruses	Develop and evaluate multidisciplinary biologically-based pest management technologies to reduce the impact of newly discovered or existing invasive plant viruses in Hawaii. Conduct research and outreach activities to minimize the impact of invasive viruses on Hawaii's agriculture.	1	13,182
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Kenneth Grace	College of Tropical Agriculture and Human Resources	Environmental Effects of Tephritid Fruit Fly Control and Management	The objective of this agreement is to develop, evaluate and transfer non-toxic, environmentally suitable and publicly acceptable technologies and processes for fruit fly pest management in order to enhance the production and interstate and international movement of Hawaiian agricultural commodities.	1	18,152
AGRICULTURE, DEPT, FOREST SVC-FED	Rachel Novotny	College of Tropical Agriculture and Human Resources	Children's Healthy Living Program for Remote Underserved Minority Populations in the Pacific Region	The project aims to train a public health nutrition work force, conduct public health nutrition research, communicate nutrition- & Health-related information, develop nutritional monitoring & surveillance systems & incur environmental policy change to promote active play & intake of healthy food to prevent young child obesity in the Pacific Region.	1	4,945,272

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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 NATL HEART LUNG & BLD INST	Olivier Le Saux	Department of Cell and Molecular Biology	The Role of ABCG6 in Chronic and Acute Cardiovascular Mineralization	The overall goal of this proposal is to address the role of ABCG6 in chronic and acute dystrophic calcification.	1	326,250
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ALLERGY/INF DIS	Jason Barbour	Department of Tropical Medicine, Medical Micro and Pharm	Decryption of KIR Genetics and Function in Early HIV-1 Infection	The Natural Killer (NK) cell is a rapid effector arm of the innate immune response. Active before T cell responses, NK cells play a critical role against HIV and are regulated by a network of surface regulatory molecules, key among them the polymorphic KIR (Killer Ig- like receptor).	1	648,529
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ARTH MUSC SKIN	Angel Yanagihara	Pacific Biosciences Research Center	Early Metazoan Nano-Collagens for Promotion of Wound Healing	The proposal describes plans to develop a navel biomaterial discovered in the Hawaiian box jellyfish as a wound healing accelerant	1	270,692
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	388,314
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DRUG ABUSE	Maria-Louisa Andres	Pacific Biosciences Research Center	Interaction of HIV-Tat and methamphetamine: Role of ion channels and epigenetics	This study investigates the interaction between HIV-tat protein and methamphetamine in inducing neurotoxicity. Specifically, we will study alteration of neuronal function through blockade of ion channels by APOE4 proteins and methamphetamine and how they may further contribute to HIV-tat induced toxicity in neurons.	1	136,700

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HEALTH&HUMAN SVC,DEPT-NIH-FED NTL INST NEURO DIS&STROKE	Kalpana Tata	Hawaii Center for Aids Research	Intrinsic Functional Connectivity Changes Associated with Insular Atrophy in HIV	HIV-associated neurocognitive disorders (HAND) remain a public health concern despite effective therapy. We have preliminary data on vulnerable regions of brain cortex (such as insula) and on subcortical gray matter structures. Using neuroimaging, we will study functional and structural connections among these brain regions to clarify the mechanisms underlying HAND.	1	217,137

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	E. Gordon Grau	Sea Grant College Program	University of Hawaii Institutional Proposal for Years 45 & 46 of the UH Sea Grant College Program	To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.	1	982,500

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Bruce M. Howe	Department of Ocean and Resources Engineering	Acoustic Seaglider: Philippine Sea Experiment	To deploy acoustic Seagliders in the Ocean Acoustics Deep Water experiment in the Philippine Sea in order to develop ways to improve tomographic resolution using a combination of fixed and mobile platforms, and powered autonomous undersea vehicles.	1	23,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Bruce M. Howe	Department of Ocean and Resources Engineering	Acoustic Seaglider: PhilSea10 Data Analysis	ONR proposal to analyze data from acoustic seagliders deployed in the Philippine Sea in 2010.	1	100,000

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DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Kwok Fai Cheung	Department of Ocean and Resources Engineering	Coupling of Coastal Wave Transformation and Computational Fluid Dynamics Models for Seakeeping Analysis	The proposed project will fill a gap in naval research by developing the capability to model vessel motions in the surf-zone. A systematic, nested-grid approach will link coastal wave modeling and computational fluid dynamics in a realistic, virtual ocean environment for seakeeping analysis. This involves extension of a coastal wave model to include a three-dimensional module for the surf zone processes and coupling with the RANS (Reynolds Averaged Navier-Stokes) solver of LS- DYNA for modeling of ship motions. Prior support from ONR Grants N00014-02-1-0903 and N00014-07-1-0933 has developed the capability to provide forecast and hindcast global wind, wave, and tide data and predict hydroelastic responses of marine vessel advancing in a seaway. Interface software will be developed to allow two-way information passage between the global wave forecast and hindcast system, the coastal wave model, and the RANS solver for site-specific applications from the open ocean to the surf zone. The proposed wave model package will be validated with wave data collected on the north shore of Oahu and laboratory data of the T-craft from the ONR NICOP project at Oregon State University (Grant No. N00014-11-1-0094).	1	22,000
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	60,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Tim Li	International Pacific Research Center (IPRC)	Toward Seamless Weather-Climate Prediction with a Global Cloud-Resolving Capable Model	To systematically evaluate the GFDL-HiRAM capability in predicting both short range weather and long-term climate phenomena	1	50,000
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Zhengqing Yun	Hawaii Center for Advance Communications	Radio Propagation Modeling and Prediction in Complex Environments	Develop propagation modeling software package that achieves accurate, fast, and dynamic radio propagation prediction and help establish effective and reliable communications networks	2	130,000

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Energy, Dept. of - Basic Energy Sciences	Thomas Earl Browder	Department of Physics and Astronomy	Research in High Energy Physics: Technical Progress Report & FY12 Budget Request	Primary purpose of this research is the understanding of the properties of the elementary constituents of matter and the nature of the fundamental forces between them	1	440,000

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	Kenneth Kaneshiro	Pacific Biosciences Research Center	Pacific Islands Climate Change Cooperative	This agreement is being implemented to support a cooperative partnership, the Pacific Islands Climate Change Cooperative (PICCC), that will produce scientific and technical information needed to adapt conservation actions to changing climate and other conditions. The objective is to create new information and mechanisms of collaboration that will increase the effectiveness of conservation in the future.	1	130,444
INTERIOR, DEPT-FISH & WILDLIFE SVC	Michael G. Hadfield	Pacific Biosciences Research Center	Conservation Biology of Federally Endangered Hawaiian Tree Snails	Maintain and expand captive propagation program for endangered Oahu tree snails Achatinella and Hawaiian tree snails at risk; conduct molecular genetic studies on laboratory and field populations of Achatinella to determine best sites for translocation or reintroduction of snails; conduct biological research for the purpose of designing management and restoration programs; monitor residual populations of Achatinella spp in the Koolau and Waianae Mountains; survey mountain areas on Oahu that are unknown to us or where recent surveys have not been carried out; survey mountain areas in the State that are of particular interest for native snail conservation.	2	100,000

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
USE 01100-HOMELAND SECURITY, DEPT	John M.J. Madey	Department of Physics and Astronomy	ARI-MA: Nuclear Materials Detection via Time-Encoded Differential Absorption and/or Differential Fluorescence	The research objective of this award is to demonstrate and evaluate the use of differential absorption and differential	1	399,582

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				fluorescence for the detection of fissionable nuclear materials concealed by terrorists in shipping containers, road vehicles, aircraft and ships.		
USE 01100-HOMELAND SECURITY, DEPT	John M.J. Madey	Department of Physics and Astronomy	Use of Laser Cooling to Extend the Peak Current and Duty Cycle of Microwave Thermionic Guns	The proposed research will explore the use of laser-induced cooling of the surface of the lanthanon hexaboride cathodes used in the accelerator system being used for the research funded	1	94,010
USE 01100-HOMELAND SECURITY, DEPT	Sven E Vahsen	Department of Physics and Astronomy	ARI-MA Improved Detection of Fast Neutrons and Special Nuclear Material (SNM)	Investigate a new approach to fast neutron detection that utilizes two new detector technologies: gas electron multipliers and silicon pixel electronics	1	96,000

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ACADEMY KOREAN STUDIES	Tae-ung Baik	William S. Richardson School of Law	The Criminalization of Political Offenses in North Korea: With a Focus on Kwanso	This book attempts to show the significant changes that have taken place in recent decades in Asia with a primary focus on 23 East Asian States.	1	12,000
ACADEMY KOREAN STUDIES	Yean-Ju Lee	Sociology (UH Manoa)	Family Changes in Korea: The Process of Marital Dissolution	My research will explore the underlying mechanisms of divorce, by investigating both the structural factors related to divorce incidence and the subjective accounts of divorcees. I plan to write a book about Korean families focusing on the phenomenon of divorce. In fact, my book project is currently in progress, and the grant will help me to conduct some additional interviews supplementing the data already gathered and to get research and editorial assistance, which will help greatly for the smooth progress of the book project.	1	10,000
Horimasa Co. Ltd.	Clyde Tamaru	Molecular Biosciences and Bioengineering	Opportunities for Integrated and Soil-less Food Production Technologies in the College of Tropical Agriculture and Human Resources	Horimasa Co. from Japan has entered into a collaborative partnership to adapt their hydroponic systems into aquaponic system.	1	594,616

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KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY	Craig Randall Smith	Department of Oceanography	Diversity and Species Ranges of Benthic Polychaetes from the Korean Exploration Claim Area in the Clarian-Clipperton Zone		1	27,067
NATIONAL ASTRONOMICAL OBSV JAPAN	Colin Aspin	Institute for Astronomy	NAOJ-Subaru Telescope Use of the UH 2.2-m Telescope		1	32,425
NATIONAL ASTRONOMICAL OBSV JAPAN	Klaus Hodapp	Institute for Astronomy	A Mechanical Design of the Infrared Doppler Instrument (IRDI) Cryostat and Spectrograph Camera Lens Cells	The IfA proposes to produce a detailed mechanical design of the IRDI cryostat and the spectrograph camera lens cells based on the conceptual design presented at the CoDR and produce the deliverable report.	1	253,972

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAIIAN ELECTRIC COMPANY	Makena Coffman	Social Science Research Institute	Hawaii Energy Impacts Analysis	<p>UHERO will assess the proposed economic impacts and potential externalities (i.e. non-market impacts) of the proposed Aina Koa Pono (AKP) and Hawaii Bioenergy (HBE) projects. Impacts and externalities of interest, as identified by HECO, include:</p> <p>Job Creation, Reinvigorating Hawaii's Agricultural Industry, Revenue Stream, Energy Security/Independence, Biofuel to Meet RPS Compliance, Cleaner Air Emissions, and Other Benefits (such as potential MSW fuel substitution).</p> <p>These issues will be addressed through both model simulations of Hawaii's electricity system and impact to the State economy as well as specific description of particular impacts through targeted research, including review of previous analyses.</p>	1	56,875

Hawaii- Government Agencies

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-HI	Tetsuzan Benny Ron	Human Nutrition, Food and Animal Sciences	Agricultural Workforce Development	Agricultural Workforce Development: Agricultural Workforce Development has been identified as a priority for HDOA and the Department of Labor and Industrial Relations (DLIR) through series of Sustainable Agriculture Skills Forums were conducted in 2011 and 2012; which highlighted the current challenges with agriculture education. Forum feedback centered on the need for coordination of educational opportunities to reach diverse age and region specific workforces through the deployment of a consistent technology platform that monitors participation and is easily updated and maintained. The Aquaculture Program Coordinator of the University of Hawaii has developed the AquacultureHub and the Aquaculture Training and Online Learning (ATOLL) educational and communication platforms to further the aquaculture workforce development and industry outreach. Both platforms are established with active content development initiatives and customers/users.	1	100,000
BUSINESS, ECONOMIC DEV&TOUR-OFC OF PLANNING	Makena Coffman	Social Science Research Institute	Scoping the Value of the Special Management Area Permit and Shoreline Setback Variance for the Coastal Zone Management Program	As researchers with the University of Hawaii Economic Research Organization (UHERO), we propose to 1) develop a methodology and process for the CZM Program to measure and report quantitatively on the cost/benefit (or value) of Special Management Area Permits and Shoreline Setback Variances in preventing adverse impacts on and irretrievable loss of ocean and coastal resources through the CZM Program and implementation of the objectives and policies of HRS ch. 205A; and 2) provide qualitative examples/case studies/success stories of the value that the Special Management Area permit and Shoreline Setback Variance program has provided in preventing adverse impacts and irretrievable loss of ocean and coastal resources.	1	85,000

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HEALTH, DEPT-EXEC OFF AGING-HI	Kathryn L Braun	Dept of Public Health Sciences and Epidemiology	Healthy Aging Program Evaluation Statewide	The Office of Public Health Studies is being contracted for the 7th year in a row to provide evaluation services for the Healthy Aging Partnership, which is replicating evidence-based health promotion programs to older adults in Hawaii. To date, about 2,000 older adults have participated in these programs, with demonstrated improvements to health. Five peer-reviewed publications and numerous presentations have resulted from this work.	1	45,000
LAND & NATURAL RES, DPT-AQUAT (DLNR)	Carl Meyer	Hawaii Institute of Marine Biology (HIMB)	Ulua Movement Patterns		1	48,000
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	Ballast Water / Hull Fouling Coordinator	Coordinate the development of a comprehensive plan to prevent the introduction and dispersal of alien aquatic organisms in the ballast water and on the hulls of vessels in Hawaii waters.	1	30,547
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	The Development of a Biocontrol Option for Alien Algae Control	Research sea urchins as a biocontrol option against invasive alien algae.	1	64,208
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Forestry and Watershed Planner	Conduct research and development for forest and watershed management plans for Maui and Kauai, working closely with planners on those islands.	1	65,094
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Koolau Mountains Watershed Partnership Management Plan Implementation, FY 2011	Research and manage watershed conservation on the Koolau Mountains on Oahu.	1	110,000
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Three Mountain Alliance Planning and Management	Coordinate the watershed protection plan of the Three Mountain Alliance and address priority objectives of the management plan.	1	200,094
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Waianae Mountains Planning and Management	Coordinate the Waianae watershed partnership, including restoration of native ecosystems.	1	160,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Kauai Endangered Forest Bird Conservation Research and Management	Continue research and field management to restore endangered Hawaiian forest birds on Kauai.	1	150,000

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LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Lanaihale Forest and Watershed Project	Conduct Integrated Pest Management strategy on Lanihale to protect native habitats from invasive plants	1	90,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Landowner Assistance Program for Endangered Species Protection	Provide conservation expertise to landowners on all aspects of assistance programs for endangered species protection, and assist in development of plans and agreements.	1	150,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Oahu Invasive Species Committee (OISC) WP 13	Perform aerial surveys to map out where miconia and pampas grass are spreading. Any plants found will be treated.	1	27,909
WATER SUPPLY, BOARD OF	Pao-shin Chu	Department of Meteorology	Projecting Future Freshwater Supply for Oahu under a Changing Climate	To project future precipitation and evapotranspiration changes for Oahu using a regional climate model and a suite of global climate model projections.	1	82,500

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
QUEEN'S HOSPITAL MEDICAL CENTER	Gordon S. Okimoto	Cancer Etiology	Functional Genomics and Molecular Imaging of Liver Disease and Cancer	Using positron emission tomography/computed tomography (PET/CT) of liver cancer tissue, this study will perform integrated analysis of high-dimensional microarray data to enhance the identification of genes, pathways, and novel biomarkers for the early diagnosis of liver cancer.	1	8,027

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Epstein (Jean Estes) Charitable Foundation	Richard Allsopp	Institute for Biogenesis Research	Analysis of the Hif1alpha-mediated Regulation of Telomerase in Adult Stem Cells	This study intends to rigorously assess, using an appropriate animal model, the potential of a newly discovered candidate regulator of telomerase levels in adult stem cells as a therapeutic target to treat diseases associated with telomerase defects.	1	105,000
UNIVERSITY HAWAII FOUNDATION	Arindam Chakrabarti	Philosophy (UH Manoa)	Indian Philosophy of Mind Research Assistant	The Indian Philosophy of Mind Research Assistant will assist the P.I. in research projects and in the preparation of manuscript in Indian Philosophy and the Philosophy of Mind/Language.	1	2,211

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UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	Kamehameha School Research Fellow Program	Implement Kamehameha School Research Fellowship Program to advance knowledge, scholarship or learning in Native Hawaiian Law.	1	102,712
UNIVERSITY HAWAII FOUNDATION	Ekaterina Sherstyuk	Economics (UH Manoa)	Facebook-to-Facebook: Online Communication and Economic Cooperation	We propose to use the tools of experimental economics to study how communication technologies affect people's ability to cooperate and reach socially efficient outcomes in a variety of economically-relevant settings. We focus on no-binding communication (i.e. "cheap talk"), where agreements cannot be enforced by written contract or law. In theory, non-binding communication should have no impact on real economic decision-making but a large body of experimental economics research demonstrates that communication can improve efficiency by helping agents to coordinate on a cooperative outcome in a large variety of settings.	1	20,000
UNIVERSITY HAWAII FOUNDATION	Thomas Jackson	Philosophy (UH Manoa)	Philosophy for Children Research Associate	The Philosophy for Children Research Associates will gather data and conduct research on the effectiveness of a proposed "Philosopher in Residence" initiative at two public schools in Hawaii	1	197,000
WORLD TURTLE TRUST	David Duffy	Department of Botany	Hawaii Island Hawksbill Turtle Recovery Project, FY 13	Manage and protect the endangered Hawksbill sea turtle by protecting and restoring its nesting habitat on the Big Island.	1	97,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ADAMA MATERIALS, INC.	M Ghasemi Nejhad	Mechanical Engineering	Nanotechnology Initiatives in Composites and Energy (NICE)	We will develop the continuous production of carbon-nanotube nanoforest on fabric and tape fibers (employing a Chemical Vapor Deposition Furnace) and their use in nanoforest-based nanocomposites with characterizations and testing of the developed nanomaterials and nanocomposites.	1	95,000

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ALASKA DEPARTMENT OF FISH AND GAME	Marc Lammers	Hawaii Institute of Marine Biology (HIMB)	Acoustic Monitoring for the Presence of Beluga Whales in Cook Inlet, Alaska	Acoustic recording instruments will be deployed in Cook Inlet, Alaska to study the occurrence and movement of beluga whales. This information will be used to establish areas of critical habitat that will aid in the conservation of these endangered animals.	1	19,095
BOEING COMPANY-BOEING LASER TECH SVCS	Jeffrey Kuhn	Institute for Astronomy	UH R&D Support (ODC) - 2011	Provide HiVIS sensor support, routine maintenance, and integration into AEOS TCS as required. Provide maintenance documentation as required. Provide analysis data pipeline support as required.	2	31,000
CONCURRENT TECHNOLOGIES CORPORATION	Eric Heinen DeCarlo	Department of Oceanography	Ordinance Reef (HI-06) Follow-up Investigation	Access and report on the biota sediment composition in the Ordinance Reef (HI-06) Study Area.	1	83,274
CONCURRENT TECHNOLOGIES CORPORATION	Margaret Edwards	Hawaii Institute of Geophysics and Planetology (HIGP)	Hawaii Undersea Military Munitions Assessment (HI-05) Investigation Sample and Analysis Plan Develop	We propose to develop a Sampling and Analysis Plan (SAP) that will create an improved approach for using Human-Occupied Vehicles to assess disposed military munitions discovered in 2011 during a SONAR mapping survey. The SAP will be based on a prior plan that was implemented during a diving program in 2009.	1	14,710
MVSYSTEMS INC	Bor Liaw	Hawaii Natural Energy Institute (HNEI)	Photoelectrochemical Hydrogen Production, Amendment 8	To perform a comprehensive materials research and development effort to develop process-compatible films for high performance photoelectrode devices and to design, fabricate and test prototype photoelectrode devices based on best-available materials to demonstrate technology advancement.	1	189,752
NATIONAL RENEWABLE ENERGY LAB	Craig Jensen	Department of Chemistry	High Pressure Spectroscopy of Room Temperature Hydrogen Sorbents Modification 2	Enhanced reversible hydrogen uptake in addition to simple, physi-sorption has been reported for a number of sorbent materials. We plan to investigate the nature of this "spillover" hydrogen by solid state, nuclear magnetic resonance spectroscopic methods.	1	15,000

Mainland- Non-Profit Organizations

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SOUTHWEST RESEARCH INSTITUTE	Tobias Owen	Institute for Astronomy	Juno Science Support Phase B/C/D/E Activities	Dr. Owen will serve as the lead scientist for Juno education and public outreach (E/PO) providing scientific guidance and review for all aspects of these activities. He will also assist in analysis, modeling, and interpretation of models of Jupiter formation.	1	46,879

National Aeronautics and Space Administration

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NATIONAL AERONAUT & SPACE ADM	Donald Hall	Institute for Astronomy	Extending the astronomical application of photon counting HgCdTe linear avalanche photo-diode arrays to low background space observations.	This investigation will extend photon counting HgCdTe linear avalanche photo-diode sensor technology, already under NSF funded development at UH for adaptive optics wavefront sensing, to NASA infrared astrophysics observations of sources so faint that information must be wrung from just a few photons.	1	136,000
NATIONAL AERONAUT & SPACE ADM	Mark Martindale	Pacific Biosciences Research Center	The Cellular and Molecular Basis for the Evolution of Cell-type Complexity	This grant will use two important invertebrate marine model systems to understand the cellular and molecular basis for the evolution of novel cell types, including the origins of eyes and photobehavior and other unique components of the nervous system	1	240,670
NATIONAL AERONAUT & SPACE ADM	Nikolai A Maximenko	Department of Oceanography	Aquarius Salinity Calibration, Error Quantification, Signal-to-Noise Analyses, and Resolution Studies Using historical and Concurrent Data	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.	1	96,353
NATIONAL AERONAUT & SPACE ADM	Peter Gorham	Department of Physics and Astronomy	Antarctic Impulsive Transient Antenna: A Suborbital Ultra-High Energy Particle Telescope	ANITA3: employ an array of up to 48 ultra-wide band, dual polarization horn antennas, arrayed to view the entire ice sheet below it, & triggering on any detectable impulsive radio signal. Neutrino discovery potential will be enhanced by a factor of 2 or more above ANITA2.	2	484,000

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NATIONAL AERONAUT & SPACE ADM	Peter Gorham	Department of Physics and Astronomy	ExaVolt Antenna: Supporting Technology for Suborbital Ultra-high Energy Particle Observatories	Develop the concept of a very large toroidal balloon-surface radio telescope into a functional scale-model engineering prototype which can validate the effectiveness of this technique for future large-scale NASA balloon missions with the goal of extending NASA's ultra-high energy particle detection capabilities	1	70,364

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Anthony Amend	Department of Botany	Collaborative Proposal: Diversity and evolution of fungal endophytes in native Hawaiian plants	<p>Project Summary</p> <p>Collaborative Research: Diversity and evolution of fungal endophytes in native Hawaiian plants</p> <p>Intellectual Merit: Found inside the healthy leaf tissue of every plant species yet examined, foliar fungal endophytes have been shown to play a critical role in mediating how hosts interact with their abiotic environment and with other organisms including pathogens and herbivores. Though invisible to the naked eye, endophytic fungi form ubiquitous and hyperdiverse communities spanning hundreds of millions of years of evolutionary history. It is suspected that these cryptic symbionts comprise a large portion of the estimated 98% of fungal species diversity that remains undocumented.</p> <p>This project consists of a systematic and comprehensive biological inventory of fungal foliar endophytes of native and endemic Hawaiian plants to accomplish the following goals: 1) Complete a thorough biodiversity survey of foliar endophytic fungi from native Hawaiian plants, 2) Develop a phylogenetic hypotheses for Hawaiian endophytic fungi, 3) Integrate fungal community data and ecological data to predict patterns of diversity and inform future surveys, 4) Use comparative phylogenetic methods to test for phylogenetic signal in specialization patterns between host species and endophytes, 5) combine</p>	1	449,997

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				<p>phylogenetic, ecological and phenotypic data to name and preserve novel fungal species. Our sampling strategy will leverage Hawaii's unique isolation, diversity of habitats and spectacular flowering plant adaptive radiations to maximize endophyte species recovery, while enabling insight into evolutionary, biogeographical and community assembly processes. Combining culture-based methods, next-generation environmental sequencing and stored banks of genomic DNA from critically endangered (and extinct) species, we plan to survey foliar fungal endophyte communities from every habitat on each major island in the Hawaiian archipelago, including at least a single representative of most of</p>		
NATIONAL SCIENCE FOUNDATION	David Ho	Department of Oceanography	WSC-Category 2 Collaborative: Robust Decision-Making for South Florida Water Resources by Ecosystem Service Valuation, Hydro-Economic Optimization...	The main objective of this project is to investigate the processes of decision-making in water resources allocation in order to develop new approaches for sustainably managing water resources and highly-valued social-ecological interactions in South Florida.	1	288,954
NATIONAL SCIENCE FOUNDATION	Glenn Carter	Department of Oceanography	Collaborative Research: Transport, Internal Waves and Mixing in the Samoan Passage	To conduct measurements in the Samoan Passage, the main pathway for deep water to enter the North Pacific Ocean. The measurements will be both to understand the processes changing the water properties as water flows north, and a longer term monitoring event to estimate the transport through the passage.	1	164,457
NATIONAL SCIENCE FOUNDATION	Joseph T Jarrett	Department of Chemistry	Mechanistic Studies of the S-Adenosylmethionine Radical Enzyme Biotin Synthase	We will study the last biochemical reaction in the bacterial pathway for producing the essential vitamin biotin (Vitamin H). This reaction is catalyzed by an enzyme called biotin synthase, which uses a cluster of iron and sulfur ions to insert a new sulfur atom into biotin. Our studies will define the complete chemical mechanism for this process.	1	151,401

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Magdy F Iskander	Hawaii Center for Advance Communications	Development and Application of Genetic Programming in Design and Optimization of Ultra-wideband Metamaterials	The proposed work aims to use Genetic Programming (GP), a novel bio-inspired optimization procedure generating optimized computer programs as solutions, and associated Lindenmayer-system (L-system) patterning , non-linear optimization, and scripted text-based geometry input to full wave EM simulators, to create 3D metamaterial structures and investigate the fundamental capabilities of metamaterial technology in electromagnetics applications. Specifically this study will explore the application of metamaterials in what has been noted as the no mans land frequency bands and the development of ultra wideband (50:1) Artificial Magnetic Conductor (AMC) and absorbing ground planes using novel flexible lightweight patterned materials, and possible miniaturization through true 3-D (rather than traditional multi-layering) implementation. An earlier (AMC) design by our group has achieved the objective of providing 41:1 bandwidth starting from frequencies as low as 120 MHz, but this design relied on the use of ferrite as a magnetic material backing behind the mushroom electromagnetic band-gap structure, therefore, resulting in a sub-optimal, inflexible, heavyweight and of limited practical applications structure. Alternative innovative true 3-D designs, therefore, need to be developed based on advanced fundamental understanding of the loss (absorbing) and gain (AMC) tradeoffs involved between various metamaterial options over an ultra-wideband (UWB) of frequencies and for a wide variety of applications.	1	214,632
NATIONAL SCIENCE FOUNDATION	Robert A Stodden	Center on Disability Studies/University Affiliated Pgms	Pacific Alliance for Supporting Individuals with Disabilities in STEM Fields Partnership (Pacific Alliance)	The Pacific Alliance, led by CDS staff at UH-M, is designed to significantly increase and broaden participation of students with disabilities who enroll in and complete 2- and 4-year undergraduate degrees in STEM fields, enter STEM graduate programs, and enter the STEM workforce within Hawaii and US Pacific Jurisdictions	1	251,278

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Robert John Toonen	Hawaii Institute of Marine Biology (HIMB)	Multispecies connectivity: Comparative analysis of marine connectivity and its drivers for the coral reefs of Hawaii	Multi-species population connectivity studies across the Hawaiian Archipelago.	1	665,062

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ALASKA FAIRBANKS, UNIVERSITY OF	Milton Garces	Hawaii Institute of Geophysics and Planetology (HIGP)	Proposal for Post-Certification Activities at IMS Stations I39PW, Palau and I52GB, Diego Garcia (I52GB, Diego Garcia)	Continued maintenance operation for Palau and Diego Garcia.	1	173,570
ALASKA FAIRBANKS, UNIVERSITY OF	Milton Garces	Hawaii Institute of Geophysics and Planetology (HIGP)	Recapitalization of the IMS Infrasonud Stations 1S39, Palau and IS52, Diego Garcia.	Rebuilding of equipment on Palau and Diego Garcia islands.	1	128,266
ARIZONA STATE UNIVERSITY	Bernard Ray Hawke	Hawaii Institute of Geophysics and Planetology (HIGP)	LROC Targeting and Scientific Analysis	This proposal to conduct scientific studies of images collected by the Lunar Reconnaissance Orbiter Camera.	1	131,104
ARIZONA STATE UNIVERSITY	Joseph Boyce	Hawaii Institute of Geophysics and Planetology (HIGP)	Single and Multi-Layered Ejecta Craters: Characterization of Morphology and Assessment of Possible Mechanisms of Ejecta Emplacement	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.	1	14,000
CALIFORNIA SAN DIEGO, UNIV-SCRIPPS INST OF OCEAN	Julian McCreary	Department of Oceanography	Estimating Ocean Mixing and Form Drag in the Tropical Pacific	The proposed work evaluates ocean mixing using ocean state estimation and explores interaction of mixing fields with large scale dynamics of the tropical ocean.	1	118,678
CALIFORNIA SAN FRANCISCO, UNIV	Bruce Shiramizu	Department of Pediatrics	Peripheral Reservoir of HIV DNA in Monocytes Pivotal to Cognition in HIV	Molecular and immunology assays will be completed on clinical specimens obtained from the SEARCH Cohort.	1	140,397
JOHNS HOPKINS UNIVERSITY	Yusuke Marikawa	Institute for Biogenesis Research	Novel Axial Elongation Morphogenesis Systems Using Embryonic Stem Cells to Investigate Teratogenic Factors	This study is to establish a novel in vitro culture method to recapitulate body creation process that normally occurs only during embryo development in uterus. Our study should contribute to significantly reducing the number of animal use to test the effects of teratogenic compounds on embryos.	1	32,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PENNSYLVANIA STATE UNIVERSITY	Vivek Nerurkar	Department of Tropical Medicine, Medical Micro and Pharm	Mechanisms of PML Pathogenesis: Contributions of JC Virus Genomic Variation	In the proposed project, Dr. Nerurkar will transfect HBMVE cells with several archetype constructs generated by the PI, determine replication using qPCR, passage the infected cell lysates followed by screening for mutations in the NCRR using sequencing. He will train the PI in conducting the aforementioned experiments and will assist with technology transfer.	1	65,688
UTAH STATE UNIVERSITY	Theodore Radovich	Tropical Plant and Soil Science	Reducing Pacific Island Grower's Reliance on Off-Island Fertilizer Sources Through Improved Access and Efficient Use of Local Inputs	This is an integrated research and education project that will address key bottlenecks in effectively utilizing local resources (compost, rendered meat product and algae) as plant growth promoters in Hawaii agriculture operations.	1	89,457
Research - Total					86	17,217,407

Non-Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Anna Wiczorek	Tropical Plant and Soil Science	Biotechnology Outreach Program	The goal of my program is to inform and educate the community on the subject of genetic engineering in agriculture so that the communities will be empowered to make informed decisions about the adoption or rejection of these crops.	1	9,050

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Charles Nagamine	Plant and Environmental Protection Sciences	Hawaii Pesticide Safety Education Program 2012-2013	The purpose of the project is to provide education for Hawaii's pesticide applicators to enable them to become certified and maintain certification by the Hawaii Dept of Agriculture (HDOA)--the State of Hawaii's lead agency for pesticide regulation--to apply restricted use pesticides. The 4 major activities comprising this project are: 1. conducting 2-day short courses to explain how pesticides may be handled legally, safely, and effectively; 2. developing and publishing study guides that pesticide applicators may use to prepare to take the HDOA's certification examinations; 3. developing and publishing a newsletter that will inform pesticide applicators of changes in regulations and trends in pesticide usage, and include continuing education-type articles which certified applicators may use to earn recertification credits; and 4. maintaining and updating webpages that will provide certified pesticide applicators with internet access to short course schedules, study guides, and newsletters.	1	10,000

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Kenneth Kaneshiro	Pacific Biosciences Research Center	USGS - Pacific Island Climate Science Center HCA Membership	These funds are to cover the annual dues for the Hawaii Conservation Alliance (HCA) for the calendar year 2012 to coordinate meetings and opportunities for PICSC collaborators to share information that will assist PICSC to attain its goals and objectives.	1	9,000

Federal Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENVIRONMENTAL PROTECTION AGENCY	Celia M. Smith	Department of Botany	EPA STAR Graduate Fellowship for Daniel Amato	Year 2 of Daniel Amato's EPA Star Fellowship.	1	17,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HOMELAND SECURITY, DEPT-FEMA	Karl Kim	Urban and Regional Planning	National Disaster Preparedness Training Center	<p>NDPTC works with organizations, businesses, and communities to increase resilience against catastrophic hazards. As a national center, NDPTC serves as a vital training resource for communities in the region including American Samoa, Guam, Commonwealth of Northern Mariana Islands, Federated States of Micronesia, and the Republic of the Marshall Islands as well as other coastal communities throughout the United States. Given increased urbanization and development of communities in hazard prone areas throughout the U.S., there is a significant demand for training related to natural hazards preparedness, response, and recovery.</p> <p>Working closely with NDPC members and other partners, NDPTC will continue to develop, deliver and host DHS-certified courses in the areas of disaster preparedness, response, recovery, and resilience. NDPTC targets topics for training based on three criteria: 1) focus on natural hazards, coastal communities and the unique circumstances associated with islands and territories, 2) need as demonstrated by questionnaires, surveys, evaluations, interviews, observations, and focus groups, as well as input from our partners and the Pacific Management Ohana (PRiMO), 3) demand for training deliveries administrated by requests from the State Administrative Agencies (SAA), volunteer organizations, and community groups.</p>	1	5,147,000

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AMERICAN SAMOA, GOVERNMENT	John Morton	Office of the Vice President for Community Colleges	Economic Development Technical Assistance for ASG-DOC	To provide technical assistance to the DOC in a variety of areas ranging from evaluation of new technologies to coordination of ongoing development project and programs, etc.	1	90,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMONWEALTH OF NO MARIANA ISLANDS	Lee E Buenconsejo- Lum	Department of Family Medicine and Community Health	Pacific Regional Comprehensive Cancer Control program (CNMI DPHSS subcontract)	The Regional CCC Program leverages resources and work collaboratively with others to build capacity within the USAPI Health Departments/Ministries and community sector to implement the Pacific Regional CCC plan. The Regional Plan includes goals and objectives addressing the cancer control spectrum from prevention to treatment and palliation.	1	25,000
REPUBLIC MARSHALL ISLANDS	Neal Palafox	Department of Family Medicine and Community Health	Pacific Regional Comprehensive Cancer Control program (RMI MOH subcontract)	The Regional CCC Program leverages resources and work collaboratively with others to build capacity within the USAPI Health Departments/Ministries and community sector to implement the Pacific Regional CCC plan. The Regional Plan includes goals and objectives addressing the cancer control spectrum from prevention to treatment and palliation.	1	25,000

Hawaii- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GARDEN ISLE RESRCE CONSERV & DEVELOPMENT, INC.	David Duffy	Department of Botany	Kauai Invasive Species Committee Coqui Frog Eradication	Eradicate coqui frogs from the island of Kauai	1	33,750

Hawaii- Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Terry Ann F Higa Tabije	Curriculum Research and Development Group	Data Analysis Services to the Farrington Complex Kalihi Learning Center 21st Century Community Learn	The evaluation will examine (a) the extent and quality of project implementation and (b) project outcomes (student academic performance and behaviors). The evaluators will draft and discuss the evaluation design and timeline for data collection with project leaders and school principals for understanding and agreement. Types of data will include ratings and comments from questionnaires, attendance, demographic data, description of staff, description of center operations, descriptive data about activities submitted by project staff, and report card	1	35,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				grades.		

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-HI CIVIL DEFENSE	Philip Moravcik	Water Resources Research Center	Tsunami Observer Program	To coordinate, update, train, and supply Tsunami Observer's throughout the state of Hawaii. The goral is to safely and accurately record data of a tsunami, as it occurs, and to acquire post tsunami run up and inundation data. This data is vital to modeling, establishing, and refining the State Tsunami Evacuation Maps.	1	25,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawai'i State Foundation on Culture and the Arts	Joseph Patti	Chancellor, Leeward Community College	Leeward 2013 (Appl. #BS130017P2)	<p>Over 2012-2013, LCC will present outstanding artists from across the world (Europe, Asia and North America) and Hawaii in a series of performances, lecture-demonstrations and workshops designed to make substantial and thought-provoking connections between people and the arts both formally and Informally.</p> <p>LCC Theatre continues its connections with the Leeward and Central communities. As the only major performing presenter in the Leeward and Central areas, LCC Theatre plays a unique role in the areas cultural life serving as the primary point of access between the public and the arts. Located geographically as it is, LCC Theatre is in a place to offer great experiences within easy reach of audiences and schools in the more suburban portions of O'ahu.</p> <p>As part of this project, we hope to present: A Night in Bali (Gamelan Segara Madu) (substitution for Mummenshantz) 1 public performance, 3 outreach Delhi 2 Dublin (substitution for Beausoleil avec Michael Doucet) - 1 public performance Toubab Krewe- (substitution for Ladysmith Black Mambazo) - 1 public performance Keyboard Conversations (substitution for On Ensemble) - one performance, one outreach Keigwin & Company - one performance, 1 master class</p>	1	6,031
HAWAIIAN AFFAIRS, OFFICE OF	Clyde M. Sakamoto	Chancellor, UH Maui College	OHA Liko A'e Native Hawaiian Scholarship Program 2012	The Liko Ae Native Hawaiian Scholarship program will provide higher education scholarships to non-traditional Native Hawaiian students across the country.	1	320,150

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAIIAN AFFAIRS, OFFICE OF	Erin Wright	Hawai'iuniikea School of Hawaiian Knowledge	Pa'ahao Awareness & Advocacy	Paahao Awareness & Advocacy is a program that culminates in a two day event involving a panel presentation, library cataloging, legislative letter writing campaign, and exhibition discussing, reflecting, supporting, and raising awareness about issues related to Native Hawaiians incarcerated on the continental United States as well as framing cultural approaches to prisoner rehabilitation.	1	5,000
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Claudio Nigg	Dept of Public Health Sciences and Epidemiology	State Epidemiological Outcome Workgroup	The goal of this project is to collaborate with the Alcohol and Drug Abuse Division of the Hawaii State Department of Health to lead the State Epidemiological Outcomes Workgroup. The overall goal of this effort is an enhanced State Epidemiological Outcomes Workgroup (SEOW) to create a sustainable mechanism to gather and disseminate substance use data, in a timely manner, to stakeholders.	1	180,000
HEALTH, DEPT-ALCOHOL & DRUG ABUSE DIV-HI	Grace Fong	Center on the Family	Hawaii Information System for Substance Abuse Prevention Project	Oversee implementation of web-based HISSAP data collection, management, and reporting system as part of DOH-ADAD's implementation of its Substance Abuse Prevention Infrastructure Work Plan.	1	199,656
HEALTH, DEPT- DEVELOPMENTAL DC-HI	Nathan M Murata	Department of Kinesiology and Rehabilitation Science	Conduct Research Study on Concussion Management	Concussion Management Protocol for Interscholastic Student/Athletes in Hawaii High Schools, Year 3	1	214,734

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-MAT & CHILD	Christine Quemuel	Women's Center	UH Systemwide PAU Violence Program	The University of Hawaii Systemwide PAU (Prevention, Awareness, Understanding) Violence Program is coordinated by the UH Mānoa Womens Center to provide assistance to develop and sustain efforts to address sexual assault, dating/domestic violence and stalking on all ten of the University of Hawaii System campuses. The PAU Violence Program uses the Center for Disease Control and Preventions socio-ecological model for primary prevention of intimate partner violence to frame the work conducted by the campuses. This model provides a multi-level approach to violence prevention that considers the relationships between individual, relationship, community, and societal factors in primary prevention. The PAU Violence Program also uses a community-based approach to violence prevention, working with each unique campus to create a task force of key campus stakeholders to identify needs, develop initiatives, and create a sustainability plan.	1	300,000
HUMAN SERVICES, DEPT-OYS-HI	Karen Umemoto	Urban and Regional Planning	Civil Citation Initiative	This project is being conducted for the Juvenile Justice State Advisory Council (JJSAC) to facilitate the design and implementation of the Civil Citation Initiative among key partners in Hawaii to reduce disproportionate minority contact.	1	166,000
Kamaile Academy	Lois Yamauchi	Department of Educational Psychology	CREDE Professional Development at Kamaile Academy 2012-2013	The purpose of this project is to (a) promote Kamaile Academy teachers' use of the Center for Research on Education, Diversity, and Excellence (CREDE) Standards for Effective Pedagogy, (b) integrate the CREDE Standards with the Envision model used in secondary grades, and (c) evaluate the effects of professional development on teachers' instruction and student engagement, motivation, and self-regulated learning.	1	66,335
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Mauna Kea Watershed Alliance Planning and Management	coordinate Mauna Kea Watershed Alliance including the drafting of a management plan.	1	131,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Oahu Wetland Restoration and Management Program	The objective for the Oahu Wetland Restoration and Management Program is to provide assistance in the management of wetlands State Wildlife Sanctuaries. Project operations will also provide assistance to volunteers who assist DOFAW with various maintenance projects.	1	45,000
TRANSPORTATION, DEPT-HI	Michael C Barros	Chancellor, Honolulu Community College	Partnership with the Hawaii Department of Transportation and Honolulu Community College to provide paid Cooperative Education Opportunities	This program establishes a basis of mutual understanding between University of Hawaii, Honolulu Community College and Hawaii Department of Transportation in matters relating to the Job Readiness Student Internship Program JRSIP.	1	23,869

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Edith Kanaka'ole Foundation	Lilikala K. Kame'eleihiwa	Kamakakuokalani Center for Hawaiian Studies	Kamakakuoka'aina - Ancestral Knowledge & Land Empowerment	To improve the capacity of Hawaiians in the decision-making and oversight of lands and resources in Hawaii.	1	224,655
Hawaii Cancer Consortium	Lynn Heirakuji	University of Hawaii Cancer Center	HCC-UHCC General Operating Expenses Agreement	Hawaii Cancer Consortium funds for use by the University of Hawaii Cancer Center for operating expenses.	1	1,340,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION (HCF)	Raul Rudoy	Department of Pediatrics	HEALTHY Women and Children's Program: Healthy Elimination And Lowering of Tobacco in Households for Youth	<p>Program Overview: The vision of HEALTHY is healthier children and families in Hawaii through the elimination and lowering of secondhand smoke from tobacco through education and cessation services. HEALTHY focuses on the best practices of intensive cessation interventions, lifestyle behavior changes, and nicotine replacement therapy (NRT).</p> <p>Proposed Activities and Outcomes: For the grant years of 2012-2015, HEALTHY proposes to contribute to statewide cessation efforts through three main activities: 1) Continue the smoking cessation service program carried out during the 2009-2012 grant cycle, 2) Expand and reinforce relationships and services with Kapiolani Medical Center for Women and Childrens (KMCWC) outpatient clinics, and 3) Expand outreach among minors, pregnant women, and other tobacco product (OTP) users, and examine possibilities of NRT interventions with these populations.</p> <p>HEALTHY strives to provide support to household smokers of children and infants in an acute hospital setting, with the ultimate objective of decreasing secondhand smoke exposure among children through increased cessation activities.</p> <p>Target population and need: Housed at KMCWC, HEALTHY targets a unique and vulnerable population of smokers: parent smokers, pregnant women, and adolescents. Nearly 60% of program participants are individuals from the labor and delivery, postnatal, and postoperative floors, and 2% are underage smokers. 51% of smokers currently enrolled are unemployed, uninsured, or meet the federal threshold for poverty, with 53% of these smokers being of Hawaiian or Filipino ancestry.</p> <p>In working with this population, HEALTHY</p>	1	75,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				understands that parent and household smokers are more likely to accept cessation help in hospital environments and convenient settings. Moreover, advice to quit is taken more seriously during a family members hospitalization. KMCWC, Hawaii's major referral center for high-risk pregnancies and seriously ill children, provides HEALTHY with the opport		
HONOLULU MEDIA COUNCIL	Liam Skilling	William S. Richardson School of Law	The First Amendment Project		1	25,000
KOKUA KALIHI VALLEY	Dina Shek	William S. Richardson School of Law	Medical Legal Partnership KKV - Health Law Partners	Additional \$25K will be used to support the efforts of the KKV project with support for a post JD fellow outreach activities, office supply and travel support for the program.	1	10,000
QUEEN LILIOUKALANI CHILDRENS CENTER	Gene I. Awakuni	Chancellor, UH West Oahu	MOU with Queen Lilioukalani Children's Center	To support the hiring of a NHEOC Coordinator. Funds shall be used to pay for salaries, benefits, supplies, equipment and any other operational expenses required by the Coordinator to carry out his/her duties and responsibilities.	1	20,000
TRI-ISLE RES CONSERVATION & DEV COUNCIL	David Duffy	Department of Botany	SUPPORT FOR THE MAUI INVASIVE SPECIES COMMITTEE PROJECT: Protecting Maui's Watersheds from Invasive Plants	Prevent, control, and eradicate the most serious invasive plant species threats to Maui's forested watersheds, focusing heavily on Miconia, Pampas grass, Fountain grass, and Ivy gourd.	1	454,440
UNIVERSITY HAWAII FOUNDATION	Donald B Young	Curriculum Research and Development Group	Mizushima International Kimono Program	To conduct the project entitled: "Mizushima International Kimono Program"	1	9,000
UNIVERSITY HAWAII FOUNDATION	Donald Straney	Chancellor, UH Hilo	Taniguchi Award for Excellence and Innovation		1	3,100
UNIVERSITY HAWAII FOUNDATION	Kenneth Nakamura	Department of Pediatrics	American Lung Association of Hawaii Endowed Chair in Neonatal Respiratory Health Fund	Salary and fringe for Physician-Scientist and Mentor.	1	13,180
UNIVERSITY HAWAII FOUNDATION	Laurence James Paxton	Music (UH Manoa)	Music Ensemble Lecturer	Funds will be used to pay Korean Ensemble Lecturer salary	1	1,321
UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Mobile Science Laboratory	Design and development of a mobile science laboratory, a new learning environment that will stimulate science education across Hawaii.	1	322,876

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	P-3 Evaluation/External Evaluator	To perform evaluation of services to support grant deliverables with the goal of every child reading at grade level by grade 3. The data will be used to identify strategies to be replicated in other communities to achieve grant deliverables.	1	120,000
UNIVERSITY HAWAII FOUNDATION	Valentino Ramirez	Kamakakuokalani Center for Hawaiian Studies	Gladys Brandt Chair	Provide honoraria nonresident aliens and UH employees invited to participate in Gladys Brandt Chair activities.	1	10,000

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Astellas Pharma Global Development, Inc. (APGD)	Jonathan Karl Cho	Clinical Sciences	A Phase 2, Open Label, Multicenter, Randomized Trial Comparing Tivozanib in Combination with mFOLFOX6 with Bevacizumab in Combination with mFOLFOX6 in	A Phase 2 clinical trial for metastatic colorectal cancer (mCRC).	1	750

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CONSORTIUM FOR OCEAN LEADERSHIP	Marcie Grabowski	School of Ocean and Earth Science and Technology	Hawaii Regional Ocean Sciences Bowl 2013	The National Ocean Sciences Bowl is a collaborative effort between the Consortium for Ocean Leadership and the NOSB host institutions. We propose to make the University of Hawaii a host institution for the Hawaii regional National Ocean Sciences Bowl competition for 2013. Marcie Grabowski will be the project coordinator for the region. The regional coordinators are trained by the Consortium for Ocean Leadership staff on how to organize and administer the regional competition. Each regional bowl and the final competition is staffed and run by volunteers (e.g. faculty members, students, administrative staff, etc.). This competition is open to students at public and private schools on all islands, as well as to students from U.S. Territories.	1	13,000

National Aeronautics and Space Administration

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	The Hawaii NASA EPSCoR Research Infrastructure Development Program	The proposal addresses the broad objectives of the 2012 Hawaii EPSCoR Report entitled, Sustaining and Improving Quality of Life for a Prosperous Hawaii: A Statewide Framework for Science and Technology. The four objectives are (1) Strengthen Hawaii's talent pool in science and technology, (2) Foster synergies between Hawaii's science and technology businesses and institutions, (3) Advance science and technology for a healthy and sustainable state, and (4) Invest in science and technology infrastructure for research and innovation.	1	125,000

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA LOS ANGELES, UNIV	Linda Chang	John A. Burns School of Medicine	Infrastructure for NIDA Clinical Trials Network (NIDA-CTN)	The PI and her staff will develop and maintain an appropriate and safe clinical research infrastructure in order to participate in and conduct eligible clinical trials through the NIDA Clinical Trials Network (CTN).	1	250,000
CALIFORNIA SAN FRANCISCO, UNIV	Cyril Goshima	John A. Burns School of Medicine	HIV Care Services Training & Educational Services	HIV education for clinicians in Hawai'i and the US Pacific jurisdictions.	1	299,700
KANSAS STATE UNIVERSITY	Claire Nakatsuka	Family and Consumer Sciences	2012 Operation Military Kids Grant	Project is to provide educational, social and recreational programs to geographically dispersed military youth while parent is deployed.	1	36,349
KIRKWOOD COMMUNITY COLLEGE/CCID	Leon Richards	Paul S. Honda international Center	Community College Initiatives	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 to their home nation's future economic and democratic development.	1	8,000

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

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
SOUTHERN CALIFORNIA, UNIVERSITY OF	Mary Kadooka	Institute for Astronomy	Deep Biosphere Integration into Astrobiology for Teachers and Students	Our science team will share the excitement of their deep biosphere research to promote secondary STEM education by weaving their story into astrobiology, the search for life in the universe as a joint effort with the University of Hawaii NASA Astrobiology team. They will work with secondary science teachers at their ALI'I summer program to develop activities aligned to national and state science standards. Since our ALI'I teachers work with our target groups of students with special needs, Native Hawaiian and Pacific Island, and those at-risk, they provide expertise on how best to serve these students. This collaborative effort to bring the deep biosphere into various science courses and different student populations will result in a broad outreach. The technology of underwater robotics and other instruments as essential tools for studying science will be emphasized. The teachers will pilot test activities and then conduct secondary workshops in Hawaii and other states. Our science team will also visit schools in Hawai'i to give presentations and participate in the secondary workshops. Evaluation methodology and instruments will be developed with our educational consultant to ensure validity and reliability as we assess our outcomes. We will coordinate this with the C-DEBI community.	1	49,416
SOUTHERN CALIFORNIA, UNIVERSITY OF	Michael Rappe	Hawaii Institute of Marine Biology (HIMB)	Ridge Flank Crustal Fluid Microbial Community Genomics, Expression, and Phylogeny	This award will support graduate student Sean Jungbluth for one year in order to investigate the activity and genetic potential of microorganisms living in the deep subsurface of Earth.	1	31,980
Non-Research - Total					46	10,526,342
Overall - Total					132	27,743,749

Funds Received from UH Foundation for Jan 1, 2013 to Jan 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	Kenneth Nakamura	Department of Pediatrics	American Lung Association of Hawaii Endowed Chair in Neonatal Respiratory Health Fund	Salary and fringe for Physician-Scientist and Mentor.	1	13,180
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Valentino Ramirez	Kamakakuoka Center for Hawaiian Studies	Gladys Brandt Chair	Provide honoraria nonresident aliens and UH employees invited to participate in Gladys Brandt Chair activities.	1	10,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Mobile Science Laboratory	Design and development of a mobile science laboratory, a new learning environment that will stimulate science education across Hawaii.	1	322,876
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Donald B Young	Curriculum Research and Development Group	Mizushima International Kimono Program	To conduct the project entitled: "Mizushima International Kimono Program"	1	9,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Laurence James Paxton	Music (UH Manoa)	Music Ensemble Lecturer	Funds will be used to pay Korean Ensemble Lecturer salary	1	1,321
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Linda K. Johnsrud	Office of the VP for Academic Planning and Policy	P-3 Evaluation/External Evaluator	To perform evaluation of services to support grant deliverables with the goal of every child reading at grade level by grade 3. The data will be used to identify strategies to be replicated in other communities to achieve grant deliverables.	1	120,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Donald Straney	Chancellor, UH Hilo	Taniguchi Award for Excellence and Innovation		1	3,100

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Ekaterina Sherstyuk	Economics (UH Manoa)	Facebook-to-Facebook: Online Communication and Economic Cooperation	We propose to use the tools of experimental economics to study how communication technologies affect people's ability to cooperate and reach socially efficient outcomes in a variety of economically-relevant settings. We focus on non-binding communication (i.e. "cheap talk"), where agreements cannot be enforced by written contract or law. In theory, non-binding communication should have no impact on real economic decision-	1	20,000

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

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
					making but a large body of experimental economics research demonstrates that communication can improve efficiency by helping agents to coordinate on a cooperative outcome in a large variety of settings.		
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Arindam Chakraba	Philosophy (UH Manoa)	Indian Philosophy of Mind Research Assistant	The Indian Philosophy of Mind Research Assistant will assist the P.I. in research projects and in the preparation of manuscript in Indian Philosophy and the Philosophy of Mind/Language.	1	2,211
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Aviam Soifer	William S. Richardson School of Law	Kamehameha School Research Fellow Program	Implement Kamehameha School Research Fellowship Program to advance knowledge, scholarship or learning in Native Hawaiian Law.	1	102,712
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Thomas Jackson	Philosophy (UH Manoa)	Philosophy for Children Research Associate	The Philosophy for Children Research Associates will gather data and conduct research on the effectiveness of a proposed "Philosopher in Residence" initiative at two public schools in Hawaii	1	197,000
Overall - Total						11	801,400

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	5	5,073,954	29%
DHHS-Dept of Health and Human Services	6	1,987,622	12%
DOC-Dept of Commerce	1	982,500	6%
DOD-Department of Defense	7	385,000	2%
DOE-Dept of Energy	1	440,000	3%
DOI-Dept of Interior	3	230,444	1%
Federal Agencies	3	589,592	3%
Foreign	6	930,080	5%
Hawaii- Business and Other	1	56,875	0%
Hawaii- Government Agencies	15	1,408,352	8%
Hawaii- Health Organizations	1	8,027	0%
Hawaii- Non-Profit Organizations	6	523,923	3%
Mainland- Business and Other	8	447,831	3%
Mainland- Non-Profit Organizations	1	46,879	0%
National Aeronautics and Space Administration	6	1,027,387	6%
National Science Foundation	7	2,185,781	13%
US Colleges and Universities	9	893,160	5%
Overall - Total	86	17,217,407	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	2	19,050	0%
DOI-Dept of Interior	1	9,000	0%
ED-Dept of Education	0	0	0%
Federal Agencies	2	5,164,000	49%
Foreign	3	140,000	1%
Hawaii- Business and Other	1	33,750	0%
Hawaii- Dept of Education	1	35,000	0%
Hawaii- Government Agencies	13	1,682,775	16%
Hawaii- Non-Profit Organizations	14	2,628,572	25%
Mainland- Business and Other	1	750	0%
Mainland- Non-Profit Organizations	1	13,000	0%
National Aeronautics and Space Administration	1	125,000	1%
US Colleges and Universities	6	675,445	6%
Overall - Total	46	10,526,342	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	27	7,554,456	5%
Dept of State	1	1,222,050	1%
DHHS-Dept of Health and Human Services	56	33,585,697	23%
DOC-Dept of Commerce	51	17,216,672	12%
DOD-Department of Defense	47	16,644,770	11%
DOE-Dept of Energy	7	5,261,014	4%
DOI-Dept of Interior	44	4,827,983	3%
ED-Dept of Education	4	1,348,081	1%
Federal Agencies	7	3,097,990	2%
Foreign	21	3,178,551	2%
Hawaii- Business and Other	17	1,106,625	1%
Hawaii- Government Agencies	79	12,951,490	9%
Hawaii- Health Organizations	6	805,960	1%
Hawaii- Non-Profit Organizations	34	3,271,889	2%
Mainland- Business and Other	43	2,887,731	2%
Mainland- Health Organizations	7	414,410	0%
Mainland- Non-Profit Organizations	14	964,973	1%
National Aeronautics and Space Administration	37	7,328,033	5%
National Science Foundation	54	14,462,791	10%
US Colleges and Universities	62	7,334,139	5%
Overall - Total	618	145,465,305	100%

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

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	16	2,732,786	2%
DHHS-Dept of Health and Human Services	23	10,987,474	8%
DOC-Dept of Commerce	10	3,226,362	2%
DOD-Department of Defense	8	2,029,284	2%
DOI-Dept of Interior	10	264,833	0%
DOT-Dept of Transportation	1	124,784	0%
ED-Dept of Education	57	26,262,018	19%
Federal Agencies	14	20,993,743	16%
Foreign	23	5,587,575	4%
Hawaii- Business and Other	16	1,585,256	1%
Hawaii- Dept of Education	4	3,495,612	3%
Hawaii- Government Agencies	100	17,011,450	13%
Hawaii- Health Organizations	34	12,192,602	9%
Hawaii- Non-Profit Organizations	81	6,474,085	5%
Mainland- Business and Other	21	907,646	1%
Mainland- Health Organizations	3	141,274	0%
Mainland- Non-Profit Organizations	16	4,007,239	3%
National Aeronautics and Space Administration	6	1,476,628	1%
National Science Foundation	24	12,144,717	9%
US Colleges and Universities	25	3,093,173	2%
Overall - Total	492	134,738,541	100%