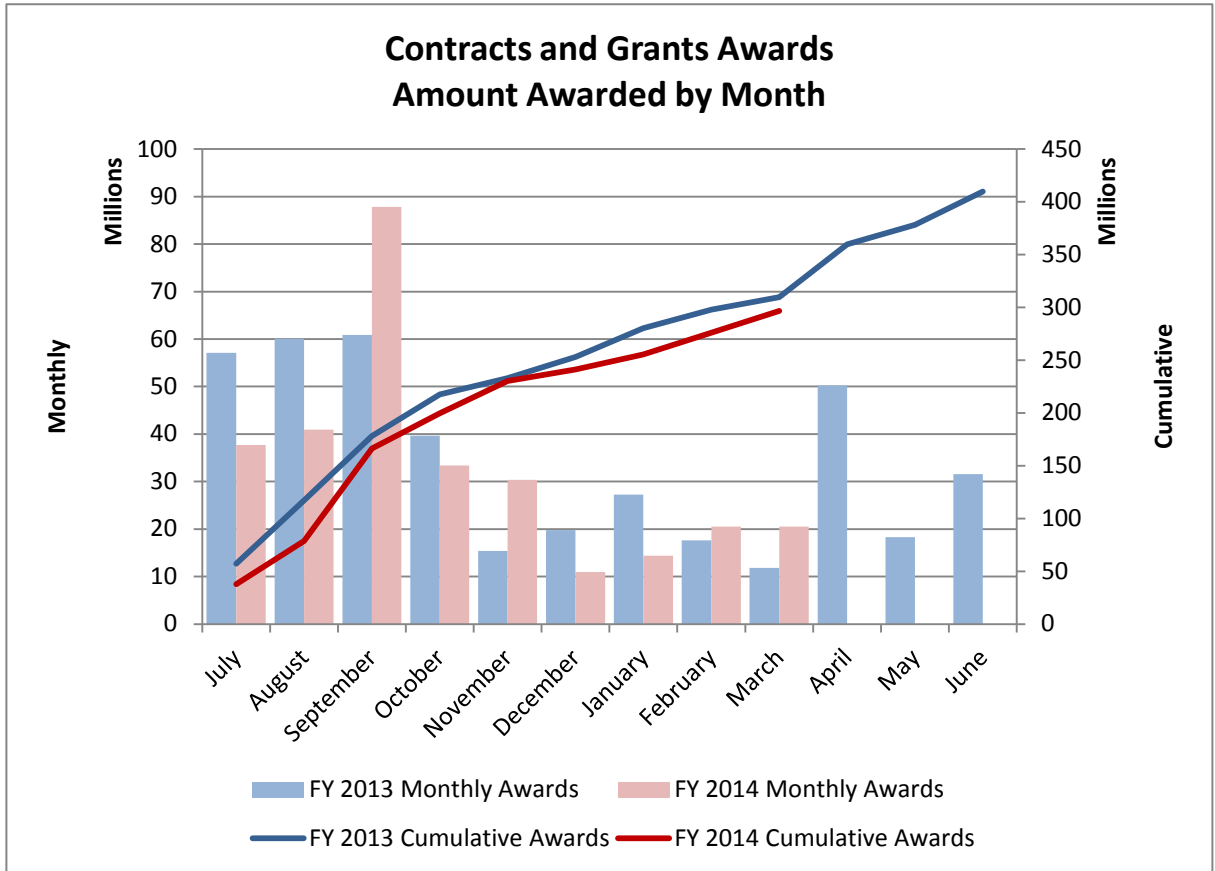
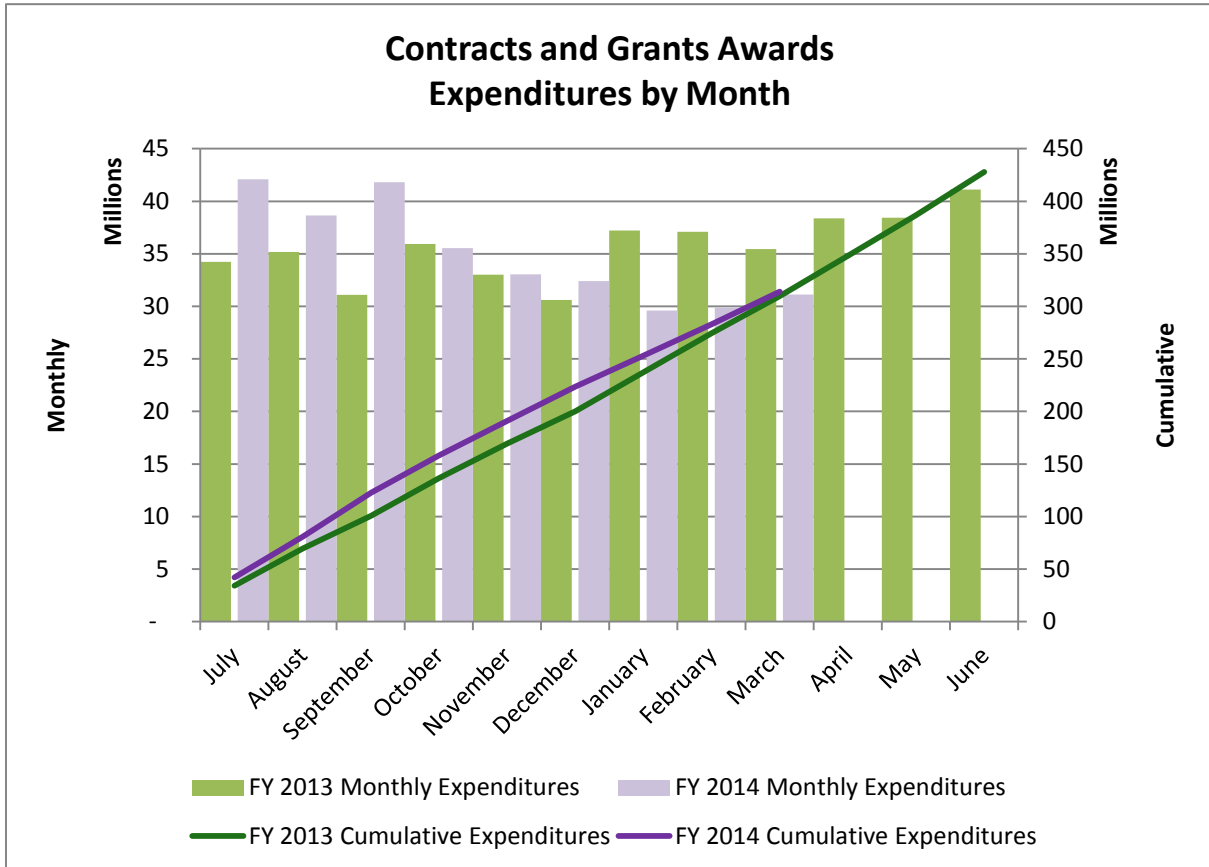


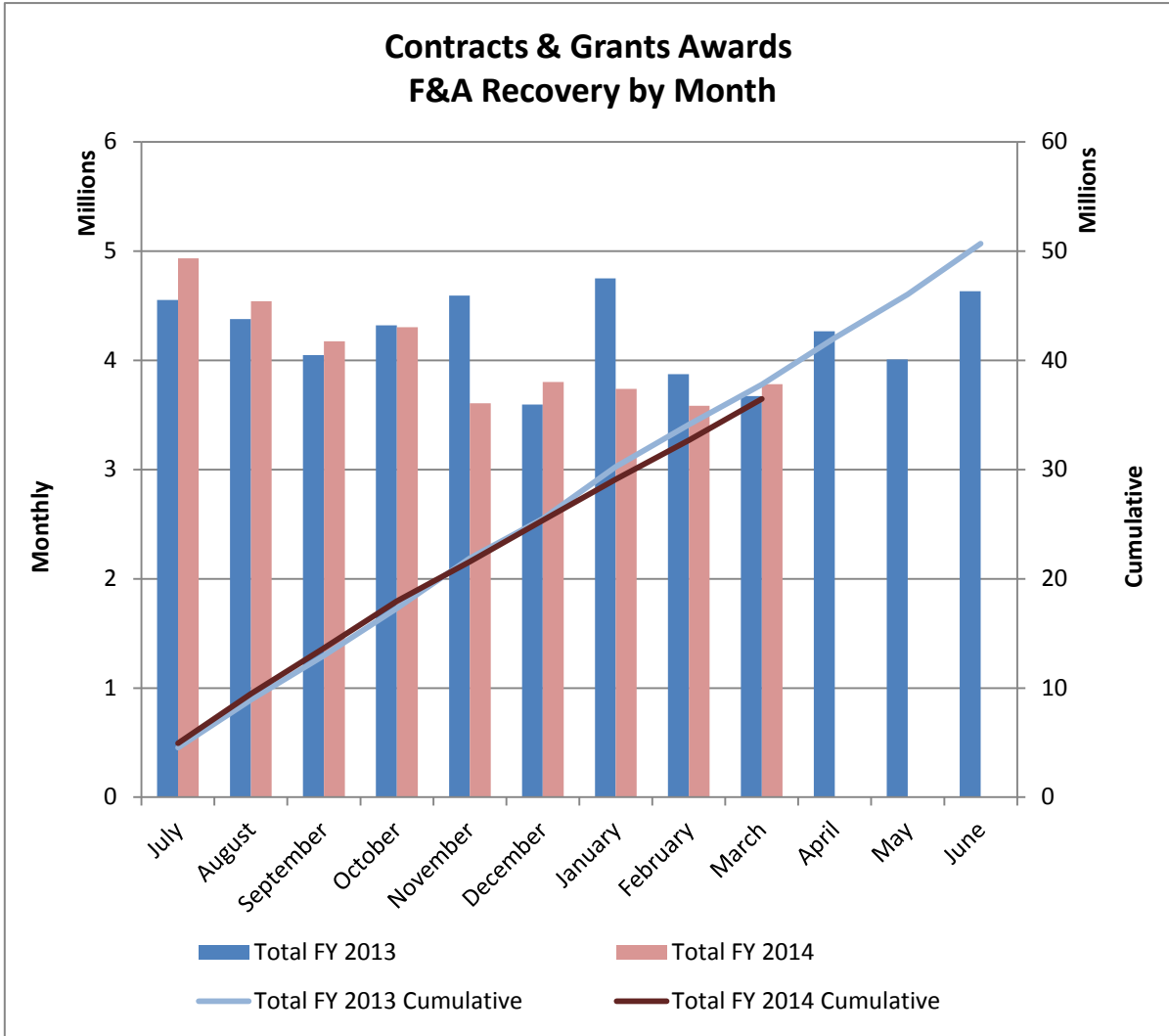
Contracts and Grants Awards  
As of March 31, 2014



Contracts and Grants – Expenditures  
As of March 31, 2014



Contracts and Grants Awards – F&A Recovery  
As of March 31, 2014



## Extramural Sponsor Awards Monthly Summary

<u>Program Type</u>	Mar 31, 2014		Mar 31, 2013	
	<u>Count</u>	<u>Amount</u>	<u>Count</u>	<u>Amount</u>
Non-Research	42	\$4,334,028	45	\$3,396,721
Research	97	\$16,325,270	60	\$8,626,615
<b><u>Total</u></b>	<b><u>139</u></b>	<b><u>\$20,659,298</u></b>	<b><u>105</u></b>	<b><u>\$12,023,336</u></b>

Note: The detailed award listing is available at:

<http://www.ors.hawaii.edu/index.php/bor-reports>

The FY 2013 year-to-date total was: \$309,657,634

The unofficial FY 2014 year-to-date total is: \$296,587,023

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Research

**DA-Dept of Agriculture**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Michael Shintaku	College of Agriculture, Forestry and Natural Resource Mgt	Development and Analysis of Plants with Transgenic Virus Resistance		1	157,378

**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	326,250
HEALTH & HUMAN SVC, DEPT-NIH-FED	Diane Taylor	Department of Tropical Medicine, Medical Micro and Pharm	Defining Immunity to Placental Malaria Using a Multi-Assay Predictive Model	In developing countries, young pregnant women are at risk of spontaneous abortions, premature deliveries and low birth weight babies if they become infected with malaria. A vaccine is feasible for protecting pregnant women; but two problems must be overcome, namely, scientists need to understand the characteristics of antibodies that protect women, and have an assay for measure the efficacy of the vaccine. The goal of this study is to help overcome these problems by using a multi-assay approach to characterize protective antibodies and use the data to build statistical models that predict the probability a woman is immune to malaria.	1	227,500

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	322,493
HEALTH & HUMAN SVC, DEPT-NIH-FED	William Chain	Department of Chemistry	Carbonyls to Cancer Therapeutics	The synthesis and biological evaluation of two anti-cancer natural products, englerin A and psiguadial A, and analogs thereof is proposed in the search for new cancer drug leads.	1	275,143
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG & BLD INST	Olivier Le Saux	Department of Cell and Molecular Biology	The Role of ABCC6 in Chronic and Acute Cardiovascular Mineralization	The overall goal of this proposal is to address the role of ABCC6 in chronic and acute dystrophic calcification.	1	29,000
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	41,853
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	280,235

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	229,604

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Licensing ensures that each component of the entire		

### DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-AIR FORCE RESEARCH LABORATORY	Peter Onaka	Applied Research Laboratory	Wide Eye Camera for 1.2M AFRL Telescope	Build cameras.	1	208,403
DEFENSE, DEPT-DEPUTY UNDR SECRETARY OF DEF	David Lassner	Office of the Vice President for Research and Innovation	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	2,668,373
DEFENSE, DEPT-NATIONAL GEOSPATIAL INTELLEGEENCE AGENCY	John Learned	Applied Research Laboratory	Anti-Neutrino Geolocation Program III	Develop prototype neutrino detector.	1	300,000
DEFENSE, DEPT-NAVY	Michael Vitale	Applied Research Laboratory	IPA - Walker Year 2	Intergovernmental personnel agreement for Starnes Walker - Year 2	1	273,765
DEFENSE, DEPT-NAVY	Whitlow Au	Applied Research Laboratory	Analysis of Acoustic Data on Puuloa Underwater Detonation Range	Analyze acoustic data to detect marine mammals.	1	27,565
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Bo Qiu	Department of Oceanography	Origins of the Kuroshio and Mindanao Currents	This proposed research is to investigate the 3-dimensional structure and temporal variability of the westward-flowing North Equatorial Current (NEC) and its bifurcation into the Kuroshio and Mindanao Currents in the Philippine Sea.	1	155,893
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	192,653
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Shiv K. Sharma	Hawaii Institute of Geophysics and Planetology (HIGP)	Underwater Explosive Detection with a combined Tunable UV and 532 nm Laser Excited Raman Sensors		1	250,967
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	58,534



## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	150,000

### DOE-Dept of Energy

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ENERGY, DEPT	Jean St-Pierre	Hawaii Natural Energy Institute (HNEI)	The Effect of Airborne Contaminants on Fuel Cell Performance and Durability	The objective of the proposed work is to characterize, analyze, and understand the effects of airborne contaminants which have the potential to reduce the performance of durability of proton exchange membrane (PEM) fuel cells.	1	200,000

### DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Chittaranjan Ray	Water Resources Research Center	FY 2012 Annual Application Under Section 104 of the Water Resources Research Act of 1984, as Amended, Dated 01/13/2012	This is the annual allocation of funds under 104B from the USGS' National Institute of Water Resources (NIWR) program. Each institute receives \$92,335.	1	184,670
INTERIOR, DEPT-UNITED STATES GEO SURVEY	H. Annamalai	International Pacific Research Center (IPRC)	Downscaled Climate Projections for Kwajalein Atoll		1	55,956
INTERIOR, DEPT-UNITED STATES GEO SURVEY	H. Annamalai	International Pacific Research Center (IPRC)	Water Resources on Guam - Potential Impacts of Adaptive Response to Climate Change for DoD Installations		1	20,956

### DOT-Dept of Transportation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TRANSPORTATION, DEPT-FED-FED AVIATION ADMIN	Andrew Hashimoto	Western Insular Pac Sun Grant Subcenter	Establishment and Support of the Air Transportation Center of Excellence for Alternative Jet Fuels and Environment		1	5,000

### Foreign

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GUAM, UNIVERSITY OF	Brenda Hernandez	Cancer Etiology	The Influence of Areca (Betel) Nut Chewing on the Oral Microbiome in Micronesia	<p>Areca nut chewing is common in many parts of Asia and the Pacific, with global estimates of 600 million habitual users. The incidence of oral and pharyngeal carcinomas is high in areas where areca nut chewing is common, such as Guam and other parts of 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 (10 years) 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. The availability of new DNA sequencing technologies to characterize the oral microbiome will allow us to compare bacterial 16S rRNA signatures among areca nut chewers and non-chewers, as well as study participants with clinically diagnosed oral disease. The possibility that bacterial species directly or indirectly mediate oral cavity cancer or pre-cancer is largely unexplored. This study will provide research team members with the track record and preliminary data to collaborate on a future R01 proposal of infectious disease mechanisms in oral carcinogenesis.</p>	1	50,191

### Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
London, University of-Royal Holloway	Dusko Pavlovic	Information and Computer Sciences	Semantic completions: unifying the wave and the particle views of information	The available information extraction methods fall into two families, exemplified by Latent Semantic Analysis (LSA) on one hand, and Formal Concept Analysis (FCA) on the other. These two approaches correspond to a wave-based and a particle-based view of information flow. Although these approaches have been settled for a while, this wave-particle divide does not seem to have been explored. We claim that it opens an alley towards a novel methodology for data analysis and information extraction, arising from the idea of semantic completions. Preliminary formalizations of this idea show that the currently available wave-based and the particle-based methods are subsumed as the extremal cases, and that the space in-between is covered by the methods suitable for the processes where information flows both in waves and in particles. We discuss the research paths towards understanding this new approach, and to deriving the new practical tools that it enables.	1	100,000
Nanjing University of Information Science and Technology	Bin Wang	International Pacific Research Center (IPRC)	A Doctor and Post-Doctoral Training Program		1	800,000
NATIONAL ASTRONOMICAL OBSV JAPAN	Colin Aspin	Institute for Astronomy	NAOJ-Subaru Telescope Use of the UH 2.2-m Telescope		1	40,855

**Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Nippon Steel & Sumitomo Metal Corporation	Lloyd Hihara	Mechanical Engineering	Development of Atmospheric Corrosion Test Protocols for Steel	<p>The Hawaii Corrosion Laboratory (HCL) will collaborate with Nippon Steel &amp; Sumitomo Metal Corporation (NSSMC) to conduct atmospheric corrosion tests and analyses to develop a new standardized atmospheric corrosion test protocol that is low cost, easy to install, and durable. The purpose of this corporative work is to help enhance the steel markets in Asian countries by developing a convenient test protocol that can help to predict the corrosivity of the targeted environment so that steels can be properly selected and used.</p> <p>The performance of this test protocols will be evaluated through exposure tests in the field. The first objective is to verify the durability of the test protocol structures, and the second is to verify the correlation between test results from existing standard test protocols and this new protocol.</p> <p>Experimental components of the test protocols will be exposed in Hawaii, USA by the HCL, and also in Japan by the NSSMC group. All of the results will be evaluated jointly to obtain a clear understanding of the performance of the new test protocol.</p>	1	179,430

**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	Effects of Weed Control on Kauai's Endangered Birds		1	8,000

**Hawaii- Government Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-HI - HI ARMY NATL GUARD	Michael Vitale	Applied Research Laboratory	FY 09 State Homeland Security Grant	Technical engineering analysis that identifies and assesses alternative courses of action for sustaining critical broadband communications capabilities that are employed in support of the State of	1	200,000

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				Hawaii's overarching Broadband Initiative.		
DEFENSE, DEPT-HI - HI ARMY NATL GUARD	Michael Vitale	Applied Research Laboratory	HDOD MOA Technical Services	Technical Services to Hawaii State Department of Defenses	2	400,000
HAWAIIAN HOME LANDS, DEPT-HI	Clifford Morden	Department of Botany	Mauna Kea Watershed Alliance Project Management Assistance	Mauna Kea Watershed Alliance will provide technical expertise to assist the Department of Hawaiian Homelands with invasive species control (e.g. gorse), tree maintenance, feral animal control, and native forest restoration.	1	78,723
HEALTH, DEPT-EXEC OFF AGING-HI	David Nixon	Public Administration	ADRC Integration and Implementation	A contract with State of Hawaii Executive Office on Aging, Department of Health, to develop and implement aging policies, programs, and services, as they relate to the mandated statewide rollout of the Aging and Disability Resource Centers. Over three years, PUBA will provide policy and organizational consultation regarding programs and policies on family caregiving, falls prevention, senior living options, elder justice and healthy aging.	1	128,500
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	Fish and Habitat Monitoring and Assessment: Year 3	Monitor and assess marine ecosystems by collecting and compiling data on fish communities, mobile invertebrates, reef benthos, and water temperature and turbidity around Hawaii Island.	1	125,801
LAND & NATURAL RES, DPT-AQUAT (DLNR)	David Duffy	Department of Botany	Support for the Implementation of the State of Hawaii Aquatic Invasive Species Management Plan		1	24,286
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Native Ecosystems Protection and Management Oahu	Protect and manage the best remaining samples of Hawaii's native species and ecosystems in the Natural Area Reserves and Forest Reserves.	1	120,000
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	The State of Hawaii's Plant Extinction Prevention Program	Prevent the extinction of critically endangered native plants through collection of genetic materials for future use in propagation and reintroduction into the wild.	1	9,126
LAND & NATURAL RES, DPT-FORST (DLNR)	Clifford W. Morden	Department of Botany	Threatened and Endangered Species Recovery: Kauai	Conduct applied field research to promote recovery of Kauai's threatened and endangered plants.	1	15,950
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Control of Coqui Frogs at Maliko Gulch Maui Island	Enhanced survey and control work on the invasive coqui frog at Maliko Gulch, Maui.	1	48,275

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Endangered Maui Forest Bird Population Research and Management	Research and manage recovery efforts for endangered Maui forest birds, including the Po'ouli.	1	111,000
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Evaluation of Herbicide Treatments for Invasive Species Mitigation	Research various herbicide treatments and the effectiveness of existing weed sanitation for common weed species threatening intact native forests.	1	51,162
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Forest Restoration on Mauna Kea	Restore native forest areas on Mauna Kea to mitigate the declining population of endangered native Palila, a finch-billed honeycreeper.	1	70,000
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	Natural Area Reserves Management	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	73,500
LAND & NATURAL RESOURCES, DEPT (DLNR)	Alan Friedlander	Department of Zoology	Kiholo and West Maui: Integrating Local Ecological Knowledge with a Novel Scientific Tool to Refine Traditional Community-based Fishing Moon Calendars	This project will assist in the development of community-led moon calendars based on local traditional ecological knowledge and applied scientific techniques at four bays across the main Hawaiian Islands.	1	30,339

### Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EARTHJUSTICE LEGAL DEFENSE FUND	Michael Kido	Pacific Biosciences Research Center	Evaluation of the Impacts of the Kekaha-Kokee Ditch Systems on the Biological Integrity of the Waimea River (Kauai) and Its Major Tributaries		1	6,448
HAWAII COMMUNITY FOUNDATION (HCF)	David Duffy	Department of Botany	Big Island Invasive Species Committee: Healing the land; Awakening the people	Survey and control invasive albizia plants as well as educate residents and visitors on preventing invasive plant seed dispersal.	1	40,000
Hawaii Health Information Exchange	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii Health Information Exchange Focus Groups		1	26,425

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
TRI-ISLE RES CONSERVATION & DEV COUNCIL	David Duffy	Department of Botany	Maui Nui Seabird Recovery Project	Collect and evaluate data on the ranging behaviors of main Hawaiian Island seabirds, including the endangered Hawaiian Petrel and the Wedge-Tailed Shearwater.	1	39,319
UNIVERSITY HAWAII FOUNDATION	Sandi Kwee	Natural Products	Liver Cancer Detection Using Tumor DNA Isolated from the Blood	This study will determine if changes in the quantity and composition of ctDNA isolated from patient blood samples predicts post-treatment response and disease progression of hepatocellular carcinoma.	1	965
UNIVERSITY HAWAII FOUNDATION	William Ward	Institute for Biogenesis Research	IBR Research Fund	The IBR work centers on reproductive biology and funds will be used to continue salaries, fringe and supplies to support the ongoing work of faculty.	1	69,101

### Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	8,951
JET PROPULSION LAB-JPL	Robert Wright	Hawaii Institute of Geophysics and Planetology (HIGP)	Rescoping HyspIRI: The Impact on Geological Science Applications		1	30,000
JET PROPULSION LAB-JPL	Tobias Owen	Institute for Astronomy	Participation in the ROSINA Team on the ESA ROSETTA Mission	To support the participation of Tobias Owen in the ROSINA Mass Spectrometer Experiment of the European Space Agency ROSETTA Mission.	1	21,010
Sierra Lobo Inc.	Richard E Rocheleau	Hawaii Natural Energy Institute (HNEI)	Development of Helium Recovery System for Rocket Test Systems	To investigate the feasibility of using proton exchange membrane fuel cell (PEMFC) technology in a novel application to purify helium gas by removing hydrogen.	3	150,000
SWCA ENVIRONMENTAL CONSULTANTS	David Duffy	Department of Botany	BIISC: Survey and Eradication of High-Priority Species along State Roads	Perform survey of priority invasive and native plant species along Hawaii Island's roadways, report the data via GIS database, and conduct control of target species	1	105,812

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
SWCA ENVIRONMENTAL CONSULTANTS	David Duffy	Department of Botany	KISC: Survey and Eradication of High-Priority Species along State Roads	Perform survey of priority invasive and native plant species along Kauai roadways, report the data via GIS database, and conduct control of target species	1	84,663
SWCA ENVIRONMENTAL CONSULTANTS	David Duffy	Department of Botany	MISC: Survey and Eradication of High-Priority Species along State Roads	Perform survey of priority invasive and native plant species along Maui roadways, report the data via GIS database, and conduct control of target species	1	100,782
SWCA ENVIRONMENTAL CONSULTANTS	David Duffy	Department of Botany	OISC: Survey and Eradication of High-Priority Species along State Roads	Perform survey of priority invasive and native plant species along Oahu roadways, report the data via GIS database, and conduct control of target species	1	65,358

### Mainland- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
SOUTHWEST ONCOLOGY GROUP	Jeffrey Berenberg	Clinical Sciences	SWOG Purchase Service Agreement - Federal	UH will be conducting cooperative cancer trials for cancer patients. Financial support will be provided by the SWOG PSA.	1	13,850

### Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Cancer Prevention Institute of California	Lynne Wilkens	Cancer Etiology	Obesogenic environment: impact on breast, colorectal, and prostate cancer risk	Obtain information on neighborhoods of ~82,000 African Americans and Latinos using geographic information systems technology. Investigate whether neighborhood characteristics related to obesity influence breast, colorectal, prostate cancer risk. Create data set including neighborhood and individual level data for MEC members, run analyses to determine which factors are associated with incidence.	1	31,814



## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Conservation International - Hawaii Fish Trust	Alan Friedlander	Department of Zoology	FERL Catch and Production of Nearshore Fisheries	The overarching goal of the contracted research is to fill critical knowledge gaps in fisheries ecosystem production for nearshore fisheries in order to improve sustainable fisheries management . This will be achieved through: I. Estimate the total production and catch from nearshore fisheries in the Main Hawaiian Islands and II. Help combine production estimates with work from other researchers focused on quantifying economic values and sociocultural benefits for nearshore fisheries in the Main Hawaiian Islands.	1	63,310

### National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Alexander Krot	Hawaii Institute of Geophysics and Planetology (HIGP)	Mineralogy, Petrology, and Isotope Composition of Chondrite Components	To confirm a genetic relationship between rare flat earth element (chondrules), we propose to analyze isotope compositions and trace element abundances in rare chondrules. Using measuring instruments such as the Cameca lms-1280.	1	10,500
NATIONAL AERONAUT & SPACE ADM	Daniel O'gara	Institute for Astronomy	NNG11383774-3M Satellite Laser Ranging Support Services for the Transportable Laser Ranging System (TLRS-4) Haleakala, Maui	Support services, maintenance and calibration of the TLRS-4 system on Haleakala Summit, Maui.	1	100,000
NATIONAL AERONAUT & SPACE ADM	Harald Ebeling	Institute for Astronomy	Beyond MACS: An All-Sky Search for the Most X-ray Luminous Clusters of Galaxies out to z~1	We propose to use the faintest X-ray sources detected in the ROSAT All-Sky Survey and imaging data from Pan-STARRS (PS1) to identify the most massive, distant galaxy clusters. The properties of these systems will then be used to investigate the nature of dark matter and dark energy.	1	59,630
NATIONAL AERONAUT & SPACE ADM	Karen Meech	Institute for Astronomy	Water and Habitable Worlds	This project will trace the history of water from its formation in the interstellar medium to incorporation in the solar system, how it reaches the terrestrial planets, and its role in life	1	175,792
NATIONAL AERONAUT & SPACE ADM	Nader Haghighipour	Institute for Astronomy	Searching for Circumprimary and Circumbinary Planets in the Kepler Data	We propose to look for planets in and around binary stars in Kepler data.	1	109,583

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Oleg Melnichenko	International Pacific Research Center (IPRC)	Ocean Water, Heat and Salt Transport by Mesoscale Eddies		1	72,391
NATIONAL AERONAUT & SPACE ADM	Paul Lucey	Hawaii Institute of Geophysics and Planetology (HIGP)	Support to NASA Goddard LRO LOLA Investigation		1	125,000
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	69,232
NATIONAL AERONAUT & SPACE ADM	R Tully	Institute for Astronomy	Cosmic Flows with WISE	The program will map the peculiar motions and large scale flows of galaxies out to 200 Mpc (megaparsec) in order to constrain the distribution of mass in this large, representative volume of the Universe.	1	85,719
NATIONAL AERONAUT & SPACE ADM	Richard Wainscoat	Institute for Astronomy	NEO Discovery and Characterization with the Pan-STARRS PS1 Telescope	We will use the Pan-STARRS PS1 telescope system to rapidly survey large areas of the sky to search for and characterize NEOs	1	500,000

### National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Alexander N Shor	School of Ocean and Earth Science and Technology	R/V Kilo Moana Ship Operations 2012-2016	Operation of research vessel R/V Kilo Moana in support of NSF funded ocean science	1	2,936,000
NATIONAL SCIENCE FOUNDATION	Andrea Berez	Department of Linguistics	Making Pacific Language Materials Discoverable: Identifying and Describing Indigenous Languages in the University of Hawai'i at Manoa Pacific Collecti		1	122,317
NATIONAL SCIENCE FOUNDATION	Axel Timmermann	International Pacific Research Center (IPRC)	Collaborative Research: Bipolar Coupling of late Quaternary Ice Sheet Variability		1	380,684

### Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Bridget R Smith-Konter	Department of Geology and Geophysics	CAREER: An Integrated Geologic, Geodetic, and Paleoseismic Study of Plate Boundary Stress Evolution and Geoscience Education Utilizing the EarthScope Database		1	196,795
NATIONAL SCIENCE FOUNDATION	Bruce Houghton	Department of Geology and Geophysics	Ending a Powerful Explosive Eruption: The Case Study of Novarupta 1912, Alaska		1	243,414
NATIONAL SCIENCE FOUNDATION	Garrett Apuzen-Ito	Department of Geology and Geophysics	Beyond the 'Classical' mantle Plume Concept: Upwelling Dynamics, Seismic Structure, and Partial Melting of Thermochemical Plumes	Numerical models will be used to simulate convection and melting of mantle composed of different rock types and study the origin of oceanic volcano chains. Predictions of lava composition and seismic wave-speed structure will be used to test models against observations at Hawaii and at islands in the South Pacific.	1	21,454
NATIONAL SCIENCE FOUNDATION	Marguerite Butler	Department of Biology (Biology Program)	Collaborative Research: Systematics and Adaptive Radiation of Papuan Asterophryinae Frogs	Study the microhylid frogs of Papua New Guinea, which is a hotspot of biodiversity for frogs. We will study how they are related, and how they have evolved to occupy different niches in the environment. We are interested in whether plate tectonics has played a role in the unusual amount of new species formed in this group	1	9,300
NATIONAL SCIENCE FOUNDATION	Peter Benjamin James Marko	Department of Biology (Biology Program)	Gene Flow and Divergence Across the Equatorial Tropical Marine Barrier: Past, Present and Future		1	167,251
NATIONAL SCIENCE FOUNDATION	Przemyslaw Dera	Hawaii Institute of Geophysics and Planetology (HIGP)	Metastable Transformations of Pyroxenes in Subducting Slabs		1	209,183
NATIONAL SCIENCE FOUNDATION	Thomas Ranker	Department of Botany	REVSYS: Systematics of Paleotropical Grammitid Ferns (Polypodiaceae): Using Phylogenies to Resolve Generic Circumscriptions and Explore the...	The proposed project is a molecular and morphological phylogenetic study of a group of paleotropical ferns.	1	6,250
NATIONAL SCIENCE FOUNDATION	Yi-leng Chen	Department of Meteorology	Characteristics of Island-Scale Airflow and Climate over the Hawaiian Islands	In this Project, we would like to study the archipelago-scale and island-scale structure and dynamics of climate features over Hawaii and the coastal waters from high-resolution modeling	1	130,316

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

**US Colleges and Universities**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CALIFORNIA DAVIS, UNIVERSITY OF	Charlene Cuaresma	Student Equity Excel & Diversity	AANCART: The National Center for Reducing Asian American Cancer Health Disparities	The overall vision is to reduce cancer disparities among Asian Americans. Using community-based participatory research, the Center will use its established network and academic-community partnerships to conduct innovative outreach, research and training efforts in five cities in Hawaii, California, and Washington.	1	56,301
CALIFORNIA DAVIS, UNIVERSITY OF	Qing Xiao Li	Molecular Biosciences and Bioengineering	Rapid Assays to Assess Human Exposure to Pesticides	We will quantify pesticide exposure in agricultural workers who are employed to chase birds from seed corn fields.	1	54,531
CALIFORNIA INST OF TECHNOLOGY	David Tholen	Institute for Astronomy	NEOWISE Reactivation: Orbital Element Updates for Known Solar System Object Association		1	25,000
California Santa Barbara, University of	Alan Friedlander	Department of Zoology	Developing a comprehensive database of reef benthic communities for Hawaiian Archipelago	This project will develop and populate a comprehensive database of coral reef benthic community data for the Hawaiian Archipelago. Currently a number of datasets exist, but never before have they been combined in a single, streamlined database. We will contact individual researchers, and lead persons of major monitoring programs to acquire individual datasets. These data will be transformed into in a common format and will undergo quality control and analysis. The data on benthic species composition will be paired with an existing database on reef fish communities, together with other meta-data (descriptive data) on sampling locations and sites.	1	37,986

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CONNECTICUT, UNIVERSITY OF	Rebecca Joy Williams	Office of Public Health Studies	Experiment Testing Message Strategies for Pregnant Women Smoking Cessation & Reduction & Post-Partum Relapse Prevention	The goal of this study is to understand whether carefully crafted communication can impact levels of smoking during pregnancy and post-partum. Pregnant woman of Native Hawaiian decent or low income woman will be recruited to participate. Participants will be assigned to a control (no message) vs. smoking message condition. They will be exposed to messages after taking the baseline, during pregnancy, and post-partum. The messages include a set of testimonial videos shared with women during the baseline assessment and afterwards on YouTube, project website, and project Facebook page. Women will receive text messages urging them to look at the videos as they become available. Videos are timed to be distributed over the remainder of their pregnancy. Women will be assessed at baseline, immediately after seeing the 1st set of messages, and at 4-6 weeks post-partum.	1	21,431
DREW, CHARLES R, UNIVERSITY	Lana Garmire	Cancer Etiology	An Integrative Bioinformatics Platform with Application in Single Cancer Cells	The informatics platform based on the single-cell assays could be generalized to population cancer cell level. Hawaii is known to have significant cancer disparities among Native Hawaiian and Pacific Islanders (NHPI). This technology developed help will facilitate integrative investigations on various types of cancers that have highest incidence rates among NHPI, such as breast cancer among NHPI women, and liver cancer among NHPI men.	1	10,000

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
GEORGIA STATE UNIVERSITY	Pebbles Fagan	Social and Behavioral Sciences	Assessing Risk Perceptions of Flavored Small Cigars/Cigarillos Among Young Adults	In 2009, the Family Smoking Prevention and Tobacco Control Act banned flavored cigarettes, with the exception of menthol. This ban did not apply to little cigars or cigarillos (LCCs) where 86.3% of the sales market is a flavored brand. Risk perceptions may explain the increased popularity of flavored LCCs. The proposed study will develop a risk perception scale and generate new knowledge on risk perceptions related to flavored LCCs among African American, White, and Hispanic young adults aged 18-34. We hypothesize that cigarette smokers who perceive lower harm of flavored LCCs are at increased risk for trying flavored LCCs, resulting in dual use behaviors, or even switching to flavored LCCs. Our team will conduct focus groups among cigarette smokers to understand risk perceptions of flavored LCCs and use the data to develop a risk assessment tool. A survey will be pilot tested among young adults and used to determine the association of risk perceptions with intention to smoke and susceptibility to LCCs. This study will fill a significant gap in our understanding of how to measure risk perceptions related to flavored LCCs and provide the FDA with new knowledge on how flavored LCCs influence uptake behaviors among young adults.	1	18,418
Montclair State University	Julia Eve Hammer	Department of Geology and Geophysics	Static and Shock Pressure Treatment of Synthetic Mars Basalts: Understanding the Evolution of Crustal Magnetic Anomalies	We will investigate the origin and subsequent modification of strongly magnetized Mars crust. Synthetic basalts will be subjected to increasing pressure treatments in order to evaluate the effects of static and dynamic pressure on rock magnetic properties	1	9,870
UTAH STATE UNIVERSITY	Koon-hui Wang	Plant and Environmental Protection Sciences	Evaluating the Potential of Oyster Mushroom Compost Waste for Plant-Parasitic Nematodes Management		1	12,454

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
WASHINGTON, UNIVERSITY OF	Lishomwa Ndhlovu	Department of Tropical Medicine, Medical Micro and Pharm	Mechanisms of NK cell Dysfunctions in the Failure to Control HIV Infection	Our long-term goal is to develop novel interventions targeting the Tim-3 pathway to improve the innate immune effector response the natural killer cell response against HIV-1 in order to prevent and durably control infection, thereby halting HIV disease progression.	1	33,331
<b>Research - Total</b>					<b>97</b>	<b>16,325,270</b>

### Non-Research

#### 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	205,161

#### 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	Pacific Islands Coastal Storms Program Education and Outreach Cooperative Agreement	NOAA CSP Supplement, Amendment 15.	1	110,746

#### DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Sheryle Ann Proper	Chancellor, UH West Oahu	Establish a STEM Center of Excellence and a Bachelor of Applied Science Concentration in Facilities Management Academic Program	Establish a STEM Center of Excellence and a Bachelor of Applied Science Concentration in Facilities Management academic program	1	245,676

#### 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 Membership Dues for Hawaii Conservation Alliance.		1	9,000

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

**Foreign**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMONWEALTH OF NO MARIANA ISLANDS	Norman Okamura	Social Science Research Institute	Commonwealth of the Northern Marianas (DNMI) HRSA Rural Health Network Development Project	Plan, furnish, & deliver a Mirth Connect application for secure information exchange; establish a Nationwide Health Information (NwHIN) Connect Software System testbed; & develop Data Use and Reciprocal Support Agreements (SURSA) for CNMI HIE/HIT/HER.	1	173,658

**Hawaii- Business and Other**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ALU LIKE INC	Ronny Umehira	Chancellor, Leeward Community College	LEEWARD COMMUNITY COLLEGE, HO'OULU PROJECT (to Inspire, to Grow)	<p>Lawe i ka ma'alea a kû'ono'ono Take wisdom and make it deep. 'Ōlelo No'eau, Pūku'i)</p> <p>To expand and improve upon the past project years successes, the Ho'oulu Project will direct its recruitment, retention, graduation/transfer, and career development activities to support two high demand and high wage professional pathways: STEM (Science, Technology, Engineering &amp; Math,) and, Career and Technical Education (CTE) disciplines. By directing college retention, career development, and graduation strategies toward Native Hawaiian students in these majors, the Ho'oulu Project will continue to provide participants with rigorous, relevant, and culturally nurturing services and activities to educate and train Native Hawaiians to meet Hawai'i's workforce needs within the 21st Century global economy. Further, by increasing the number of Native Hawaiian professionals in the aforementioned fields, the Ho'oulu Project will produce best-qualified Native Hawaiian professionals who will have kuleana (responsibilities) to nurture future Native Hawaiian students as they pursue careers in these emerging fields.</p> <p>Informed by data collected and propelled by partnerships secured during Project Year 09 13, the Ho'oulu (2013 -2015) will focus on the following objectives to improve and expand its outcomes: 1) shifting the proportions of our</p>	1	42,181



**Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				participants to 50% CTE and 50% STEM 2) introducing huaka'i (field experiences) into CTE and STEM industry sites where participants gain networking, career insights, and practical skill-building opportunities, and 3) refining the Kupuohi Experience Career Development Series to equip participants with the knowledge and technical skill sets expected of best-qualified candidates for employment.		
KAMEHAMEHA SCHOOLS	Winona Lee	Native Hawaiian Center of Excellence	Nanakuli Pathways to Health	The Native Hawaiian Center of Excellence at the University of Hawaii, John A. Burns School of Medicine proposes to pilot the N&#257;n&#257;kuli Health Pathways in collaboration with the Ka Pua Initiative for Nanakuli High and Intermediate School. There are 3 components to the Pathway which are will be grounded in a culturally relevant framework and sequenced commensurate with a student's knowledge, skills, and abilities: 1) Health Explorations, 2) the N&#257;n&#257;kuli Health Academy and, 3) the Summer Health Academy. This project meets NHCOE's mission to improve the health of Native Hawaiians through education, research, and community partnerships.	1	234,227
MAUI COUNTY COMMUNITY TELEVISION	Clyde M. Sakamoto	Chancellor, UH Maui College	MCTV Educational Access Activities, Responsibilities, Services For Higher Education - Channel 55 (MCTV) Services and Activities	University of Hawaii Maui College (UHMC) operates, maintains, creates programming and manages the broadcast/cablecast operations of MCTV, Cable 55. Channel operations are headquartered within the Kaaie Building on the Kahului campus. Operations are coordinated by The Media Center. The channel is operated 24/7/365.	1	78,171

**Hawaii- Dept of Education**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-HI	Linda Buck	Chancellor, Honolulu Community College	Hawaii Child And Adult Care Food Program - Honolulu Community College	Child and Adult Care Food Program (CACFP) provides aid for the provision of nutritious foods that contribute to the wellness, healthy growth, and development of young children,	1	29,100

**Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				and the health and wellness of older adults and chronically impaired disabled persons.		

**Hawaii- Government Agencies**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-HI	Alvin Huang	Human Nutrition, Food and Animal Sciences	An Effective Action Plan to Promote "Buy Local" It Matters" via Multi-Facet Measures with a Message on Health and Value	The proposal will strengthen public awareness that food grown and produced in Hawaii will bring to consumers greater health and culinary qualities far outweigh factors such as cost difference.	1	99,910
COUNTY MAUI OFC OF ECON DEVEL	Catherine Bio	Student Affairs (UH Maui College)	PY2013 Year Round Youth Services Under the Workforce Investment Act	The overriding mission of the Kuina Program is to encourage and facilitate the youths successful transition to independence and self-sufficiency.	1	49,522
COUNTY MAUI OFC OF ECON DEVEL	Lori Teragawachi	Chancellor, UH Maui College	Ka Ipu Kukui Fellows Leadership Program 2014	Ka Ipu Kukui Fellows Program was conceived to provide significant help in training future leaders for Maui County through a comprehensive community based leadership program.	1	25,000
HAWAIIAN AFFAIRS, OFFICE OF	David Sing	Center For Gifted And Talented Native Hawaiian Children	Na Pua No`eau Program, the Center for Gifted and Talented Native Hawaiian Children		1	590,000
HEALTH, DEPT-CHILD/ ADOLESC MENTAL HLTH DIV-HI	Paula Morelli	School of Social Work	'Ohana Ho'oikaika	The Hi`ilei and Ohana Hooikaika Projects integrate the CASSP principles, CAMHD clinical standards, and Evidence-Based Services into the clinical practice of both students and CAMHD staff to ensure quality care for children and families. This proposal retains parts of both contracts into a single proposal designed to meet part of each projects scope of services. Project Kealahou (SAMHSA) in incorporated starting 07/01/13	1	207,379
HEALTH, DEPT-HI	Rebecca Ozaki	Center on Disability Studies/University Affiliated Pgms	State of Hawaii Department of Health, Developmental Disabilities Division		1	600,000

**Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LABOR & INDUSTRIAL RELATION, DPT-HI (DLIR)	Farrah-marie Kawailani Gomes	Vice Chancellor for Research	CCECS Employment Training Fund Proposal	CCECS submits this non-financial application to the Hawaii Department of Labor and Industrial Relations Employment Training Fund (ETF) Program. This will enable CCECS to be more competitive in the field of employment training offerings and would allow for the generation of additional revenue.	1	74,155
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Na Ala Hele Oahu Trail Monitoring, Maintenance and Outreach	The objective of this project is to provide public outreach, trail monitoring, volunteer coordination as well as continue standard maintenance on Oahus public hiking trails, roads and management areas in a manner consistent with Division of Forestry and Wildlife (DOFAWs) statewide trail and access program.	1	80,000
LAND & NATURAL RESOURCES, DEPT (DLNR)	Kenneth Kaneshiro	Pacific Biosciences Research Center	Statewide Endangered Plant Program, Mid-Elevation Rare Plant Facilities (Olinda)	Provide services for ex situ propagation and maintenance of critically endangered Hawaiian plant species at Olinda Rare Plant Facility	1	30,996

**Hawaii- Health Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
PACIFIC IN VITRO FERTILIZATION INSTITUTE	Ivica Zalud	Department of Obstetrics, Gynecology and Women's Health	Reimbursement Agreement Fiscal Year 2012 - Agreement No. SF13-PIVF-OBGYN		1	1,045
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Cecilia Shikuma	Hawaii Center for Aids Research	UCERA and John A. Burns Foundation SUBCONTRACT	This agreement is to provide technical and support staff supervised directly by the Departments of the John A. Burns School of Medicine for which the UCERA contractual funding is helping to build and sustain these departments.	1	46,308

**Hawaii- Non-Profit Organizations**

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Domestic Violence Action Center	Mary Boland	School of Nursing and Dental Hygiene	Student Support	Participation in twelve consortium meetings during the planning phases and assist in achieving the objectives of Phase 1 and 2	1	3,000

Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				through consortium activities.		
PAC RESOURCES FOR ED & LEARNING (PREL)	Donald Young	College of Education	Pacific Regional Comprehensive Center	UH COE will provide high-quality technical assistance that focuses on key initiatives; aligns with the work of the U.S. Department of Education funded Content Centers; and builds the capacity of Pacific region State Education Agencies (SEAs) to implement, scale up, sustain, and support SEA and school- level initiatives that improve student outcomes, close achievement gaps, and improve the quality of instruction.	1	223,345
PAC RESOURCES FOR ED & LEARNING (PREL)	Judith Lemus	Hawaii Institute of Marine Biology (HIMB)	Pacific Islands Climate Change Education Partnership (PCEP) Climate Science Teacher Institute		1	51,056
UNIVERSITY HAWAII FOUNDATION	Arnold Hara	Plant and Environmental Protection Sciences	Hau`oli Mau Loa CGAPS CTAHR Research Assistantship 2014-2016		1	13,000
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	2,775
UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Astronomy Center Membership		1	29,832
UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Mobile Science Laboratory		1	207,024
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	75,000
UNIVERSITY HAWAII FOUNDATION	Mary Boland	School of Nursing and Dental Hygiene	The Matsuda Sano Chair	Contract agreement for the transfer of funds from The Matsuda Sano Chair account to provide salary support for Dr. Maureen Shannon who was appointed Matsuda Sano Chair.	1	59,613
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	3,305

## Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Sang-Hyop Lee	Center for Korean Studies	CKS Educational Activities	Pay for honoraria and faculty overload.	1	3,000

### Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Aerospace Testing Alliance	Wayne Shiroma	Hawaii Space Flight Laboratory	Environmental Testing of a Radar Calibration CubeSat	The objective of this project is to assist Air Force personnel in performing environmental testing of a Radar Calibration CubeSat developed by the University of Hawaii	1	24,096
GILEAD FOUNDATION - GILEAD SCIENCES INC	Cecilia Shikuma	Hawaii Center for Aids Research	GS-US-216-0130: A Phase 3b, Open-Label, Single Arm Study to Evaluate the Safety and Efficacy of Cobicistat-Boosted Darunavir Plus Two Fully Active...	We plan to recruit, screen, enroll and manage HIV-infected, HIV treatment inexperienced and experienced participants on a research study investigating an experimental combination treatment regimen. We will be administering the study drugs, then monitoring the participants for side effects and efficacy.	1	6,400
LOCKHEED MARTIN CORP SPACE SYSTEMS	Stuart Jefferies	Institute for Astronomy	RASTER Proposal Support	Proposal preparation for Lockheed Martin Submission to AFRL RASTER program.	1	20,000
PSI	Michelle Miyashiro	Clinical Sciences	PUMA-NER-1301: A Study of Neratinib Plus Capecitabine Versus Lapatinib Plus Capecitabine in Patients With HER2+ Metastatic Breast Cancer Who Have Rec	Phase 3 3rd line clinical trial for patients with metastatic breast cancer comparing neratinib vs lapatinib, both with capecitabine	1	166,809

### Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
ANHEUSER-BUSCH COMPANIES- AH BUSCH FDTN	Andrew Nichols	Office of Student Affairs	Manoa Alcohol Project	Provide social norms-based alcohol prevention campaign targeted at undergraduates of UH-Manoa.	1	25,000
CASEY, ANNIE E., FOUNDATION	Ivette R Stern	Center on the Family	Hawaii KIDS COUNT 2012	Activities to support KIDS COUNT in 2012.	1	100,000
Council on International Educational Exchange	Spencer Kimura	William S. Richardson School of Law	Meiji University STUDY TOUR 2014		1	8,800

### National Science Foundation

### Gift, Grants, and Contracts for Mar 1, 2014 to Mar 31, 2014

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Lennox Cowie	Institute for Astronomy	NSF Fellowship Regina Jorgenson Probing the Gas that Fuels Star Formation in Typical High Redshift Galaxies - Institutional Allowance	Institutional allowance of \$3,000.00/year provided by NSF	1	3,000

#### US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NEW MEXICO STATE UNIVERSITY	Luke Flynn	Hawaii Institute of Geophysics and Planetology (HIGP)	NASA Cooperative Agreement Notice (CAN) Space Grant Innovative Pilot in STEM Education		1	231,630
PURDUE UNIVERSITY	Maria Haws	Pacific Aquaculture and Coastal Resources Ctr	Aquaculture production and human health in Ghana and Tanzania (subcontract to Purdue)	provide technical assistance for shellfish farming in Tanzania	1	115,108
RUTGERS, STATE UNIVERSITY OF NEW JERSEY	Kenneth Morris	Pharmaceutical Sciences	UHH Outreach Partner Proposal for the NSF-ERC-SOPS		1	30,000
<b>Non-Research - Total</b>					<b>42</b>	<b>4,334,028</b>
<b>Overall - Total</b>					<b>139</b>	<b>20,659,298</b>

**Funds Received from UH Foundation for Mar 1, 2014 to Mar 31, 2014**

**Non-Research**

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Sang-Hyop Lee	Center for Korean Studies	CKS Educational Activities	Pay for honoraria and faculty overload.	1	3,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Arnold Hara	Plant and Environmental Protection Sciences	Hau`oli Mau Loa CGAPS CTAHR Research Assistantship 2014-2016		1	13,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Astronomy Center Membership		1	29,832
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Mobile Science Laboratory		1	207,024
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	75,000
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	2,775
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	3,305
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Mary Boland	School of Nursing and Dental Hygiene	The Matsuda Sano Chair	Contract agreement for the transfer of funds from The Matsuda Sano Chair account to provide salary support for Dr. Maureen Shannon who was appointed Matsuda Sano Chair.	1	59,613

**Research**

**Funds Received from UH Foundation for Mar 1, 2014 to Mar 31, 2014**

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	William Ward	Institute for Biogenesis Research	IBR Research Fund	The IBR work centers on reproductive biology and funds will be used to continue salaries, fringe and supplies to support the ongoing work of faculty.	1	69,101
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Sandi Kwee	Natural Products	Liver Cancer Detection Using Tumor DNA Isolated from the Blood	This study will determine if changes in the quantity and composition of ctDNA isolated from patient blood samples predicts post-treatment response and disease progression of hepatocellular carcinoma.	1	965
<b>Overall - Total</b>						<b>10</b>	<b>463,615</b>



**Extramural Research Awards for the Month  
Mar 1, 2014 to Mar 31, 2014  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	1	157,378	1%
DHHS-Dept of Health and Human Services	8	1,732,078	11%
DOD-Department of Defense	10	4,286,153	26%
DOE-Dept of Energy	1	200,000	1%
DOI-Dept of Interior	3	261,582	2%
DOT-Dept of Transportation	1	5,000	0%
Foreign	5	1,170,476	7%
Hawaii- Business and Other	1	8,000	0%
Hawaii- Government Agencies	17	1,636,662	10%
Hawaii- Non-Profit Organizations	6	182,258	1%
Mainland- Business and Other	10	566,576	3%
Mainland- Health Organizations	1	13,850	0%
Mainland- Non-Profit Organizations	2	95,124	1%
National Aeronautics and Space Administration	10	1,307,847	8%
National Science Foundation	11	4,422,964	27%
US Colleges and Universities	10	279,322	2%
<b>Overall - Total</b>	<b>97</b>	<b>16,325,270</b>	<b>100%</b>

**Extramural Non-Research Awards for the Month of  
Mar 1, 2014 to Mar 31, 2014  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DHHS-Dept of Health and Human Services	1	205,161	5%
DOC-Dept of Commerce	1	110,746	3%
DOD-Department of Defense	1	245,676	6%
DOI-Dept of Interior	1	9,000	0%
Foreign	1	173,658	4%
Hawaii- Business and Other	3	354,579	8%
Hawaii- Dept of Education	1	29,100	1%
Hawaii- Government Agencies	9	1,756,962	41%
Hawaii- Health Organizations	2	47,353	1%
Hawaii- Non-Profit Organizations	11	670,950	15%
Mainland- Business and Other	4	217,305	5%
Mainland- Non-Profit Organizations	3	133,800	3%
National Science Foundation	1	3,000	0%
US Colleges and Universities	3	376,738	9%
<b>Overall - Total</b>	<b>42</b>	<b>4,334,028</b>	<b>100%</b>

**Year to Date Extramural Research Awards  
Jul 1, 2013 to Mar 31, 2014  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	34	9,500,719	5%
Dept of State	3	1,499,000	1%
DHHS-Dept of Health and Human Services	60	31,453,740	18%
DOC-Dept of Commerce	51	16,866,952	9%
DOD-Department of Defense	58	36,732,553	21%
DOE-Dept of Energy	14	3,981,944	2%
DOI-Dept of Interior	65	4,938,059	3%
DOT-Dept of Transportation	2	10,000	0%
ED-Dept of Education	1	467,285	0%
Federal Agencies	7	2,541,429	1%
Foreign	18	4,209,595	2%
Hawaii- Business and Other	18	1,204,065	1%
Hawaii- Government Agencies	111	13,541,475	8%
Hawaii- Health Organizations	3	395,315	0%
Hawaii- Non-Profit Organizations	52	4,007,685	2%
Mainland- Business and Other	49	3,793,697	2%
Mainland- Health Organizations	8	336,808	0%
Mainland- Non-Profit Organizations	24	1,829,040	1%
National Aeronautics and Space Administration	59	11,689,428	7%
National Science Foundation	72	22,089,000	12%
US Colleges and Universities	79	6,685,800	4%
<b>Overall - Total</b>	<b>788</b>	<b>177,773,589</b>	<b>100%</b>

**Year to Date Extramural Non-Research Awards  
Jul 1, 2013 to Mar 31, 2014  
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	12	2,011,537	2%
DHHS-Dept of Health and Human Services	28	14,358,345	12%
DOC-Dept of Commerce	13	3,309,780	3%
DOD-Department of Defense	10	1,880,169	2%
DOI-Dept of Interior	11	458,037	0%
ED-Dept of Education	57	24,659,794	21%
Federal Agencies	12	8,797,060	7%
Foreign	28	8,750,224	7%
Hawaii- Business and Other	17	2,886,458	2%
Hawaii- Dept of Education	8	2,999,418	3%
Hawaii- Government Agencies	83	15,057,911	13%
Hawaii- Health Organizations	30	7,013,853	6%
Hawaii- Non-Profit Organizations	107	5,992,587	5%
Mainland- Business and Other	20	2,551,631	2%
Mainland- Health Organizations	4	71,300	0%
Mainland- Non-Profit Organizations	26	1,856,441	2%
National Aeronautics and Space Administration	6	3,387,268	3%
National Science Foundation	24	11,555,677	10%
US Colleges and Universities	19	1,215,944	1%
<b>Overall - Total</b>	<b>515</b>	<b>118,813,434</b>	<b>100%</b>