

Extramural Sponsor Awards Monthly Summary

<u>Program Type</u>	<u>Aug 31, 2015</u>		<u>Aug 31, 2014</u>	
	<u>Count</u>	<u>Amount</u>	<u>Count</u>	<u>Amount</u>
Non-Research	77	\$22,521,656	74	\$22,923,150
Research	103	\$21,071,005	86	\$19,314,748
<u>Total</u>	<u>180</u>	<u>\$43,592,661</u>	<u>160</u>	<u>\$42,237,898</u>

Note: The detailed award listing is available at:

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

The FY 2014 year-to-date total was: \$112,001,433

The unofficial FY 2015 year-to-date total is: \$108,222,240

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-AGRI RSCH SVC-FED	Jack Grace	College of Tropical Agriculture and Human Resources	Characterization and Management of Invasive Plant Viruses in Hawaii		1	65,228
AGRICULTURE, DEPT-FED	Donald Straney	Chancellor, UH Hilo	Acquisition of Goods and Services	UNIVERSITY OF HAWAII (Cooperator) and the Agricultural Research Service (ARS) desire to enter into this Agreement for the purpose of supporting research to be carried out at ARS and Cooperator facilities. ARS desires the Cooperator to provide goods and services necessary to carry out research of mutual interest within the Pacific West Area, Hilo, Hawaii.	1	80,000
AGRICULTURE, DEPT-FED	Janice Uchida	Plant and Environmental Protection Sciences	Survey for Basil viruses in Hawaii		1	29,653
AGRICULTURE, DEPT-FED	Rebecca Ostertag	Natural Sciences Division	Climate-Vegetation Relationships in Hawaiian Forest Ecosystems	Funds will provide help in analyzing long-term forest growth and mortality results from long- term permanent plots.	1	67,000
AGRICULTURE, DEPT-FED	William Sakai	College of Agriculture, Forestry and Natural Resource Mgt	Mini-pilot Demonstration Using Papaya Feedstock for Algae Oil and Meal Production	Objective: To evaluate papaya as a feedstock is to optimize the research, development and validation phase of the project to produce a demonstration plot for mini-pilot scale levels of algae oil and algae meal. Approach: In collaboration with the University of Hawaii at College of Agriculture, Forestry and Natural Resource Management (CAFNRM), papaya will be used as a feedstock for the algae, Chlorella protothecoides, to produce oil and algae at a demonstration scale to determine the economic feasibility between laboratory and commercial production. Research will investigate and optimize methods necessary to scale up algae growth to produce high quality algae oil and meal using bioreactors. Equipment that can process larger volumes of algae will be purchased, evaluated and optimized.	1	346,262

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT, FOREST SVC-FED	Creighton Litton	Natural Resources and Environmental Mgt	Monitoring Climate and the Impact of Rising Temperature on Belowground Processes	The proposed work will consist of managing a network of climate monitoring equipment located across a mean annual temperature gradient in the Hawaii Experimental Tropical Forest, including system calibration and data quality review and control. Funds will also support work to quantify temperature-related changes in soil carbon formation and decomposition rates through the placement of reconstructed soil cores into each of nine existing permanent plots across the gradient.	1	64,940
AGRICULTURE, DEPT, FOREST SVC-FED	David Duffy	Department of Botany	Monitoring Patterns and Processes of Falcataria moluccana (Albizia) Decay and Forest Succession Following Herbicide Treatment in Hawaii's Lowland Wet Forests	Develop and implement a comprehensive strategy to control Albizia in critical areas and reduce its spread over larger areas.	1	55,000

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Cheryl Albright	Department of Nursing	Social and Behavioral Interventions to Increase Solid Organ and Tissue Donation	Taking advantage of college students frequent use of online technology, including social networking sites (e.g., Facebook), we will create an online intervention that leverages this technology to engage AA/PI students in topics related to organ donation (OD), to provide culturally sensitive messages tailored to their interest in or wariness of organ donation, and to reframe their ideas aboutf DOD. Previous internet interventions to encourage college students to become DODs have not included culturally sensitive approaches for AA/PI, who have unique barriers to OD.	1	319,180
HEALTH & HUMAN SVC, DEPT-NIH-FED	Dana-lynn Koomoa	Pharmaceutical Sciences	MYCN-induced calcium and magnesium signaling regulates Neuroblastoma progression		1	134,922
HEALTH & HUMAN SVC, DEPT-NIH-FED	Michele Carbone	University of Hawaii Cancer Center	Germline BAP1 Mutations and Malignant Mesothelioma: Mechanisms and Early Detection		1	349,988

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL CTR FOR RSCH RES	William Ward	Institute for Biogenesis Research	Institute for Biogenesis Research: COBRE	Develop the existing Institute for Biogenesis Research into a multi-disciplinary research center for reproductive biology research.	1	2,182,875
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST ALLERGY/INF DIS	Peter Hoffmann	Department of Cell and Molecular Biology	Selenoprotein K Modulates Calcium- Dependent Signaling in Immune Cells		1	385,000
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DRUG ABUSE	Thomas Ernst	Department of Medicine	RGR-Based Motion Tracking for Real- Time Adaptive MR Imaging and Spectroscopy	This Bioengineering Research Partnership aims to develop (1) an optical head tracking system and (2) real-time adaptive Magnetic Resonance imaging and spectroscopy techniques for use with the tracking system. The tracking system will allow accurate measurement of subject motion and enable successful MR acquisitions without motion artifacts in the data.	1	754,149
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST DRUG ABUSE	Victor Andrew Stenger	Magnetic Resonance Imaging Center	Parallel MRI for Substance Abuse Research		1	158,687
HEALTH & HUMAN SVC, DEPT-NIH-FED NTL INST GEN MED SCI	Ralph Victor Shohet	Department of Medicine	COBRE III: Center for Cardiovascular Research	In this third cycle of COBRE funding, the Center for Cardiovascular Research will continue the support and enhancement of the crucial Cores previously established (Admin-Mentoring, Histology, Mouse-Physiology, and Genomics) and to develop a pilot project program to further stimulate cardiovascular investigation.	1	1,067,807

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Alison Sherwood	Department of Botany	Identification of Mesophotic Macroalgae in the Papahānaumokuākea Marine National Monument for Year 3		1	44,457

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Cynthia Hunter	Department of Biology (Biology Program)	UH Manoa MOP Support	Project Objective: to provide experiential opportunities for students with ocean-related interests through the Marine Option Program, offering activities for undergraduates across more than 40 disciplines at UHM, in addition to career counseling and helping students to identify and implement hands-on internships and research projects to meet their MOP certificate requirements.	1	149,989
COMMERCE, DEPT-NATL NOAA-FED	Matthew Church	Joint Institute for Marine and Atmospheric Research (JIMAR)	PMEL - UH Ocean Carbon Project	This work will be collaborative research with NOAA scientists in one or more of the following thematic areas: ecosystem forecasting, ecosystem monitoring, ecosystem-based management, the protection and restoration of resources, equatorial oceanography, climate research and impacts, tropical meteorology, and tsunamis and other long-period ocean waves. The work will be conducted under JIMAR's cooperative agreement NA11NMF4320128 with NOAA.	1	5,311

DOD-Department of Defense

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Defense Intelligence Agency	John Learned	Applied Research Laboratory	Neutron TimeCube CONOP Suitability Investigation	Survey performance characteristics and engineering-parametric data of neutron TimeCube.	1	494,927
DEFENSE, DEPT- US ARMY CORPS OF ENGINEERS	David Duffy	Department of Botany	Pacific Missile Range Facility, Kauai	Provide technical assistance to the Navy for native habitat protection at the Pacific Missile Range Facility on Kauai.	1	162,638
DEFENSE, DEPT-NAVY NAVAL RSCH LAB	Tim Li	International Pacific Research Center (IPRC)	Ensemble Prediction of Tropical Cyclone Genesis		1	88,308
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Brian Powell	Department of Oceanography	Collaborative Proposal: Oceanic Energy Cascade from Global to Regional Predictive Models		1	102,002
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Michael Hadfield	Pacific Biosciences Research Center	Multiple Approaches for Testing Novel Marine Coatings in the Laboratory and in Pearl Harbor	We will test newly developed marine coatings for the ONR in the field and laboratory in Hawaii.	1	40,382

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

DOI-Dept of Interior

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-FISH & WILDLIFE SVC	David Duffy	Department of Botany	Johnston Atoll Yellow Crazy Ant Strike Team	Eradicate infestation of Yellow Crazy Ants on the Johnston Atoll and collect data to evaluate methods	1	98,000
INTERIOR, DEPT-NATIONAL PARK SVC	Patrick Hart	Biology (UH Hilo)	Vegetation Inventory and Monitoring Support		1	127,153
INTERIOR, DEPT-NATIONAL PARK SVC	Patrick Hart	Natural Sciences Division	Support for Landbird Monitoring in Three National Parks in the Pacific Island Network	This Task Agreement will provide support to cooperatively conduct landbird monitoring at three national parks, including field data collection, the expertise of a master birder, data entry, data quality assurance/quality control, project compliance, field logistics and report tasks.	1	83,195
INTERIOR, DEPT-PACIFIC ISLANDS CLIMATE SCIENCE CTR	Philip Robert Thompson	Joint Institute for Marine and Atmospheric Research (JIMAR)	Diagnosing and Communicating the effect of climate variability on frequency of coastal inundation		1	118,945
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Kirsten Oleson	Natural Resources and Environmental Mgt	Mapping and environmental science to support clean reefs of West Maui, Hawaii		1	21,866
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Maria Haws	Pacific Aquaculture and Coastal Resources Ctr	Vegetative guide and dashboard relating atoll agroforestry recommendations to predicted climate and sea level conditions in the Marshall Islands	We will develop an online "dashboard"/webpage for information related to agriculture, forestry and climate change for the Marshall Islands.	1	109,501
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Noelani Puniwai	Vice Chancellor for Research	Hawaiian Seascapes and their management implications	Cultural views of seascapes involve a broad range of values, meanings, and assumptions that individuals and social groups place on the marine environment. Ignoring differences within/across these perspectives can be counter-productive in reaching management goals. A preemptive approach can include an understanding of what is valued in each ecosystem, and by whom.	1	61,264

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Randy Hirokawa	College of Arts and Sciences	Cooperative Monitoring and Assessment of Hawaii Volcano Hazards	This cooperative agreement pertains to the work of the Center for the Study of Active Volcanoes at the University of Hawaii at Hilo in conducting research and analysis of Hawaii's volcanoes and related volcanic hazards and risks. This work is under a Memorandum of Understanding between the U. S. Geological Survey Hawaiian Volcano Observatory (HVO) and the Center for the Study of Active Volcanoes. This cooperative agreement defines a collaborative research and monitoring program to be undertaken during the coming fiscal year.	1	225,000
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Vice Chancellor for Research	Assessing the Vulnerability of Pacific Island Species and Ecosystems to Climate Change: Approaches and Applications	Collaborative proposal with USGS PIERC on Vulnerability Assessment as per Master Coop Agreement.	1	4,896
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Vice Chancellor for Research	Hawaii Forest Bird Demographics, dated 08/28/2012	Directly measure and evaluate vital rates of native Hawaiian forest birds to ensure long-term viability.	1	65,278
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Vice Chancellor for Research	Listed Species and Ecosystems of the Pacific Islands Project		1	17,283
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Sharon Ziegler	Vice Chancellor for Research	Quantitative Analysis of Ecologic Data		1	131,551
INTERIOR, DEPT-UNITED STATES GEO SURVEY	Tamara Ticktin	Department of Botany	Dryland Forest Restoration Ecology Study	Dryland forests are one of Hawaii's most culturally important and severely endangered habitats. They have been reduced to less than 10% of their original area and more than 25% of the officially listed endangered Hawaiian plant species are from dryland forest habitats and found nowhere else on earth. This research project focuses on a detailed examination of the factors affecting regeneration of seven dryland forest species in the Ka'ala'alehu Preserve, Hawaii Island. Rates and patterns and drivers of regeneration of wild seedlings and outplants will be documented and compared, and population viability analyses built for two species. The results will inform conservation and restoration efforts in Ka'ala'alehu and beyond.	1	28,800

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INTERIOR, DEPT-UNITED STATES GEO SURVEY	Thomas Giambelluca	Geography (UH Manoa)	Ecohydrological Field Research in Hawaii	This project will support the continued maintenance of the HaleNet system, which now includes nine active climate stations, two repeaters, and a base station. We will also continue operating HavoNet, two advanced flux towers measuring energy, water, and carbon exchanges over one native forest site and one nonnative forest site. Measurements at these two towers include complete micrometeorological energy balance, and trace gas (H2O and CO2) fluxes.	1	30,000

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
BIO-ON SRL	Jian Yu	Hawaii Natural Energy Institute (HNEI)	PHA Bioplastics from Biomass		1	1,419,011
JAPAN FOUNDATION	Patricia Steinhoff	Sociology (UH Manoa)	Update to Japan Directory Project	<p>This proposal is for a limited update to the Directory of Japan Specialists and Japanese Studies Institutions in the U.S. and Canada. That study was the 4th directory that the PI has conducted using essentially the same procedures, and included both the directory and a monograph on the state of Japanese Studies in the U.S. The project and its products are currently available to the public on a searchable website.</p> <p>The website is hosted on two servers that are currently part of the College of Social Sciences computer system. Because the material has been posted for 2 years, the Japan Foundation has been receiving inquiries about updating it. As a result, the Japan Foundation has requested a proposal for a limited update that will allow programs and libraries that are already included in the directory to update their current staff lists, position titles, and contact information, and Japan specialists who are currently listed to update their position titles and contact information.</p>	1	60,000

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

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	200,000

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-HI	Georgeanne Marie Purvinis	Chancellor, Kauai Community College	Kauai Honey Bee Stock Improvement	The goals of this project are to build queen rearing capacity on Kauai, and improve the honey bee stock temperament while simultaneously selecting stock with Varroa resistance. These goals will be accomplished by establishing a queen rearing capability at Kauai Community Colleges apiary, improving stock with semen and insemination services provided by HDOA twice a year, educating students and local beekeepers on the insemination and stock improvement practices, and supplying the community with a reliable source of Varroa-free gentle queens and bees. KauCC will offer programs that build awareness of the importance of honey bees while recruiting and educating new bee keepers for a sustainable future.	1	49,438

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAIIAN HOME LANDS, DEPT-HI	Clifford Morden	Department of Botany	Gorse Control Work at Kahikinui, Maui	Locate and control previously mapped gorse populations via hand pulling and herbicide application.	1	8,880
HAWAIIAN HOME LANDS, DEPT-HI	Faith Marie Inman-narahari	Natural Resources and Environmental Mgt	Aina Mauna Seed Orchards		1	18,300
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Endangered Maui Forest Bird Population Research and Management		1	44,663
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	28,847
LAND & NATURAL RES, DPT-FORST (DLNR)	David Duffy	Department of Botany	Maui District Endangered Species Research	Research and monitor endangered seabirds on Maui, Molokai, and Lanai.	1	69,875
LAND & NATURAL RES, DPT-FORST (DLNR)	James Leary	Natural Resources and Environmental Mgt	Determining effective foliar herbicide suppression of coppicing <i>E. saligna</i> and robusta stumps and assist with the establishment of interim and long-term herbicide treatment protocols		1	14,960
LAND & NATURAL RES, DPT-FORST (DLNR)	Nellie C Sugii	Lyon Arboretum	Plant Restoration and Enhancement Project: Mid-Elevation Rare Plant Facilities	Conservation of rare Hawaiian plants by using genetic management, propagation, seed storage and species restoration to increase and stabilize populations.	1	95,150

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION MED RSCH FUNDS	Cedomir Todorovic	Department of Cell and Molecular Biology	Regulation of NMDA Signaling, Memory and Synaptic Plasticity by the JIP2 scaffold protein		1	50,000

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Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HAWAII COMMUNITY FOUNDATION MED RSCH FUNDS	Dana-lynn Koomoa	College of Pharmacy	Investigating the anti-cancer effects of Hawaiian plant extracts	The proposed research utilizes a native Hawaiian ethnopharmacological approach to identify alternative treatments for NB. This approach could lead to alternative treatments for NB. An initial screen examining the anti-cancer effects of traditional preparations (water based, not solvent-based) of NH plant extracts identified noni (<i>Morinda citrifolia</i>) and popo (<i>Solanum americanum</i>) as having potent anti-cancer effects in NB cells with and without MYCN amplification. Traditionally prepared noni and popo extracts induced apoptosis in NB cells. This process appears to be mediated by aberrant calcium signaling. The proposed project will address the hypothesis that Noni (<i>Morinda citrifolia</i>) and popo (<i>Solanum americanum</i>) will inhibit the growth of an in vitro model of NB via a calcium-dependent mechanism.	1	49,901
HAWAII COMMUNITY FOUNDATION MED RSCH FUNDS	Leng Chee Chang	College of Pharmacy	Evaluation of Natural Products and Withanolides Derived from <i>Physalis peruviana</i> (Pp) in the Treatment of Cancer	<p>Scope of Work Project entitled: Evaluation of Natural Products and Withanolides Derived from <i>Physalis peruviana</i> (Pp) in the Treatment of Cancer</p> <p>College of Pharmacy will be performing the following for the above referenced project:</p> <p>To perform these studies using <i>Physalis peruviana</i> extracts (1) To re-isolate <i>Physalis peruviana</i>-derived natural product PPE21 for semi-synthesis of the acetylated withanolides. To re-isolate a sufficient amount of PPE21_M, and PPE36 for further biochemical and biological studies.</p>	1	47,500
OCEANIC INSTITUTE-CTR FOR TOP & SUB TROP AQUA (CTSA)	Samir Khanal	Molecular Biosciences and Bioengineering	Utilization of Local Agri-Processing By-products to Produce Fungal Protein for Aquatic Feed Production		1	99,812
UNIVERSITY HAWAII FOUNDATION	Herbert Yu	Cancer Etiology	Chair in Epidemiology		1	115,213
UNIVERSITY HAWAII FOUNDATION	James Turkson	Natural Products	2014 Pilot Study Award 3: Evaluation of Hirsutinolides Derived from <i>Vernonia cinerea</i> in the Treatment of Cancer		1	30,000

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Lyle Campbell	Department of Linguistics	Henry Luce Foundation Endangered Languages Catalogue		1	39,604

Mainland- Business and Other

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
T.A. Sciences	Richard Allsopp	Institute for Biogenesis Research	Telomerase Activation in Hematopoietic Cells Using Astragalus Derived Compounds		1	25,000

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY CORP ATMOSPHERIC RSCH	Yi-leng Chen	Department of Atmospheric Sciences	Applications of Satellite Data for Model Initialization and Verifications to Improve Weather Forecasting in Hawaii		1	19,979

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
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	230,390
NATIONAL AERONAUT & SPACE ADM	Gary Huss	Hawaii Institute of Geophysics and Planetology (HIGP)	Chemical and Isotopic Investigations of Presolar and Early Solar System Materials		1	166,000
NATIONAL AERONAUT & SPACE ADM	Gary Huss	Hawaii Institute of Geophysics and Planetology (HIGP)	Elemental and Isotopic Abundances in Solar Wind from SIMS Analysis of Genesis Collectors		1	75,000
NATIONAL AERONAUT & SPACE ADM	Hope Ami Ishii	Hawaii Institute of Geophysics and Planetology (HIGP)	Nebular and Parent Body Materials Processing in Early Solar System Solids II: Formation and Alteration Studies by FIB-(S)TEM - Hawaii		1	81,706

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NATIONAL AERONAUT & SPACE ADM	James Foster	Hawaii Institute of Geophysics and Planetology (HIGP)	Advanced Corrections for InSAR Using GPS, Satellite Observations, and Numerical Weather Models: Application to Hawaiian Volcanoes		1	180,270
NATIONAL AERONAUT & SPACE ADM	Jeffrey Gillis-davis	Hawaii Institute of Geophysics and Planetology (HIGP)	Examining the effective contribution of temperature, space weathering, and volatiles on regolith reflectance.		1	30,000
NATIONAL AERONAUT & SPACE ADM	Kimberly Binsted	Information and Computer Sciences	Using Analog Missions to Develop Effective Team Composition Strategies for Long Duration Space Exploration	Astronaut crews for a multinational mission will probably be selected more for expertise and less for compatibility. Crews will endure many physical challenges and psychological stressors, some largely predictable in type and timing, others unpredictable. Yet they must continue to function together at a high level of objective performance and remain responsive to mission support. Crew cohesion and performance will be more fragile at high stress and fatigue levels so that will be the most important time to evaluate these constructs. So, our objectives are: 1) To develop suitable measures of team composition by developing rubrics for individual characteristics; 2) To develop or find methods of rating a crew's performance; 3) To put these measures together into a model for crew composition vs. performance; 4) Evaluate and refine this model over a series of mission simulations at analog sites.	1	25,000
NATIONAL AERONAUT & SPACE ADM	Nader Haghighipour	Institute for Astronomy	A Search for New Main-Belt Comets with Recurrent Activity	We propose to use archival data and observation to search for active MBCs.	1	102,000
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	Ultra-high Energy Particle Astrophysics with ANITA-4	Propose a fourth flight of the Antarctic Impulsive Transient Antenna suborbital long-duration balloon (LDB) payload, with a goal of further extending ANITA's unique sensitivity to cosmic sources of ultra-high energy particles	1	52,598

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NATIONAL AERONAUT & SPACE ADM	Peter Mouginis-Mark	Hawaii Institute of Geophysics and Planetology (HIGP)	Geologic Mapping of Hrad Vallis, Mars: Investigating the hypothesized occurrence of recent mud flows on Mars during the Amazonian Era		1	120,000

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Anthony Kuh	Electrical Engineering	Sensing, Modeling, and Control of Smart Sustainable Microgrids	This is a research and education project working on smart sustainable microgrids. Project consists of sensing and monitoring, modeling and analysis, and control and optimization. Research will be conducted in the Smart Campus Energy Lab and the UHM microgrid.	1	11,800
NATIONAL SCIENCE FOUNDATION	Brian Glazer	Department of Oceanography	Development and deployment of distributed mini-observatory nodes to couple STEM training with coastal biogeochemistry		1	296,983
NATIONAL SCIENCE FOUNDATION	Brian Popp	Department of Geology and Geophysics	Collaborative Research: Direct Oxidation of Organic Nitrogen by Marine Ammonia Oxidizing Organisms		1	232,316
NATIONAL SCIENCE FOUNDATION	Bruce Houghton	Department of Geology and Geophysics	Collaborative Research: ELUCIDATING CONDUIT, ERUPTION AND PYROCLAST TRANSPORT DYNAMICS OF LARGE SILICIC SUBMARINE ERUPTIONS		1	381,839
NATIONAL SCIENCE FOUNDATION	Catherine K Chan	Natural Resources and Environmental Mgt	Sustainable Management of Agro-ecological Resources for Tribal Societies 2		1	114,715
NATIONAL SCIENCE FOUNDATION	Charles Sasaki	Division II	Collaborative Research: EAGER- Understanding the Confluence-Social Identities and Engineering Education and Practice (consortium with OSU and UTPA)	Research will be conducted to bring to light the sorts of experiences of those from marginalized groups that help or hinder their progression through Engineering or Computer Science degree programs. Consortium project with the University of Texas Pan American (lead institution, prime applicant), and Oregon State University.	1	79,613

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NATIONAL SCIENCE FOUNDATION	Craig E Nelson	Department of Oceanography	Collaborative Research: Linking Causes of Variation in the Amphibian Skin Microbiome with Consequences for Disease Risk		1	120,500
NATIONAL SCIENCE FOUNDATION	David Ho	Department of Oceanography	Collaborative Research: US GEOTRACES Arctic Section - Water Mass Composition, Circulation, and Mean Residence Times Derived from Measurements of Natural and Manmade Tracers		1	64,110
NATIONAL SCIENCE FOUNDATION	David Karl	Center for Microbial Oceanography, Research and Edu (C-MORE)	Center for Microbial Oceanography: Research and Education (C-MORE)	Operations at the Center for Microbial Oceanography: Research and Education will be extended for an additional 5-year period (2011-2016). We will conduct research, create and disseminate knowledge, provide unique educational opportunities, conduct research and enhance the diversity of the scientific workforce	1	2,656,000
NATIONAL SCIENCE FOUNDATION	Donald Hall	Institute for Astronomy	Development of the H4RG-15; A Low Cost, High Performance 4096x4096 pixel Array for Infrared Astronomy and the Building Block for Very Large IR Mosaic	To demonstrate full production of a high performance 4Kx4K infrared array, the H4RG-15, with integrated application specific integrated circuit controller at an affordable 2 cents per pixel.	1	276,618
NATIONAL SCIENCE FOUNDATION	Douglas Luther	Department of Oceanography	Near-Surface Conversions of Semi-Diurnal Internal Tide Beam Energy		1	379,921
NATIONAL SCIENCE FOUNDATION	Gordon M Bennett	Plant and Environmental Protection Sciences	Host-mediated regulation of dual obligate intracellular symbionts		1	75,755
NATIONAL SCIENCE FOUNDATION	Gwen Jacobs	Office of the VP for Information Tech/Chief Info Officer	Collaborative Research:SS2-SSI: The Agave Platform: An Open Source Science-As-A-Service Platform for Reproducible Science	This project will further develop the AGAVE Science as a Service Platform to support data intensive research. University of Hawaii will participate as a developer and a user of these software tools.	1	804,045
NATIONAL SCIENCE FOUNDATION	Kenneth Rubin	Department of Geology and Geophysics	Temporal/spatial scales of mantle wedge composition and processes investigated with young boninites and basalts from the unusually active NE Lau Basin		1	275,379
NATIONAL SCIENCE FOUNDATION	Michael Liu	Institute for Astronomy	Physical Properties of the Coolest Brown Dwarfs		1	152,677

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Michael Rappe	Hawaii Institute of Marine Biology (HIMB)	Population genomics and ecotypic divergence in the most dominant lineage of marine bacteria		1	579,193
NATIONAL SCIENCE FOUNDATION	Nodar S Sitchinava	Information and Computer Sciences	XPS: FULL: FP: Collaborative Research: Provably Efficient GPU Algorithms	We propose to develop a theoretical model for GPGPU. The objective is an algorithmic model that is simple enough for high-level algorithm design and is a predictor of performance on modern GPUs. We will empirically verify the model to ensure that efficient algorithms translate into efficient GPU programs. Using the developed model we will analyze the existing algorithms and design new ones, as well as new parallel data structures. Our goal is to design algorithms that are provably efficient in the theoretical model, but also are fast in practice. Therefore, we are planning to implement our algorithms, perform thorough empirical evaluation and contribute them to the existing open-source GPU libraries, such as Thrust and CUDPP, for wider adoption.	1	400,000
NATIONAL SCIENCE FOUNDATION	Przemyslaw K Dera	Hawaii Institute of Geophysics and Planetology (HIGP)	Earthcube IA: Collaborative Proposal: Architecture for an Integrative alliance of solid Earth Data Communities		1	34,922
NATIONAL SCIENCE FOUNDATION	Rudolf Kloosterziel	Department of Oceanography	A new approach to equatorial inertial instability		1	494,608
NATIONAL SCIENCE FOUNDATION	Rui Zhang	Electrical Engineering	NeTS: Medium: Collaborative Research: Secure and Usable Indoor Navigation for Individuals with Visual Impairment		1	62,461
NATIONAL SCIENCE FOUNDATION	Tao Yan	Civil and Environmental Engineering	UNS: Transform Municipal Wastewater Treatment Systems into Community Enteric Disease Information Networks		1	109,646

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)	Operational Support of Infrasound and Primary and Auxiliary Seismic Station for the International Monitoring System (IMS)		1	82,000

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
California State University, Fresno	Andre Seale	Hawaii Institute of Marine Biology (HIMB)	Investigations into stress reducing effects of selenium-enriched feed in an important aquaculture species, Tilapia		1	33,000
CHAMINADE UNIVERSITY	Alexander J Stokes	Department of Cell and Molecular Biology	Regulation of cardiac pathologies by the store operated ion channel CRACM1	The development of cardiac hypertrophy represents a principal risk factor for the development of heart failure and subsequent cardiac death. Our preliminary data show that knowout of CRACM1 exacerbates cardiac hypertrophy. The data generated from this proposal will identify CRACM1 as fundamental components of cardiac hypertrophy, and myocardial infarction reperfusion injury.	1	197,250
City University of New York	Marcus Tius	Department of Chemistry	Lithium Carbenoids and Related Species: Structure and Reactions	The proposal is to prepare a series of vinyl lithium carbanions and to examine their spectroscopic properties by low temperature ¹ H, ¹³ C and in some cases ¹⁹ F NMR	1	24,000
INDIANA UNIVERSITY	Jason Leigh	Information and Computer Sciences	Collaborative Research: IRNC: AMI: NetSage - An open, privacy-aware, network measurement, analysis, and visualization service.	Develop network monitoring service for international research networks.	1	200,000

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
MARYLAND, UNIVERSITY OF	Carol Jo Boushey	Cancer Etiology	Domoic Acid Neurotoxicity in Native Americans	<p>Over the past 30 years there has been a dramatic increase in the number of harmful algal blooms (HAB's) in coastal waters throughout the world. As a result, there are more toxic algal species, more algal toxins and more geographic areas impacted than ever before. When these toxic species proliferate, they may cause massive kills of fish and shellfish, wildlife mortality, human illness and death. One of these marine organisms, pseudo-nitzschia produces a neurotoxin, Domoic Acid (DA). Most of what we know about the human health effects of Domoic Acid has been derived from a single documented outbreak in Montreal Canada in 1987. Persons who ate mussels with high levels of DA suffered serious medical illnesses, including seizures and coma, and 3 people died. Survivors were left with a profound memory disorder, Amnesic Shellfish poisoning (ASP). Based upon animal models, regulatory levels of DA in shellfish were established. Within the past 17 years, DA levels have been close to or exceeded these safety levels at razor clam harvesting beaches on Native American Reservations in the Pacific NW. Recent data indicate that this population is currently at risk for significant, but preventable, neurobehavioral impairment (ASP) from razor clam consumption, with memory problems ranging from the low average to amnesic range. There appears to be a dose- response relationship between exposure and memory problems and the base rate of persons meeting the criteria for severe memory impairment, or</p>	1	97,650

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
MICHIGAN STATE UNIVERSITY	Kevin Bennett	Department of Biology (Biology Program)	MRI contrast agents for in vivo monitoring of stem cell differentiation	Here we propose to design, synthesize, characterize and assay in vivo, 2 novel classes of biopolymer encapsulated metallic nanoparticles which will enable the use of MRI to detect stem cell differentiation, in vivo. The underlying principal of these new particles is their ability to achieve large enhancements in molar relaxivity, r_1 , r_2 and r_2^* , based upon enzyme-triggered degradation of the biopolymer coat. Briefly, the MRI properties of magnetic particles vary greatly depending on the coating thickness over the magnetic cores and their aggregated state, even though the amount of magnetic material remains constant. Additionally, MRI contrast agents have vastly different properties based on water solubility. Both phenomena will result in large enhancements of relaxivity and hence, of the MRI signal. Computer simulations modeling relaxivity changes as a function of coating thickness will guide the nanoparticle fabrication. The biopolymer coatings will be biocompatible, yet highly resistant to passive degradation in the cells. We will test whether enzyme-mediated removal of the biopolymer coating results in modulation of the MRI properties, in vitro and in vivo following cell transplantation. Indeed, simulations predict a 10-fold increase in r_2 and a 4-fold increase in r_2^* for iron oxide based particles, and a 50-fold increase in r_1 for manganese based particles. Given sufficient cell labeling, these relaxivity changes should enable the detection of single stem cell differentiation, in vivo.	1	15,687
Morehouse School of Medicine	Richard Yanagihara	Department of Pediatrics	RCMI Translational Research Network		1	518,282

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NEVADA LAS VEGAS, UNIVERSITY OF	Merle Kataoka-yahiro	Department of Nursing	Institutional Development Award (IDeA) Program Infrastructure for Clinical and Translational Research, University of Hawaii Subcontract with University of Nevada, Las Vegas	Under the overall direction of Dr. Jillian Inouye, the Clinical Research, Education, Mentoring, and Career Development UNLV (CREMCoD) activities will be coordinated through an Education Unit and a Mentoring Unit. Dr. Merle Kataoka-Yahiro will be responsible for co-directing the Educational Unit. In her role as co-director, Dr. Kataoka-Yahiro will manage the individual on-line courses, seminars and workshops for the Education Unit.	1	16,411
NEW HAMPSHIRE, UNIVERSITY OF	Donald Drake	Department of Botany	Seed Dispersal Networks and Novel Ecosystem Functioning in Hawaii	Seed dispersal is a key process in the maintenance and regeneration of tropical forests, and most tropical trees have seeds adapted for dispersal by animals (e.g., birds). Most native birds in Hawaii are rare or extinct, so the only potential seed dispersers are introduced, non-native birds. Using seed traps placed in Oahu forests, seeds that have been dispersed by birds (and seeds that have not) will be collected and tested for: viability, germination, and dormancy characteristics. Seeds will also be placed in the field in various microenvironments to determine their ability to germinate when not dispersed (e.g., under parent trees) or dispersed (e.g., away from parent trees). The results will be used to predict which species of native trees are being dispersed and germinating sufficiently to maintain forest populations and which are not. Likewise, the results will provide similar information about the potential spread of problematic, non-native, invasive plants.	1	38,287
NORTHEASTERN UNIVERSITY	Marcus Tius	Department of Chemistry	Endocannabinoid Active Sites and Therapeutic Targets	Work will focus on the asymmetric synthesis of the first two structural motifs, the bifunctional tricyclic hybrid cannabinoids. The cross-coupling chemistry that has been recently developed in our research group will be employed to append the side chain to a common advanced intermediate for the tricyclic nucleus.	1	39,236

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NORTHWESTERN UNIVERSITY	Andrew Howard	Institute for Astronomy	The Architectures of Near-Resonant Kepler Planets		1	4,962
TEXAS-SAN ANTONIO, UNIVERSITY OF	Yukiko Yamazaki	Institute for Biogenesis Research	Epimutation in Offspring Produced by Assisted Reproductive Technologies (ART)		1	190,605
VANDERBILT UNIVERSITY	Dusko Pavlovic	Information and Computer Sciences	Science of Secure and Resilient Cyber-Physical Systems	<p>The proposed lablet on the System Science of SecURity and REsilience for cyber-physical systems (SURE) will develop foundations and tools for designing, building, and assuring cyber-physical systems (CPS) that can maintain essential system properties in the presence of adversaries. The technology base of SURE will provide CPS designers and operators with models, methods, and tools that can be integrated with an end-to-end model-based design flow and tool chain.</p> <p>In the UH part of the lablet, we shall develop and use an actor-network model of heterogenous interactions between computers, humans and their devices. We introduce Procedure Derivation Logic (PDL) as a framework for reasoning about security in actor-networks.</p>	1	65,000
Research - Total					103	21,071,005

Non-Research

DA-Dept of Agriculture

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-FED	Sharon Ziegler	Vice Chancellor for Research	Collaborative Support of the University of Hawaii, Hilo Pacific Internship Programs for Exploring Sciences	The USDA Forest Service IPIF conducts research to provide scientific information to help make informed decisions in natural resource management. PIPES matches undergraduate students with summer research experiences in Hawaii and the greater Pacific region. Both parties will work to assist underserved students to obtain training in biological and ecological training.	1	12,000

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
AGRICULTURE, DEPT-NATL INS FOOD AND AGRICULTURE	Charles Kinoshita	College of Tropical Agriculture and Human Resources	Agribusiness Education, Training and Incubation Program (AETI)	The University of Hawaii's Agribusiness, Education, Training and Incubation (AETI) Project is intended to: (1) expand local agricultural and food production through more productive agribusiness; and (2) develop the local agricultural and food production workforce through education and training.	1	1,528,801
AGRICULTURE, DEPT, FOREST SVC-FED	Clifford Morden	Department of Botany	Partnership to Facilitate Education/Outreach and Natural Resource Conservation Goals of the Institute of Pacific Islands Forestry (IPIF)/Hawaii Experimental Tropical Forest (HETF)		2	131,145

DHHS-Dept of Health and Human Services

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii State Loan Repayment Program (HSLRP)	The purpose of the Hawaii State Loan Repayment (HSLRP) is to improve access to health care in underserved communities of Hawaii by increasing the number of primary care providers working in Health Professions Shortage Areas (HPSA). The HSLRP will provide incentive to at least 8 healthcare providers in HPSAs in Hawaii by providing \$40,000 a year in loan repayment for 2 years for 3 students in year 1 and 8 students in year 2.	1	225,000
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Kelley Withy	Department of Complementary and Alternative Medicine	Hawaii/Pacific Basin Area Health Education Center (AHEC)	The purpose of the Hawaii/Pacific Basin (HPB) AHEC is to improve the health of the underserved through collaborative regional training initiatives across Hawaii and U.S. protectorates in the Pacific	1	931,950
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Norman Okamura	Social Science Research Institute	Pacific Basin Telehealth Resource Center	Seeks to develop a resource center to assist healthcare organizations, health care networks, and health care providers in implementing cost-effective telehealth programs serving rural and medically under- served areas and populations	1	325,000

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH & HUMAN SVC, DEPT-HRSA-FED	Winona Lee	Native Hawaiian Center of Excellence	Centers of Excellence	Continue the work of the Native Hawaiian Center of Excellence in research training and development, education and cultural competence.	1	700,000
HEALTH & HUMAN SVC, DEPT-NIH-FED	Diane Taylor	Department of Tropical Medicine, Medical Micro and Pharm	Training of Cameroonian Scientists in Research on Malaria		1	194,018
HEALTH & HUMAN SVC, DEPT-NIH-FED NATL HEART LUNG & BLD INST	Ralph Victor Shohet	Department of Medicine	Training in Cardiovascular Research at the University of Hawaii	This training grant will support predoctoral graduate students and postdoctoral researchers in cardiovascular research at JABSOM.	1	236,717

DOC-Dept of Commerce

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
COMMERCE, DEPT-NATL NOAA-FED	Elizabeth Maynard	Sea Grant College Program	Ka Wa Ma Mua, Ka Wa Ma Hope, Using the Past to Inform the Future: English Translation of Hawaiian Language Newspaper Accounts of Fisheries Information		1	30,000
COMMERCE, DEPT-NATL NOAA-FED NATL WEATHER SVC	Christina Higa	Social Science Research Institute	Pacific International Training Desk (Pacific Desk)	This proposal seeks continued funding and support for the expansion and management of the Pacific Desk that was established by the NOAA/National Weather Service (NWS) at the Weather Forecast Office (WFO) Honolulu at the University of Hawaii.	1	300,000
COMMERCE, DEPT-NATL NOAA-FED SEA GRANT COLL PGM	Darren Lerner	Sea Grant College Program	Hawaiian Islands Sentinel Site Cooperative Coordinator: A submission to the NOAA Sentinel Sites Cooperative FY2014 Special Projects C		1	40,000
COMMERCE, DEPT-NOAA/ NATL MARINE FISHERIES SVC	Maria Haws	Pacific Aquaculture and Coastal Resources Ctr	Diversification of Income for Fishing Communities in the Federated States of Micronesia and Republic of the Marshall Islands through Low-input Sustainable Aquaculture of Marine Invertebrates for the M	Provide training and technical assistance in U.S. Affiliate Pacific Islands for fisheries management and aquaculture	1	236,042

DOD-Department of Defense

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH	Sun-Ki Chai	Sociology (UH Manoa)	Social Computing, Behavioral-Cultural Modeling, and Prediction 2015 Conference	Social computing is concerned with the study of social behavior and social context based on computational systems. Behavioral-cultural modeling reproduces social behavior, and allows for experimenting, scenario planning, and deep understanding of behavior, patterns, and potential outcomes. Prediction of social phenomena, as well as implications for different policy interventions, is a major, perhaps primary, result of the application of social computing techniques to behavioral-cultural modeling. This led to the annual conference on Social Computing, Behavioral-Cultural Modeling and Prediction (SBP), which focuses on application of social computing to the predictive study of behavioral-cultural phenomena. It is entering its fourth year and has become the largest interdisciplinary conference focusing the computational study of human and social phenomena. It is unique in its ability to bring together scholars from various background: academic disciplines, business, and government.	1	5,000

ED-Dept of Education

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Anna Ah Sam	Student Equity Excel & Diversity	University of Hawaii at Manoa GEAR UP Waipahu Partnership Project		1	480,000
EDUCATION, DEPT-FED	Brandi Jean Nalani Balutski	Hawai'inuiakea School of Hawaiian Knowledge	EIA MANOA: PROMOTING NATIVE HAWAIIAN STUDENT SUCCESS BY BUILDING A HAWAIIAN PLACE OF LEARNING	UHMs grant application, Eia Manoa, proposes to increase Native Hawaiian undergraduate educational attainment at the UH Systems largest Native Hawaiian-serving institution by transforming our institution-wide instructional practices, co-curricular services, and student engagement opportunities to be a Hawaiian place of learning through three grant activities: 1) Strengthen UHMs co-curricular services capacity to serve Native Hawaiians 2) Strengthen faculty-student engagement 3) Establish a Native Hawaiian Student Scholars Learning Community	1	694,418

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Brandi Jean Nalani Balutski	Hawai'iiniuiakea School of Hawaiian Knowledge	Renovation proposal to strengthen UHM curricular/co-curricular capacity to foster Native Hawaiian student success in support of building a Hawaiian place of learning (UHM Hawaiiniuiakea Renovation)		1	1,500,000
EDUCATION, DEPT-FED	Brandon Chun	Student Support Services	Kapiolani Community College Student Support Services		1	322,351
EDUCATION, DEPT-FED	Catherine Bio	Chancellor, UH Maui College	Central Maui and Molokai Upward Bound Math and Science	Central Maui and Moloka`i Upward Bound Math and Science (UBMS) at the University of Hawai`i Maui College (UH Maui College) will serve 60 eligible high school students within three target schools: Baldwin, Maui, and Moloka`i High Schools. Maui County is uniquely challenged with serving three Hawaiian Islands: Maui, Moloka`i, and Lana`i. The target area for Central Maui and Moloka`i UBMS consists of central Maui (Kahului, Wailuku, Waihee, Waiehu) and the island of Moloka`i. UH Maui College main campus is situated in the heart of central Maui, the city of Kahului, with a satellite campus located on Moloka`i.	1	250,000
EDUCATION, DEPT-FED	Hugh Dunn	Curriculum Research and Development Group	Pihana Hou: An RTI Approach Building Early Reading Skills in Schools and Communities		1	532,150
EDUCATION, DEPT-FED	Julio Rodriguez	College of Language, Linguistics and Literature	Language Resource Centers grant proposal		1	175,600
EDUCATION, DEPT-FED	Kelly Roberts	Center on Disability Studies/University Affiliated Pgms	Literacy through Digital Media		1	276,527
EDUCATION, DEPT-FED	Kelly Roberts	Center on Disability Studies/University Affiliated Pgms	Neepapa Ka Hana: Transforming STEM Education for Native Hawaiian Students (NKH)		1	321,529
EDUCATION, DEPT-FED	Kelly Roberts	Center on Disability Studies/University Affiliated Pgms	Project Hookui		1	689,647

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
EDUCATION, DEPT-FED	Kirstin Pauka	Center for Southeast Asian Studies	Foreign Language and Area Studies Fellowships		1	340,500
EDUCATION, DEPT-FED	Kirstin Pauka	Center for Southeast Asian Studies	National Resource Center (NRC) Program - Southeast Asian Studies		1	239,400
EDUCATION, DEPT-FED	Leonard D. Woods	Upward Bound	Upward Bound Math and Science Program - Hawaii County	To provide STEM college preparatory services to 50 high school students.	1	250,000
EDUCATION, DEPT-FED	Maile Suzanne Goo	Student Equity Excel & Diversity	Manoa Educational Talent Search (METS) Program	METS will serve 600 students from Nanakuli Intermediate and High School and Waianae High School to increase their secondary school persistence, secondary school graduation, postsecondary education enrollment, and their postsecondary degree attainment.	1	230,000
EDUCATION, DEPT-FED	Roy Inouye	Chancellor, Windward Community College	Student Support Services Program	Provide counseling, academic advising, tutoring, supplemental grant aid, study skills workshops, computer lab, cultural activities, and other services to disadvantaged college students (low-income, first generation, and/or disabled individuals as defined by U.S. Department of Education).	1	369,027
EDUCATION, DEPT-FED	Terence Wesley-Smith	Center for Pacific Islands Studies	National Resource Centers (NRC) Program Foreign Language and Area Studies Fellowships Program		2	405,000
EDUCATION, DEPT-FED	Weol Soon Kim-Rupnow	Center on Disability Studies/University Affiliated Pgms	New Beginnings for ELL: Innovation through Technology for English Literacy and Academic Success	The purpose of this proposed 5-year project is to develop, provide, and evaluate high-quality professional development (PD) activities that will result in improved academic achievement with enhanced English skills and motivation of English Language Learner (ELL) students.	1	360,959
EDUCATION, DEPT-FED OFC OF POSTSEC ED	James Goodman	Chancellor, Leeward Community College	E 'Auamo Kakou: A Shared Commitment to Improving Student Outcomes (Title III Part A FY14-19)		1	743,221
EDUCATION, DEPT-FED OFC OF POSTSEC ED	Judy Oliveira	Chancellor, UH West Oahu	UHWO Pueo Scholars: Programming, Services and Support for Student Excellence (Part A: Individual Development)		1	859,000
EDUCATION, DEPT-FED OFC OF POSTSEC ED	Mary McDonald	Center for Japanese Studies	National Resource Center for East Asian Studies at the University of Hawaii		2	566,350

Federal Agencies

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
SMALL BUSINESS ADMINISTRATION	Cathy Wiltse	Hawaii Small Business Development Center	Small Business Development Centers	The Hawaii SBDC Network has taken its place as a recognized and valued business assistance organization in the State of Hawaii and has become a preeminent resource for emerging entrepreneurs. The Hawaii SBDC Network operates statewide with a presence on each of the four major islands. The Hawaii SBDC Network manages in accordance with the principles of what has come to be known as Malcolm Baldrige Continuous Quality Improvement. Strategic Initiatives undertaken by the network are based in part on the needs of the small business community, the results oriented performance of the network, and feedback from our client community. The Hawaii SBDC Network participates in the ASBDC accreditation process. A revisit of the Accreditation Team occurred August 5 - 10, 2012. The final report was issued February 20, 2013 and the Network was accredited with conditions. Notification of full Accreditation was given on September 30, 2013.	1	53,050
Western Sustainable Agriculture Research & Education	Koon-hui Wang	Plant and Environmental Protection Sciences	Sustainable Pest Management Approaches for High Tunnel Screenhouse Production in the Tropics		1	29,862

Foreign

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
KOREA FOUNDATION	Seri Luangphinit	Humanities Division	Korean Language Certificate	The purpose of this grant is to apply for Korea Foundation support for the instruction of first-year Korean Language classes that will enable us to start developing upper-level curriculum as part of our proposed Korean Studies Certificate (to be implemented upon submission and approval in Curriculum Central)	1	11,432
Umea University	Erica Goetze	Department of Oceanography	How will copepod naupliar feeding habits influence food web dynamics as ocean temperatures rise?		1	24,000

Hawaii- Business and Other

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
DAMIEN MEMORIAL SCHOOL	Iris Kimura	Department of Kinesiology and Rehabilitation Science	University of Hawaii at Manoa Advanced Athletic Training Graduate Assistantship Program	Advanced education and research internship experience: A Board of Certification Athletic Trainer will participate in clinical & research experiences in order to enhance the education & research application of athletic training/sports medicine practice.	1	142,316
EAST WEST CENTER	Aviam Soifer	William S. Richardson School of Law	Asian International Justice Initiative	Provides overall intellectual leadership of the Asian International Justice Initiative program.	1	202,584
KAMEHAMEHA SCHOOLS	Donald Young	Department of Curriculum Studies	Kamehameha Schools/HWP Invitational Summer Institute		1	30,003

Hawaii- Government Agencies

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
HEALTH, DEPT-FAMILY HLTH SVC DIV-HI	Deborah Mattheus	Department of Nursing	Oral Health Initiative for the Kona WIC Site		1	30,000
HEALTH, DEPT-HI	Jeffrey Zuckernick	Emergency Medical Services	Emergency Medical Services Education and Training Through Training Centers on the Islands of Maui, Kauai, and Hawaii		1	149,480
HUMAN SERVICES, DEPT-HI	Lui Hokoana	Chancellor, UH Maui College	Ongoing maintenance and support for SHAKA and ShakaTown online web portals	This project by the UH Maui College Software Development Center allows for the continuation of services and operations of the SHAKA and ShakaTown web portals for the Hawaii Department of Human Services Child Welfare Branch. The SDC will also continue to provide development and maintenance services as well as technical support to youth, providers, and DHS workers and staff who use the SHAKA and ShakaTown modules. The systems allow youth, service providers, and DHS case managers to connect and deliver services and information to improve the youth's potential for success on exit from foster care and beyond.	1	75,315
HUMAN SERVICES, DEPT-HI	Rebecca Rude Ozaki	Center on Disability Studies/University Affiliated Pgms	Community Planning to Implement the Going Home Plus Grant	None Required	1	1,305,900
JUDICIARY-HI	James H. Pietsch	William S. Richardson School of Law	Indigent Legal Assistance Fund (ILAF) - Legal Services for the Elderly	Provide legal services to socially and economically needy persons 60 years and older.	1	36,634

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
LAND & NATURAL RES, DPT-AQUAT (DLNR)	Michael Hamnett	Social Science Research Institute	Day Use Mooring Buoy-Phase III	This project will continue the momentum initiated in Phase I & II by providing DLNR with research support on roles and responsibilities for each component of the DMB program, site selection and use criteria, assessment of agency authority to remove illegal moorings, budgets and funding mechanisms and a plan to institutionalize it within DLNR.	1	73,040

Hawaii- Health Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
QUEEN EMMA CLINICS	Kenneth Nakamura	Department of Pediatrics	REIMBURSEMENT AGREEMENT FISCAL YEAR 2016 - AGREEMENT NO. SF16-QEC-PEDS		1	185,528
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Elizabeth Tam	Department of Medicine	REIMBURSEMENT AGREEMENT FISCAL YEAR 2016 - AGREEMENT NO. SF16-UCERA-MED		1	134,172
UNIVERSITY CLINICAL EDUCATIONAL & RSCH ASSOC (UCERA)	Kenneth Nakamura	Department of Pediatrics	REIMBURSEMENT AGREEMENT FISCAL YEAR 2016 - AGREEMENT NO. SF16-UCERA-PEDS		1	16,737

Hawaii- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
CONSUELO ZOBEL ALGER FOUNDATION	Paula Morelli	School of Social Work	Community-Based Child Sexual Abuse Prevention on Molokai	Developing a sustainable Community-based, CSA Prevention program on Molokai, Hawaii.	1	77,524
UNIVERSITY HAWAII FOUNDATION	Arnold Hara	Plant and Environmental Protection Sciences	Hau`oli Mau Loa CGAPS CTAHR Research Assistantship 2014-2016		1	11,000
UNIVERSITY HAWAII FOUNDATION	Denise Antolini	William S. Richardson School of Law	Conservation International DOCARE Legal Fellow		1	5,400
UNIVERSITY HAWAII FOUNDATION	Donald Price	Biology (UH Hilo)	Hau'oli Mau Loa Foundation Graduate Fellowship Opportunity Tropical Conservation Biology and Environmental Science		1	74,680

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
UNIVERSITY HAWAII FOUNDATION	Erika Lacro	Chancellor, Honolulu Community College	Fujino Matsuda Technology and Educational Center Grant Number 120-9201-4	Provide back-end support and guidance to Honolulu CC's social networking site, HCCConnect. Develop and deliver training modules, presentation material, and participant workbooks for faculty, staff and students. Provide in person support to faculty and staff during the setup and integration of HCCConnect. Investigate and build a project timeline for the migration of HCCConnect from the Ning 2.0 to Ning 3.0 platform. Provide analysis of the usage among HCCConnect users.	1	82,000
UNIVERSITY HAWAII FOUNDATION	Gertraud Maskarinec	Cancer Etiology	Cancer Research Center of Hawaii Traineeship	Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	1	13,158
UNIVERSITY HAWAII FOUNDATION	Helen Cox	Chancellor, Kauai Community College	Kaua`i Community College Aquaponics and Apiary programs	Funds for staffs salaries and fringe benefits	1	27,085
UNIVERSITY HAWAII FOUNDATION	Joanne Taira	Office of the VP for Academic Planning and Policy	President's Emerging Leaders Program	To pay for program costs related to the President's Emerging Leaders Program (second year) for the period of July 1, 2008 through June 30, 2009.	1	17,500
UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Mobile Science Laboratory		1	202,943
UNIVERSITY HAWAII FOUNDATION	Louise Pagotto	Arts and Sciences Academic Program	Research for OLONA Project	The continuation of the botany and chemistry research for students, learning engagement, advance testing and supplies. Provide payments to KCC lecturers Mike Ross MS, Dr. Kathleen Ogata and Community Mentor Dr. Chaz Barit.	1	2,047
UNIVERSITY HAWAII FOUNDATION	Stephen Meder	Facilities Management	Clarence T.C. Ching Athletic complex (UHM 09-302)	Plans, design, and construction of new Clarence T.C. Ching Athletic Complex.	1	1,431,514
UNIVERSITY HAWAII FOUNDATION	Susan Saka	Curriculum Research and Development Group	COE/CRDG Hawaiian Library		1	2,517

Mainland- Non-Profit Organizations

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
INSTITUTE INTERNATIONAL EDUCATION	Julio Rodriguez	Center for Language and Technology	LANGUAGE FLAGSHIP TECHNOLOGY INNOVATION CENTER	The proposed center will support Language Flagship models of language learning through relevant technologies in order to produce	1	624,994

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
				college graduates with professional-level proficiency. The Center will expand existing LF programs capacity to infuse and support technology use that is likely to result in significant language proficiency gains.		

National Aeronautics and Space Administration

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL AERONAUT & SPACE ADM	Nader Haghighipour	Institute for Astronomy	Astrobiology and Habitability in Extreme Planetary Systems - Topical Sessions at Extreme Solar System III Conference		1	19,500
NATIONAL AERONAUT & SPACE ADM	Nikolai Maximenko	International Pacific Research Center (IPRC)	A Workshop on Mission Concepts for Marine Debris Sensing		1	32,340
NATIONAL AERONAUT & SPACE ADM	Scott Rowland	Department of Geology and Geophysics	The 12th NASA Planetary Volcanology Field Workshop		1	90,069
NATIONAL AERONAUT & SPACE ADM	Shadia Habbal	Institute for Astronomy	Planning Workshop III for Observations and Outreach Activities during the Total Solar Eclipse of 21 August 2017		1	15,000
NATIONAL AERONAUT & SPACE ADM	Veronica Bindi	Department of Physics and Astronomy	Multi-Spacecraft Studies of the Highest Energy SEPs with AMS-02	The objective of this proposal is to perform in-depth analyses of the most energetic solar energetic particle (SEP) events generated by the sun during Solar Cycle 24 using data from the Alpha Magnetic Spectrometer (AMS-02) and NASA and NOAA spacecraft.	1	30,000

National Science Foundation

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Edward F DeLong	Center for Microbial Oceanography, Research and Edu (C-MORE)	EarthCube RCN: An EarthCube Oceanography and Geobiology Environmental Omics Research Coordination Network (ECOGEO RCN)		1	59,995

Gift, Grants, and Contracts for Aug 1, 2015 to Aug 31, 2015

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
NATIONAL SCIENCE FOUNDATION	Jason Leigh	Information and Computer Sciences	MRI: Development of the CyberCANOE- a Cyber-enabled Collaboration Analysis Navigation and Observation Environment	To develop a visualization instrument	1	600,000
NATIONAL SCIENCE FOUNDATION	Krystyna Aune	Graduate Education	Graduate Research Fellowship Program	To provide graduate students the opportunity to further their education by funding their research projects.	1	1,120,000
NATIONAL SCIENCE FOUNDATION	Stanley C Dodds	Institute for Astronomy	NSF CC*DNI Instrument: High Performance Reliable Network Access to Mauna Loa Observatory Science Instruments		1	398,207
NATIONAL SCIENCE FOUNDATION	Tracy Wiegner	Natural Sciences Division	Isotope Ratio Mass Spectrometer Acquisition for UH-Hilo Analytical Laboratory	The University of Hawaii at Hilo (UH-Hilo) Analytical Laboratory is proposing to acquire an Isotope Ratio Mass Spectrometer (IRMS) capable of analyzing solid samples (i.e., plant/animal tissues, soils) for stable isotopes of carbon (C), nitrogen (N), sulfur (S), deuterium (D), and oxygen (O), as well as liquid samples for stable N and O isotopes in NO ₃ ⁻ , D and O isotopes in water, and stable C isotopes within dissolved organic C (DOC) and dissolved inorganic C. This IRMS will be the only one on Hawaii Island, and the only one in the state capable of measuring stable isotopes of S and D in solid samples, as well as DOC.	1	568,192

US Colleges and Universities

Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
WASHINGTON STATE UNIVERSITY	Stuart Nakamoto	Human Nutrition, Food and Animal Sciences	Recordkeeping Training for Agricultural Professionals in the Pacific		1	14,586
Non-Research - Total					77	22,521,656
Overall - Total					180	43,592,661

Funds Received from UH Foundation for Aug 1, 2015 to Aug 31, 2015

Non-Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Gertraud Maskarinec	Cancer Etiology	Cancer Research Center of Hawaii Traineeship	Support of CRCH activity: 2008 Meiji Yasuda summer research fellowships.	1	13,158
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Stephen Meder	Facilities Management	Clarence T.C. Ching Athletic complex (UHM 09-302)	Plans, design, and construction of new Clarence T.C. Ching Athletic Complex.	1	1,431,514
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Susan Saka	Curriculum Research and Development Group	COE/CRDG Hawaiian Library		1	2,517
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Denise Antolini	William S. Richardson School of Law	Conservation International DOCARE Legal Fellow		1	5,400
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Erika Lacro	Chancellor, Honolulu Community College	Fujino Matsuda Technology and Educational Center Grant Number 120-9201-4	Provide back-end support and guidance to Honolulu CC's social networking site, HCCconnect. Develop and deliver training modules, presentation material, and participant workbooks for faculty, staff and students. Provide in person support to faculty and staff during the setup and integration of HCCconnect. Investigate and build a project timeline for the migration of HCCconnect from the Ning 2.0 to Ning 3.0 platform. Provide analysis of the usage among HCCconnect users.	1	82,000
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	11,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Donald Price	Biology (UH Hilo)	Hau'oli Mau Loa Foundation Graduate Fellowship Opportunity Tropical Conservation Biology and Environmental Science		1	74,680
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Leslie Kimura	Imiloa Astronomy Center Of Hawaii	Imiloa Mobile Science Laboratory		1	202,943

Funds Received from UH Foundation for Aug 1, 2015 to Aug 31, 2015

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Helen Cox	Chancellor, Kauai Community College	Kaua`i Community College Aquaponics and Apiary programs	Funds for staffs salaries and fringe benefits	1	27,085
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Joanne Taira	Office of the VP for Academic Planning and Policy	President's Emerging Leaders Program	To pay for program costs related to the President's Emerging Leaders Program (second year) for the period of July 1, 2008 through June 30, 2009.	1	17,500
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Louise Pagotto	Arts and Sciences Academic Program	Research for OLONA Project	The continuation of the botany and chemistry research for students, learning engagement, advance testing and supplies. Provide payments to KCC lecturers Mike Ross MS, Dr. Kathleen Ogata and Community Mentor Dr. Chaz Barit.	1	2,047

Research

Sponsor Type	Award Sponsor	PI Name	Department	Title	Project Goals	Award Count	Award Amount
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	James Turkson	Natural Products	2014 Pilot Study Award 3: Evaluation of Hirsutinolides Derived from Vernonia cinerea in the Treatment of Cancer		1	30,000
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Herbert Yu	Cancer Etiology	Chair in Epidemiology		1	115,213
Hawaii- Non-Profit Organizations	UNIVERSITY HAWAII FOUNDATION	Lyle Campbell	Department of Linguistics	Henry Luce Foundation Endangered Languages Catalogue		1	39,604
Overall - Total						14	2,054,661

**Extramural Research Awards for the Month
Aug 1, 2015 to Aug 31, 2015
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	7	708,083	3%
DHHS-Dept of Health and Human Services	8	5,352,608	25%
DOC-Dept of Commerce	3	199,757	1%
DOD-Department of Defense	5	888,257	4%
DOI-Dept of Interior	14	1,122,732	5%
Foreign	3	1,679,011	8%
Hawaii- Government Agencies	8	330,113	2%
Hawaii- Non-Profit Organizations	7	432,030	2%
Mainland- Business and Other	1	25,000	0%
Mainland- Non-Profit Organizations	1	19,979	0%
National Aeronautics and Space Administration	11	1,187,964	6%
National Science Foundation	21	7,603,101	36%
US Colleges and Universities	14	1,522,370	7%
Overall - Total	103	21,071,005	100%

**Extramural Non-Research Awards for the Month of
Aug 1, 2015 to Aug 31, 2015
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	4	1,671,946	7%
DHHS-Dept of Health and Human Services	6	2,612,685	12%
DOC-Dept of Commerce	4	606,042	3%
DOD-Department of Defense	1	5,000	0%
ED-Dept of Education	22	9,605,679	43%
Federal Agencies	2	82,912	0%
Foreign	2	35,432	0%
Hawaii- Business and Other	3	374,903	2%
Hawaii- Government Agencies	6	1,670,369	7%
Hawaii- Health Organizations	3	336,437	1%
Hawaii- Non-Profit Organizations	12	1,947,368	9%
Mainland- Non-Profit Organizations	1	624,994	3%
National Aeronautics and Space Administration	5	186,909	1%
National Science Foundation	5	2,746,394	12%
US Colleges and Universities	1	14,586	0%
Overall - Total	77	22,521,656	100%

**Year to Date Extramural Research Awards
Jul 1, 2015 to Aug 31, 2015
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	21	3,891,100	9%
DHHS-Dept of Health and Human Services	22	11,336,266	25%
DOC-Dept of Commerce	6	646,587	1%
DOD-Department of Defense	9	499,760	1%
DOE-Dept of Energy	2	107,534	0%
DOI-Dept of Interior	19	1,600,907	4%
Foreign	7	2,179,478	5%
Hawaii- Business and Other	4	129,510	0%
Hawaii- Government Agencies	28	3,504,125	8%
Hawaii- Non-Profit Organizations	16	983,868	2%
Mainland- Business and Other	9	279,137	1%
Mainland- Health Organizations	1	10,000	0%
Mainland- Non-Profit Organizations	5	5,127,184	11%
National Aeronautics and Space Administration	17	2,597,001	6%
National Science Foundation	29	10,542,355	23%
US Colleges and Universities	26	2,222,159	5%
Overall - Total	221	45,656,971	100%

**Year to Date Extramural Non-Research Awards
Jul 1, 2015 to Aug 31, 2015
Distribution by Sponsor**

Sponsor Type	Award Count	Award Amount	Percentage
DA-Dept of Agriculture	6	1,786,262	3%
DHHS-Dept of Health and Human Services	8	3,211,133	5%
DOC-Dept of Commerce	13	1,292,727	2%
DOD-Department of Defense	1	5,000	0%
ED-Dept of Education	43	26,936,906	43%
Federal Agencies	4	123,221	0%
Foreign	3	78,432	0%
Hawaii- Business and Other	6	468,020	1%
Hawaii- Dept of Education	4	2,401,217	4%
Hawaii- Government Agencies	28	5,982,982	10%
Hawaii- Health Organizations	13	10,911,127	17%
Hawaii- Non-Profit Organizations	21	1,887,258	3%
Mainland- Non-Profit Organizations	3	1,715,985	3%
National Aeronautics and Space Administration	5	186,909	0%
National Science Foundation	10	5,563,504	9%
US Colleges and Universities	1	14,586	0%
Overall - Total	169	62,565,269	100%