### Gift, Grants, and Contracts for Mar 1, 2012 to Mar 31, 2012

**Research**

#### DHHS-Dept of Health and Human Services

<table>
<thead>
<tr>
<th>Award Sponsor</th>
<th>PI Name</th>
<th>Department</th>
<th>Title</th>
<th>Project Goals</th>
<th>Award Count</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH &amp; HUMAN SVC, DEPT-NIH-FED NATL CANCER INST</td>
<td>Tetine Sentell</td>
<td>Office of Public Health Studies</td>
<td>Health Literacy and Cancer Screening Disparities in Asian American Populations</td>
<td>This project will: (1) Determine if cancer screening rates differ by health literacy (HL) in AA generally and in AA subpopulations; (2) Test if HL explains cancer screening disparities for AA compared to non-Hispanic whites and within AA subpopulations; and (3) Consider the interaction of low HL and English proficiency.</td>
<td>1</td>
<td>68,350</td>
</tr>
<tr>
<td>HEALTH &amp; HUMAN SVC, DEPT-NIH-FED NTL INST ALLERGY/INF DIS</td>
<td>Wen-ming Chu</td>
<td>Natural Products</td>
<td>Mechanism of activation of innate immunity by ISS-DNA</td>
<td>Understand how innate immunity is activated by immunostimulatory DNA sequences (ISS-DN5s).</td>
<td>1</td>
<td>330,785</td>
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#### DOC-Dept of Commerce

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<tr>
<th>Award Sponsor</th>
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</tr>
</thead>
<tbody>
<tr>
<td>COMMERCE, DEPT-NATL NOAA-FED</td>
<td>E. Gordon Grau</td>
<td>Sea Grant College Program</td>
<td>University of Hawaii Institutional Proposal for Years 45 &amp; 46 of the UH Sea Grant College Program</td>
<td>To promote an innovative and effectively managed program of research, education, and outreach directed to the improved understanding, management, and wise use of marine resources of the state, region, and nation.</td>
<td>1</td>
<td>1,995,000</td>
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#### DOD-Department of Defense

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<tr>
<th>Award Sponsor</th>
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<tbody>
<tr>
<td>DEFENSE, DEPT-AIR FORCE</td>
<td>David Lassner</td>
<td>Office of the VP for Information Tech/Chief Info Officer</td>
<td>Operations and Management of the Maui High Performance Computing Center</td>
<td>Cost reimbursement award term contract for research development, operations and management of the Maui High Performance computing Center</td>
<td>2</td>
<td>197,800</td>
</tr>
<tr>
<td>DEFENSE, DEPT-AIR FORCE</td>
<td>David Lassner</td>
<td>Office of the VP for Information Tech/Chief Info Officer</td>
<td>Operations and Management of the Maui High Performance Computing Center</td>
<td>Cost reimbursement award term contract for research, development, operations and management of the Maui Supercoming Center</td>
<td>1</td>
<td>481,863</td>
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<tr>
<td>DEFENSE, DEPT-DEPUTY UNDR SECRETARY OF DEF</td>
<td>James Gaines</td>
<td>Office of the Vice President for Research</td>
<td>Managing Partner of Pacific Disaster Center</td>
<td>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.</td>
<td>1</td>
<td>2,102,300</td>
</tr>
<tr>
<td>DEFENSE, DEPT-NAVY NAVAL RSCH LAB</td>
<td>David Garmire</td>
<td>Electrical Engineering</td>
<td>General Purpose Computing on Graphics Processing Units</td>
<td>The contractor shall conduct basic and applied research aimed at the development of real time image processing algorithms aimed at object detection and classification running on graphics processing units. The contractor will research, evaluate, and code different types of image processing algorithms. The type of code developed will be in C/C++. The developed code will be compared with CPU algorithms through timing benchmarks and processing time reduction.</td>
<td>1</td>
<td>5,000</td>
</tr>
<tr>
<td>DEFENSE, DEPT-NAVY OFC OF NAVAL RSCH</td>
<td>David Garmire</td>
<td>Electrical Engineering</td>
<td>Evaluating Low Power Electronics</td>
<td>The contractor shall conduct basic and applied research aimed at the characterization of nonlinear deep submicron devices for low power operation. The contractor will assist and perform the measuring and data collection of the nonlinear deep submicron devices. The type of data collected will be, but not limited to, temperature, humidity, radiation, magnetic and photonic noise. This also includes the development of numerical methods and software simulation models. The verification of said models for accuracy compared to measured data, and a final report on all the work completed during the internship.</td>
<td>1</td>
<td>20,000</td>
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## DOE-Dept of Energy

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<tr>
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<tbody>
<tr>
<td>ENERGY, DEPT</td>
<td>Jean St-Pierre</td>
<td>Hawaii Natural Energy Institute (HNEI)</td>
<td>The Effect of Airborne Contaminants on Fuel Cell Performance and Durability</td>
<td>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.</td>
<td>1</td>
<td>100,000</td>
</tr>
<tr>
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<tr>
<td>ENERGY, DEPT</td>
<td>Richard E Rocheleau</td>
<td>Hawaii Natural Energy Institute (HNEI)</td>
<td>National Marine Renewable Energy Center in Hawaii</td>
<td>Conduct RD&amp;D to promote the demonstration and commercialization of wave and other ocean power systems in Hawaii.</td>
<td>1</td>
<td>483,495</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>INTERIOR, DEPT-FISH &amp; WILDLIFE SVC</td>
<td>David Duffy</td>
<td>Department of Botany</td>
<td>Project Support for Kauai Invasive Species Committee</td>
<td>Conduct early detection research and investigate strategies for high risk invasive species.</td>
<td>1</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>INTERIOR, DEPT-UNITED STATES GEO SURVEY</td>
<td>Charles Fletcher</td>
<td>Department of Geology and Geophysics</td>
<td>Pacific Islands Climate Science Center</td>
<td>Climate researchers at the University of Hawaii and the University of Guam to establish the Pacific Islands Climate Science Center at UH with resources distributed between the Hilo and Manoa campuses and U of Guam linking scientific research activity and products with basin-wide stakeholders to address climate needs based on advanced scientific research.</td>
<td>1</td>
</tr>
<tr>
<td>Foreign</td>
<td>Korea Food Research Institute</td>
<td>Soojin Jun</td>
<td>Human Nutrition, Food and Animal Sciences</td>
<td>High Wear and Biofouling Resistant Nanoparticle-Polymer Composite Coating for Food Processing</td>
<td>To develop and optimize high wear resistant nanoparticles-polymer composite coating to inhibit bacterial adhesion and biofouling formation on the surfaces of food equipments</td>
<td>1</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>AGRICULTURE, DEPT-HI</td>
<td>Tomoaki Miura</td>
<td>Natural Resources and Environmental Mgt</td>
<td>CTAHR Agricultural Database</td>
<td>This proposal aims at developing a new logic to populate a geospatial database and to classify land for agricultural as well as other current uses as required. We propose to prototype for the Kaiaka Bay Watershed in Oahu</td>
<td>1</td>
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<tr>
<td>BUSINESS, ECON DEV &amp; TOUR, DPT</td>
<td>Stephen Meder</td>
<td>School of Architecture</td>
<td>Kuykendall Renovation Project Lighting Design and Training</td>
<td>The Kuykendall Hall renovation design team has set a goal of achieving a net-zero energy building when complete, the first for the University of Hawaii. The energy analysis firm for this project is Loisos and Ubbelhode Architects located in Alameda, CA. This funding is for: (1) additional lighting design analysis which will assist in achieving the net-zero goal; and (2) a half-day workshop for the lighting design industry in Honolulu.</td>
<td>1</td>
<td>20,000</td>
</tr>
<tr>
<td>LAND &amp; NATURAL RES, DPT-FORST (DLNR)</td>
<td>Clifford W. Morden</td>
<td>Department of Botany</td>
<td>Waianae Mountains Planning and Management</td>
<td>Coordinate the Waianae watershed partnership, including restoration of native ecosystems.</td>
<td>1</td>
<td>92,000</td>
</tr>
<tr>
<td>LAND &amp; NATURAL RES, DPT-FORST (DLNR)</td>
<td>David Duffy</td>
<td>Department of Botany</td>
<td>Kauai Nene Population Management</td>
<td>Development, implement, and evaluate translocation techniques for nene goose populations from sites where they are in conflict with humans to more suitable habitats.</td>
<td>1</td>
<td>60,000</td>
</tr>
<tr>
<td>LAND &amp; NATURAL RES, DPT-FORST (DLNR)</td>
<td>David Duffy</td>
<td>Department of Botany</td>
<td>Landowner Assistance Program for Endangered Species Protection</td>
<td>Provide conservation expertise to landowners on all aspects of assistance programs for endangered species protection, and assist in development of plans and agreements.</td>
<td>1</td>
<td>65,000</td>
</tr>
<tr>
<td>LAND &amp; NATURAL RESOURCES, DEPT (DLNR)</td>
<td>Donald Thomas</td>
<td>Hawaii Institute of Geophysics and Planetology (HIGP)</td>
<td>Geothermal Resource Exploration Plan for Hawaii</td>
<td>Conduct statewide geothermal resources assessment in prospective geothermal resource areas. Supplement to US DOE funded research.</td>
<td>1</td>
<td>476,521</td>
</tr>
<tr>
<td>PUBLIC SAFETY, DEPT-HI</td>
<td>William F Haning</td>
<td>Department of Psychiatry</td>
<td>Affiliation Agreement for Consultative, Assessment, and Training Services</td>
<td>Provide consultative, assessment, and training services to the State of Hawaii, Department of Public Safety</td>
<td>1</td>
<td>4,140</td>
</tr>
<tr>
<td>TRANSPORTATION, DEPT-HI</td>
<td>Joseph DeFrank</td>
<td>Tropical Plant and Soil Science</td>
<td>Developing Large Scale Seed Production and Roadside Establishment Protocols for Four Native Hawaiian Groundcovers</td>
<td>The proposed study will focus on evaluating four native groundcover species (Pili grass, Emoloa, Kamanomano and Konakona) for large scale seed production and roadside re-vegetation.</td>
<td>1</td>
<td>190,089</td>
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## Hawaii- Non-Profit Organizations

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<tr>
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</thead>
<tbody>
<tr>
<td>PAC RESOURCES FOR ED &amp; LEARNING (PREL)</td>
<td>Charles Fletcher</td>
<td>Department of Geology and</td>
<td>Pacific Islands Climate Change Education Partnership (PCEP)</td>
<td>To provide climate science expertise for the planning, development and implementation of</td>
<td>1</td>
<td>62,000</td>
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<tbody>
<tr>
<td>Geophysics</td>
<td></td>
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<td>the Pacific islands Climate Change Education Partnership (PCEP) serving the United States Affiliated Pacific Island region (USAPI).</td>
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### Mainland- Business and Other

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<tbody>
<tr>
<td>SPACE TELESCOPE SCIENCE INSTITUTE</td>
<td>Michael Liu</td>
<td>Institute for Astronomy</td>
<td>Bridging the Brown Dwarf/Jupiter Temperature Gap with a Very Cold Brown Dwarf</td>
<td>We propose to use Hubble Space Telescope to obtain far-red and near-IR medium-band photometry of CFBD5IR J1458+10B and to measure its 0.8-1.6 micron spectral energy distribution.</td>
<td>1</td>
<td>76,216</td>
</tr>
<tr>
<td>The Emmes Corporation</td>
<td>Bruce Shiramizu</td>
<td>Department of Medicine</td>
<td>Anal Dysplasia/Cancer Screening for Native Hawaiians, Pacific Islanders, and Asians in Hawaii for AMC HRA Certification</td>
<td>By leveraging and supporting a Patient Navigator program, HRA results from participants who will be actively recruited by UH AMC PN will be compared to those participants who were self- or healthcare provider- referred. The project will also determine if Native Hawaiian, Pacific Islander, and Asian patients will participate in the study through efforts by the UH AMC PN.</td>
<td>1</td>
<td>9,271</td>
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### Mainland- Health Organizations

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<tr>
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<tbody>
<tr>
<td>WOMEN &amp; INFANTS HOSP OF RHODE ISLAND</td>
<td>Charles Neal</td>
<td>Department of Pediatrics</td>
<td>Prenatal Methamphetamine Exposure and School Age Outcome (IDEAL II)</td>
<td>The major goal of this project is to study the effects of prenatal methamphetamine exposure on child outcomes.</td>
<td>1</td>
<td>264,270</td>
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### Mainland- Non-Profit Organizations

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<tr>
<td>Forsyth Institute</td>
<td>Claudio Nigg</td>
<td>Dept of Public Health Sciences and Epidemiology</td>
<td>Integrating Social, Behavioral, &amp; Preventative Sciences to Reduce Children's Caries</td>
<td>This is a pilot project to develop the protocol and manual of operations for a subsequent U01 submission. The pilot looks at combining social networking with behavioral intervention to improve oral health in children in elementary after-school programs in Hawaii.</td>
<td>1</td>
<td>93,891</td>
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<tbody>
<tr>
<td>SOUTHWEST RESEARCH INSTITUTE</td>
<td>Tobias Owen</td>
<td>Institute for Astronomy</td>
<td>Juno Science Support Phase B/C/D/E Activities</td>
<td>Dr. Owen will serve as the lead scientist for Juno education and public outreach (E/PO) providing scientific guidance and review for all aspects of these activities. He will also assist in analysis, modeling, and interpretation of models of Jupiter formation.</td>
<td>1</td>
<td>30,356</td>
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### National Aeronautics and Space Administration

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<tr>
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<tbody>
<tr>
<td>NATIONAL AERONAUT &amp; SPACE ADM</td>
<td>Karen Meech</td>
<td>Institute for Astronomy</td>
<td>Water and Habitable Worlds</td>
<td>Training the next generation of astrobiologists is one of the major tasks of our scientific community. Furthermore, it is necessary for the future of astrobiology to attract the best early career researchers. This is made difficult in an environment where astrobiology courses are offered by only few universities where often individual institutions lack the capacity to offer comprehensive courses in such a diverse subject area. The summer and winter schools organized jointly by the NASA Astrobiology Institute and the Nordic Astrobiology Network since 2005 have tried to remedy this. Both the Nordic NASA Summer School in Iceland 2009 as well as the NASA Nordic Winter School in Hawaii 2011 has been highly successful. Furthermore, the strong applicant pool showed that there is a strong demand for such courses which cannot only be explained by the high quality of the lecturers, but by a true interest of very promising students in astrobiology.</td>
<td>1</td>
<td>405,593</td>
</tr>
<tr>
<td>NATIONAL AERONAUT &amp; SPACE ADM</td>
<td>Mark Martindale</td>
<td>Pacific Biosciences Research Center</td>
<td>The Cellular and Molecular Basis for the Evolution of Cell-type Complexity</td>
<td>This grant will use two important invertebrate marine model systems to understand the cellular and molecular basis for the evolution of novel cell types, including the origins of eyes and photobehavior and other unique components of the nervous system</td>
<td>1</td>
<td>250,124</td>
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<tr>
<td>NATIONAL AERONAUT &amp; SPACE ADM</td>
<td>Peter Gorham</td>
<td>Department of Physics and Astronomy</td>
<td>ExaVolt Antenna: Supporting Technology for Suborbital Ultra-high Energy Particle Observatories</td>
<td>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</td>
<td>1</td>
<td>113,628</td>
</tr>
<tr>
<td>NATIONAL AERONAUT &amp; SPACE ADM</td>
<td>Shang-Ping Xie</td>
<td>Department of Meteorology</td>
<td>Interannual Variability of Ocean Vector Winds Near Ocean Fronts and Coastal Orograph</td>
<td>We study interannual variability of ocean vector winds observed by satellites and their role in ocean-atmosphere interactions, with a focus on narrow-scale features not resolved by traditional climate datasets.</td>
<td>1</td>
<td>60,000</td>
</tr>
<tr>
<td>NATIONAL AERONAUT &amp; SPACE ADM</td>
<td>Tobias Owen</td>
<td>Institute for Astronomy</td>
<td>Sample Acquisition and Measurement on Mars (SAM): Mars Science Lander (MSL)</td>
<td>Participation, and data analysis in the mission called “Mars Science Lander”. The spacecraft for this mission consists of a rover the size of a small car, loaded with instruments and is scheduled for launch next year, 2011, with a landing on Mars in November 2011. The rover will travel around on Mars for about one year.</td>
<td>1</td>
<td>7,000</td>
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## National Science Foundation

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<tr>
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<tr>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Huw Morgan</td>
<td>Institute for Astronomy</td>
<td>SHINE: Separating the Dynamic and Quiescent Corona: A New Tool for the Detection and Analysis of Coronal Mass Ejections (CMEs)</td>
<td>A new technique has been developed to isolate Coronal Mass Ejection (CME) signal in coronagraph images, resulting in a pair of images for each observation-an image of the quiescent large-scale coronal structure devoid of CMEs, and another image containing CMEs and all other small-scale dynamic events.</td>
<td>1</td>
<td>139,000</td>
</tr>
<tr>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Ralf I Kaiser</td>
<td>Department of Chemistry</td>
<td>Untangling the Energetics and Dynamics of Reactions of Ground State Silicon Atoms with Small Hydrocarbon Radicals</td>
<td>We want to find out how organo silicon molecules are formed in extreme environments.</td>
<td>1</td>
<td>144,000</td>
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<tr>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Robert A Stodden</td>
<td>Center on Disability Studies/University Affiliated Pgms</td>
<td>Pacific Alliance for Supporting Individuals with Disabilities in STEM Fields Partnership (Pacific Alliance)</td>
<td>The Pacific Alliance, led by CDS staff at UH-M, is designed to significantly increase and broaden participation of students with disabilities who enroll in and complete 2- and 4-year undergraduate degrees in STEM fields, enter STEM graduate programs, and enter the STEM workforce within Hawaii and US Pacific Jurisdictions</td>
<td>2</td>
<td>293,543</td>
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### US Colleges and Universities

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<tr>
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<tr>
<td>ALASKA FAIRBANKS, UNIVERSITY OF</td>
<td>Milton Garces</td>
<td>Hawaii Institute of Geophysics and Planetology (HIGP)</td>
<td>Operational Support of Infrasound Station I59US of the International Monitoring System (IMS)</td>
<td>Operate, maintain and upgrade/sustain the I59 infrasound site in Hawaii.</td>
<td>1</td>
<td>72,000</td>
</tr>
<tr>
<td>RHODE ISLAND, UNIVERSITY OF</td>
<td>Roger B Lukas</td>
<td>Department of Oceanography</td>
<td>Advanced Coupled Atmosphere-Wave-Ocean Modeling for Improving Tropical Cyclone Prediction Models</td>
<td>Collaborate with Co-PIs to develop strategies from improved air-sea exchange parameterizations in operational hurricane prediction models.</td>
<td>1</td>
<td>18,939</td>
</tr>
<tr>
<td>RUTGERS, STATE UNIVERSITY OF NEW JERSEY</td>
<td>Bartley Frueh</td>
<td>Social Sciences Division</td>
<td>PTSD and Addiction Disorder Screening and Treatment for Incarcerated Men</td>
<td>This Study proposes to address both the screening for and treatment of Post-Traumatic Stress Disorder (PTSD) and addiction disorders within an adult male correctional setting.</td>
<td>1</td>
<td>86,271</td>
</tr>
<tr>
<td>UNIVERSITY ADVANCE CORP, CAL STATE NORTHRIDGE</td>
<td>Ruth Deborah Gates</td>
<td>Hawaii Institute of Marine Biology (HIMB)</td>
<td>Coral Reefs in the US Virgin Islands: 1987-2019</td>
<td>DNA genotyping of endosymbiotic dinoflagellates harbored by corals collected from St John, USVI</td>
<td>1</td>
<td>17,565</td>
</tr>
<tr>
<td>VIRGINIA POLYTECHNIC INST &amp; STATE UNIV</td>
<td>Catherine Chan-Halbrendt</td>
<td>Natural Resources and Environmental Mgt</td>
<td>Sustainable Management of Agroecological Resources for Tribal Societies (SMARTS)</td>
<td>This proposal will address conservation agricultural practices among tribal populations in India and Nepal. The goal is to improve the livelihood of these subsistence farmers, modify slash-and-burn practices and introduce innovative soil and water conservation measures.</td>
<td>1</td>
<td>309,025</td>
</tr>
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### Research - Total

<table>
<thead>
<tr>
<th>Award Type</th>
<th>Award Count</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>43</td>
<td>10,127,659</td>
</tr>
</tbody>
</table>

### Non-Research

DA-Dept of Agriculture
### Gift, Grants, and Contracts for Mar 1, 2012 to Mar 31, 2012

<table>
<thead>
<tr>
<th>Award Sponsor</th>
<th>PI Name</th>
<th>Department</th>
<th>Title</th>
<th>Project Goals</th>
<th>Award Count</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICULTURE, DEPT-FED</td>
<td>Barry Brennan</td>
<td>Plant and Environmental Protection Sciences</td>
<td>Promoting Hawaii Agrosecurity Through Research and Education</td>
<td>Faculty involved in this proposal will provide educational, diagnostic and research support for the DOAs Biosecurity Plan</td>
<td>1</td>
<td>100,000</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>George Hui</td>
<td>Department of Tropical Medicine, Medical Micro and Pharm</td>
<td>High School Students Step-Up to Biomedical Research</td>
<td>Provide biomedical research training for high school students of ethnic minority and economically disadvantaged background.</td>
<td>1</td>
<td>205,161</td>
</tr>
<tr>
<td>Foreign</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMMONWEALTH OF NO MARIANA ISLANDS</td>
<td>Norman Okamura</td>
<td>Social Science Research Institute</td>
<td>Commonwealth of the Northern Marianas (CNMI) Health Information Exchange Year 2</td>
<td>Plan, furnish, &amp; deliver a Mirth Connect application for secure information exchange; establish a Nationwide Health Information (NwHIN) Connect software System testbed; &amp; develop Data Use and reciprocal Support Agreements (SURSA) for SNMI HIE/HIT/HER.</td>
<td>1</td>
<td>110,000</td>
</tr>
<tr>
<td>COMMONWEALTH OF NO MARIANA ISLANDS</td>
<td>Norman Okamura</td>
<td>Social Science Research Institute</td>
<td>Commonwealth of the Northern Marianas Islands (CNMI) State Medicaid Health Information Technology Plan (SMHP)</td>
<td>UH TASI will work with CNMI Medicaid Program in the Development of the SMHP.</td>
<td>1</td>
<td>140,000</td>
</tr>
<tr>
<td>FEDERATED STATES MICRONESIA</td>
<td>Lee E Buenconsejo-Lum</td>
<td>Department of Family Medicine and Community Health</td>
<td>Pacific Regional Comprehensive Cancer Control Implementation Program (subcontract from FSM Department of Health &amp; Social Affairs)</td>
<td>Implement the Pacific Regional Comprehensive Cancer Control Program in conjunction with the USAPI jurisdictions; develop a shared cancer resource for use by the jurisdictions; conduct relevant training for health providers; build capacity and policies relevant to cancer control.</td>
<td>1</td>
<td>70,000</td>
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<tr>
<td>Hawaii- Business and Other</td>
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</tr>
<tr>
<td>KAMEHAMEHA SCHOOLS</td>
<td>Gene I. Awakuni</td>
<td>Chancellor, UH West Oahu</td>
<td>MOA between Kamehameha Schools &amp; UH West Oahu</td>
<td>To support a Native Hawaiian Educational Outcomes Council coordinator.</td>
<td>1</td>
<td>55,000</td>
</tr>
<tr>
<td>Hawaii- Dept of Education</td>
<td></td>
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<table>
<thead>
<tr>
<th>Award Sponsor</th>
<th>PI Name</th>
<th>Department</th>
<th>Title</th>
<th>Project Goals</th>
<th>Award Count</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUCATION, DEPT-HI</td>
<td>Donald B Young</td>
<td>Curriculum Research and Development Group</td>
<td>Provision of Common Core Standards (CCSS) Aligned Math Course Materials and Professional Development</td>
<td>Develop high school course materials in Algebra aligned with Common core State Standards; field test draft materials; provide professional development to HIDOE mathematics teachers implementing developed course materials.</td>
<td>1</td>
<td>300,000</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCOUNTING &amp; GEN SVC, DEPT-HI</td>
<td>Timothy Slaughter</td>
<td>Outreach College</td>
<td>SCEP: Presenting &amp; Touring Outreach</td>
<td>Coordination of presentation of arts and cultural performances in community-based locations throughout the state of Hawaii</td>
<td>1</td>
<td>80,000</td>
</tr>
<tr>
<td>AGRICULTURE, DEPT-HI</td>
<td>James R. Hollyer</td>
<td>Plant and Environmental Protection Sciences</td>
<td>CTAHRs Unified Food Safety Coaching, Research and Education Program</td>
<td>This project establishes for the first time a formal, comprehensive and unified farm-to-fork coaching, research and education program for agriculture and food businesses and consumers in Hawaii</td>
<td>1</td>
<td>250,000</td>
</tr>
<tr>
<td>COUNTY MAUI OFC OF ECON DEVEL</td>
<td>Nancy Johnson</td>
<td>Allied Health Department</td>
<td>Expansion of the Allied Health Programs at UH Maui College</td>
<td>Continue expanded enrollments of the Allied Health nursing, dental assisting, and dental hygiene program.</td>
<td>1</td>
<td>252,900</td>
</tr>
<tr>
<td>HEALTH, DEPT-HI</td>
<td>Denise Cohen</td>
<td>Allied Health Department</td>
<td>State of Hawaii Department of Health Family Health Services Division Maternal &amp; Child Health Grant Women's Health Section - Family Planning Program</td>
<td>To provide subsidized family planning services for women and men, as well as additional training for staff with regards to family planning.</td>
<td>1</td>
<td>5,000</td>
</tr>
<tr>
<td>HUMAN SERVICES, DEPT-HI</td>
<td>Naomi Kanehiro</td>
<td>Human Nutrition, Food and Animal Sciences</td>
<td>UH-CES Supplemental Nutrition Assistance Program Education FY 2012</td>
<td>Project priorities are to explore practical ways to influence positive nutrition behaviors and to interactively deliver nutrition education services for Supplemental Nutrition Assistance Program participants and those eligible to participate.</td>
<td>1</td>
<td>231,641</td>
</tr>
<tr>
<td>PUBLIC SAFETY, DEPT-HI</td>
<td>Patrick Uchigakiuchi</td>
<td>Social Science Research Institute</td>
<td>Trauma Informed Care at the Women’s Community Correctional Center</td>
<td>Facilitate the development of a culturally competent trauma-informed system of care in the Women’s Community Correctional Center.</td>
<td>1</td>
<td>17,000</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kessler Foundation</td>
<td>Steven Brown</td>
<td>Center on Disability</td>
<td>EmployAble: A World Without Barriers</td>
<td>EmployAble, a model virtual employment</td>
<td>1</td>
<td>425,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Award Sponsor</th>
<th>PI Name</th>
<th>Department</th>
<th>Title</th>
<th>Project Goals</th>
<th>Award Count</th>
<th>Award Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studies/University Affiliated Pgms</td>
<td>Christina Higa</td>
<td>Social Science Research Institute</td>
<td>RAPIDCast System Development, Training, and Deployment Support</td>
<td>Support the deployment of RAPIDCast through better training, reference and support materials. Provide support to help ensure RAPIDCast launches as a useful and reliable service.</td>
<td>2</td>
<td>15,855</td>
</tr>
<tr>
<td>UNIVERSITY CORP ATMOSPHERIC RSCH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Robert Cowie</td>
<td>Pacific Biosciences Research Center</td>
<td>REVSYS: A Revision of New World Ampullariidae: An Emerging Model System in Evolutionary Biology and Systematics Training</td>
<td>This is a supplemental request for training of an undergraduate student to participate in systematics research on apple snails.</td>
<td>1</td>
<td>19,815</td>
</tr>
<tr>
<td>KANSAS STATE UNIVERSITY</td>
<td>Claire Nakatsuka</td>
<td>Family and Consumer Sciences</td>
<td>OSD/Operation: Military Kids Camp 2012</td>
<td>OSD/OMK camps focus on creating experimental learning opportunities which instill/build skills in military kids to become resilient throughout the deployment cycle.</td>
<td>1</td>
<td>36,674</td>
</tr>
<tr>
<td>TENNESSEE-KNOXVILLE, UNIVERSITY OF</td>
<td>Barry Brennan</td>
<td>Plant and Environmental Protection Sciences</td>
<td>Supporting the Development and Delivery of the National Food Safety Curriculum</td>
<td>Review existing courses and develop training course(s) or module(s) for food safety officials to address food safety considerations in event of natural or technological disaster.</td>
<td>1</td>
<td>203,106</td>
</tr>
</tbody>
</table>

## Non-Research - Total

|                          | 19 | 2,517,152 |

## Overall - Total

|                          | 62 | 12,644,811 |
Extramural Research Awards for the Month  
Mar 1, 2012 to Mar 31, 2012  
Distribution by Sponsor

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>Award Count</th>
<th>Award Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>2</td>
<td>399,135</td>
<td>4%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>1</td>
<td>1,995,000</td>
<td>20%</td>
</tr>
<tr>
<td>DOD-Department of Defense</td>
<td>6</td>
<td>2,806,963</td>
<td>28%</td>
</tr>
<tr>
<td>DOE-Dept of Energy</td>
<td>2</td>
<td>583,495</td>
<td>6%</td>
</tr>
<tr>
<td>DOI-Dept of Interior</td>
<td>2</td>
<td>778,409</td>
<td>8%</td>
</tr>
<tr>
<td>Foreign</td>
<td>2</td>
<td>54,215</td>
<td>1%</td>
</tr>
<tr>
<td>Hawaii- Government Agencies</td>
<td>8</td>
<td>1,057,750</td>
<td>10%</td>
</tr>
<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>1</td>
<td>62,000</td>
<td>1%</td>
</tr>
<tr>
<td>Mainland- Business and Other</td>
<td>2</td>
<td>85,487</td>
<td>1%</td>
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<tr>
<td>Mainland- Health Organizations</td>
<td>1</td>
<td>264,270</td>
<td>3%</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>2</td>
<td>124,247</td>
<td>1%</td>
</tr>
<tr>
<td>National Aeronautics and Space Admin</td>
<td>5</td>
<td>836,345</td>
<td>8%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>4</td>
<td>576,543</td>
<td>6%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>5</td>
<td>503,800</td>
<td>5%</td>
</tr>
<tr>
<td><strong>Overall - Total</strong></td>
<td><strong>43</strong></td>
<td><strong>10,127,659</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
## Extramural Non-Research Awards for the Month of Mar 1, 2012 to Mar 31, 2012
### Distribution by Sponsor

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>Award Count</th>
<th>Award Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>1</td>
<td>100,000</td>
<td>4%</td>
</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>1</td>
<td>205,161</td>
<td>8%</td>
</tr>
<tr>
<td>ED-Dept of Education</td>
<td>0</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Foreign</td>
<td>3</td>
<td>320,000</td>
<td>13%</td>
</tr>
<tr>
<td>Hawaii- Business and Other</td>
<td>1</td>
<td>55,000</td>
<td>2%</td>
</tr>
<tr>
<td>Hawaii- Dept of Education</td>
<td>1</td>
<td>300,000</td>
<td>12%</td>
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<tr>
<td>Hawaii- Government Agencies</td>
<td>6</td>
<td>836,541</td>
<td>33%</td>
</tr>
<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>3</td>
<td>440,855</td>
<td>18%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>1</td>
<td>19,815</td>
<td>1%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
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<td>239,780</td>
<td>10%</td>
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<tr>
<td><strong>Overall - Total</strong></td>
<td><strong>19</strong></td>
<td><strong>2,517,152</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
## Year to Date Extramural Research Awards
### Jul 1, 2011 to Mar 31, 2012
### Distribution by Sponsor

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>Award Count</th>
<th>Award Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>39</td>
<td>8,213,705</td>
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<tr>
<td>DHHS-Dept of Health and Human Services</td>
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<td>19%</td>
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<tr>
<td>DOC-Dept of Commerce</td>
<td>54</td>
<td>18,939,428</td>
<td>11%</td>
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<tr>
<td>DOD-Department of Defense</td>
<td>61</td>
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<td>20%</td>
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<tr>
<td>DOE-Dept of Energy</td>
<td>5</td>
<td>2,946,334</td>
<td>2%</td>
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<tr>
<td>DOI-Dept of Interior</td>
<td>35</td>
<td>4,224,360</td>
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<tr>
<td>ED-Dept of Education</td>
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<tr>
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<tr>
<td>Hawaii- Business and Other</td>
<td>17</td>
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<td>Hawaii- Non-Profit Organizations</td>
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<td>Mainland- Health Organizations</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>17</td>
<td>1,128,111</td>
<td>1%</td>
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<tr>
<td>Miscellaneous</td>
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<td>13,153,763</td>
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<tr>
<td>National Science Foundation</td>
<td>73</td>
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<td>US Colleges and Universities</td>
<td>81</td>
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<tr>
<td><strong>Overall - Total</strong></td>
<td><strong>737</strong></td>
<td><strong>168,205,702</strong></td>
<td><strong>100%</strong></td>
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</table>
## Year to Date Extramural Non-Research Awards
### Jul 1, 2011 to Mar 31, 2012
### Distribution by Sponsor

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>Award Count</th>
<th>Award Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-Dept of Agriculture</td>
<td>16</td>
<td>2,899,807</td>
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</tr>
<tr>
<td>DHHS-Dept of Health and Human Services</td>
<td>30</td>
<td>9,137,734</td>
<td>7%</td>
</tr>
<tr>
<td>DOC-Dept of Commerce</td>
<td>9</td>
<td>3,384,521</td>
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<tr>
<td>DOD-Department of Defense</td>
<td>7</td>
<td>2,196,173</td>
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<tr>
<td>DOE-Dept of Energy</td>
<td>1</td>
<td>299,693</td>
<td>0%</td>
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<tr>
<td>DOI-Dept of Interior</td>
<td>10</td>
<td>359,794</td>
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<td>ED-Dept of Education</td>
<td>80</td>
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<td>Hawaii- Business and Other</td>
<td>23</td>
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<td>Hawaii- Dept of Education</td>
<td>9</td>
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<tr>
<td>Hawaii- Government Agencies</td>
<td>86</td>
<td>12,363,242</td>
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<tr>
<td>Hawaii- Health Organizations</td>
<td>10</td>
<td>622,356</td>
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<tr>
<td>Hawaii- Non-Profit Organizations</td>
<td>50</td>
<td>4,086,791</td>
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<tr>
<td>Mainland- Business and Other</td>
<td>21</td>
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<tr>
<td>Mainland- Health Organizations</td>
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<td>56,810</td>
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<tr>
<td>Mainland- Non-Profit Organizations</td>
<td>13</td>
<td>1,812,719</td>
<td>1%</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
<td>4</td>
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<td>1%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>26</td>
<td>13,445,880</td>
<td>11%</td>
</tr>
<tr>
<td>US Colleges and Universities</td>
<td>31</td>
<td>2,037,160</td>
<td>2%</td>
</tr>
<tr>
<td><strong>Overall - Total</strong></td>
<td><strong>454</strong></td>
<td><strong>127,796,161</strong></td>
<td><strong>100%</strong></td>
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</table>