New Funding Opportunities February 14, 2012

Aloha,

Here are some current funding opportunities that might be of interest to you. Please pass this information on to anyone else who could use it. If the deadline is too short for this year, it is still a good indication of the likely due date for next year. Let me know if I can be of any assistance with developing and submitting a grant application.

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For information on submitting grants electronically on grants.gov the following publication may be useful:

USDA, NIFA Grants.gov Application Guide – A guide for the preparation and submission of NIFA applications via grants.gov:

 $\frac{http://apply07.grants.gov/apply/opportunities/instructions/oppUSDA-NIFA-CGP-002644-cfda10.217-instructions.pdf\%\,20target}{20target}$

NIFA Help Desk - Phone: 202-401-5048 (M-F 7:00 am -5:00 pm ET)

UH Office of Research Services (ORS) Grants.gov Cover Page Information:

http://www.ors.hawaii.edu/ library/documents/SF424 Instructions.pdf

UH ORS Institutional Profile Information:

http://www.ors.hawaii.edu/institutional-profile.asp

UH ORS Help Desk – Phone: 956-5198 (M-F 7:45-4:30 pm HST)

\$ - USDA, NIFA - Regional Integrated Pest Management Competitive Grants Program - Western Region (W-RIPM)

Document Type: Modification to Previous Grants Notice

Funding Opportunity Number: USDA-NIFA-RIPM-003627

Opportunity Category:

Posted Date:

Current Closing Date:

Estimated Total Program Funding:

Award Ceiling:

Discretionary

Jan 03, 2012

Feb 29, 2012

\$650,000

\$180,000

CFDA Number(s): 10.200 -- Grants for Agricultural Research,

Special Research Grants

Cost Sharing or Matching Requirement: No

The Regional IPM Competitive Grants Program (RIPM) supports the continuum of research and extension efforts needed to increase the implementation of IPM methods. The RIPM program supports projects that develop individual pest control tactics, integrate individual tactics into an IPM system, and develop and implement extension and education programs. The program is administered by the land-grant university system's four regional IPM Centers (North Central, Northeastern, Southern, Western) in partnership with NIFA.

URL: http://www.nifa.usda.gov/funding/rfas/ipm western.html

\$ - USDA, FS - 2012 Hazardous Fuels Woody Biomass Utilization Grant

Document Type: Modification to Previous Grants Notice

Funding Opportunity Number: USDA-FS-2012-WBU

Opportunity Category:

Posted Date:

Nov 21, 2011
Creation Date:

Dec 21, 2011
Original Closing Date:

Mar 31, 2012

Current Closing Date:

Mar 01, 2012

Expected Number of Awards: 15

Estimated Total Program Funding: \$3,000,000 Award Ceiling: \$250,000 Award Floor: \$50,000

CFDA Number(s): 10.674 -- Forest Products Lab: Technology Marketing Unit (TMU)

Cost Sharing or Matching Requirement: Yes

The U.S. Forest Service, State and Private Forestry, Technology Marketing Unit, located at the Forest Products Laboratory, requests proposals for wood energy projects that require engineering services. These projects will use woody biomass, such as material removed from forest restoration activities, wildfire hazardous fuel treatments, insect and disease mitigation, forest management due to catastrophic weather events, and/or thinning overstocked stands. The woody biomass shall be used in a bioenergy facility that uses commercially proven technologies to produce thermal, electrical or liquid/gaseous bioenergy. The funds from the Hazardous Fuels Woody Biomass Utilization (WBU) Grant program must be used to further the planning of such facilities by funding the engineering services necessary for final design and cost analysis. Examples of projects might include engineering design of a 1) woody biomass boiler for steam at a sawmill, hospital or school, 2) non-pressurized hot water system for various applications, and 3) biomass power generation facility. To join in support of the public interest and general welfare to protect communities and critical infrastructure, the applicants to this program seek assistance to complete the necessary design work required to secure public and/or private funding for construction for developing local enterprises to better utilize woody biomass. In particular, USDA Rural Development has established grants and loan programs that might help fund construction of such facilities. The lack of engineering design often limits the ability of an applicant or business to receive federal, state or private funding.

http://www.grants.gov/search/search.do?mode=VIEW&oppId=130235

\$ - USDA, NIFA - Alaska Native-Serving and Native Hawaiian-Serving Institutions Education Competitive Grants Program (ANNH)

The purpose of this program is to promote and strengthen the ability of Alaska Native-Serving Institutions and Native Hawaiian-Serving Institutions to carry out education, applied research, and related community development programs. NIFA intends this program to address educational needs, as determined by each institution, within a broadly defined arena of food and agricultural sciences-related disciplines. Priority will be given to those projects that enhance educational equity for under represented students; strengthen institutional educational capacities; prepare students for careers related to the food, agricultural, and natural resource systems of the United States; and maximize the development and use of resources to improve food and agricultural sciences teaching programs. Individual public or private, nonprofit Alaska Native-serving and Native Hawaiian-serving institutions of higher education that meet the definitions of Alaska Native-Serving Institution or Native Hawaiian-Serving Institution established in Title III, Part A of the Higher Education Act of 1965, as amended (20 U.S.C. 1059d.) are eligible institutions under this program. See RFA for further information may apply.

Solicitation Date (Opening)	January 4, 2012
Letter of Intent Due Date	None
Due Date (Closing)	March 1, 2012
Estimated Total Program Funding	\$3,000,000.00
Range of Awards	\$150,000.00 to \$1,500,000.00

Percent of Applications Funded Last Fiscal Year	100%
Cost Sharing Requirements	None
For More Information Contact	Saleia Afele-Faamuli
Funding Opportunity Number	USDA-NIFA-AHSI-003631
CFDA Number	10.228 Alaska Native Serving and Native Hawaiian Serving Institutions Education Grants

\$ - NOAA - 2012 Marine Education and Training Mini Grant Program

Document Type: Modification to Previous Grants Notice

Funding Opportunity Number: NOAA-NMFS-PIRO-2012-2003234

Opportunity Category:

Posted Date:

Creation Date:

Original Closing Date:

Current Closing Date:

Archive Date:

Discretionary

Dec 19, 2011

Mar 02, 2011

Mar 04, 2012

Mar 02, 2012

Apr 01, 2012

Funding Instrument Type: Cooperative Agreement Grant

Estimated Total Program Funding: \$150,000

CFDA Number(s): 11.452 -- Unallied Industry Projects

Cost Sharing or Matching Requirement: No

The National Marine Fisheries Service (NOAA/NMFS) is soliciting competitive applications for the 2012 Pacific Islands Region Marine Education and Training Mini-Grant Program. Projects are being solicited to improve communication, education, and training on marine resource issues throughout the region and increase scientific education for marine-related professions among coastal community residents, including indigenous Pacific islanders, Native Hawaiians and other underrepresented groups in the region.

http://www.grants.gov/search/search.do?mode=VIEW&oppId=134813

\$ - NSF - Plant Genome Research Program (PGRP) (NSF 12-517)

Deadline: March 5, 2012

This program is a continuation of the Plant Genome Research Program (PGRP) that began in FY 1998 as part of the National Plant Genome Initiative (NPGI). Since the inception of the NPGI and the PGRP, there has been a tremendous increase in the availability of functional genomics tools and sequence resources for use in the study of key crop plants and their models. Proposals are welcomed that build on these resources to develop conceptually new and different ideas and strategies to address grand challenge questions in plants of economic importance on a genome-wide scale. There is also a continued need for the development of

novel and creative tools to facilitate new experimental approaches or new ways of analyzing genomic data. Especially encouraged are proposals that provide strong and novel training opportunities integral to the research plan and particularly across disciplines that include, but are not limited to, plant physiology, quantitative genetics, biochemistry, bioinformatics and engineering. Three kinds of activity will be supported in FY 2012: (1) Genomics-empowered plant research to tackle fundamental questions in plant and agricultural sciences on a genomewide scale; (2) Development of tools and resources for plant genome research including novel technologies and analysis tools that will enable discovery; and (3) Mid-Career Investigator Awards in Plant Genome Research (MCA-PGR) to increase participation of investigators trained primarily in fields other than plant genomics. Proposals addressing these opportunities are welcomed at all scales, from single-investigator projects through multi-investigator, multi-institution projects, commensurate with the scope of the work proposed.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5338&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - USDA, NIFA - Organic Agriculture Research and Extension Initiative (OAREI)

Document Type: Grants Notice

Funding Opportunity Number: USDA-NIFA-ICGP-003649

Opportunity Category:

Posted Date:

Current Closing Date:

Archive Date:

Award Ceiling:

Discretionary

Mar 09, 2012

Apr 08, 2012

\$19,000,000

Award Floor: \$0

CFDA Number(s): 10.307 -- Organic Agriculture Research and

Extension Initiative

Cost Sharing or Matching Requirement: Yes

The OREI seeks to solve critical organic agriculture issues, priorities, or problems through the integration of research and extension activities. The purpose of this program is to fund projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products. Priority concerns include biological, physical, and social sciences, including economics. The OREI is particularly interested in projects that emphasize research and outreach that assist farmers and ranchers with whole farm planning. Projects should plan to deliver applied production information to producers. Fieldwork must be done on certified organic land or on land in transition to organic certification, as appropriate to project goals and objectives.

http://www.nifa.usda.gov/funding/rfas/OREI.html

\$ - NSF - Transforming STEM Learning (TSL) (NSF 10-602)

Deadline: March 9, 2012

TSL combines interests and resources of separate programs in the Division of Research on Learning in Formal and Informal Settings (DRL) to explore the opportunities and challenges implied by innovative visions of the future for STEM learning. The TSL program invites interdisciplinary teams of STEM content specialists, experts in relevant technologies, STEM formal and informal education specialists, researchers with expertise in the learning sciences, and specialists in education research and evaluation methods to submit proposals for research projects that (1) Study efficacy of existing prototypes for innovations like virtual schools, special STEM schools, and educational programs that combine opportunities of formal and informal learning resources in their communities; or (2) Design and conduct exploratory development of new potentially transformative models for STEM learning environments. The cross-cutting proposals will draw from work in the four primary DRL programs: Discovery Research K-12 (DR K-12), Informal Science Education (ISE), Research and Evaluation on Education in Science and Engineering (REESE), and Innovative Technology Experiences for Students and Teachers (ITEST). However, proposals submitted in response to this solicitation must have a scope that extends well beyond any of those programs individually.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503571&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - EPA Region 9 - Wetland Program Development Grants - EPA-REG9-WP-12

Deadline: March 15, 2012

Wetland Program Development Grants (WPDGs) provide eligible applicants an opportunity to conduct and promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys, and studies relating to the causes, effects, extent, prevention, reduction, and elimination of water pollution. Implementation of wetland protection programs is not an eligible effort under this announcement. The U.S. Environmental Protection Agency (EPA) is soliciting proposals from eligible applicants to build or refine State/Tribal/local government wetland programs as described in Section I, Funding Opportunity Description, of this announcement. The total amount of federal funding available under this announcement is approximately \$1,650,250. It is anticipated that approximately 6 to 15 awards will be made under this announcement. Awards will likely range from \$50,000 to \$350,000 in federal funds.

http://www.epa.gov/region9/funding/wetlands.html

\$ - NSF - Innovation Corps Program (I-Corps) (NSF 11-560)

Deadline: March 15, & September 15 (Annually Thereafter)

The National Science Foundation (NSF) seeks to develop and nurture a national innovation ecosystem that builds upon fundamental research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society. In order to jumpstart a national innovation ecosystem, NSF is establishing the NSF Innovation Corps (NSF I-Corps). The NSF I-Corps' purpose is to identify NSF-funded researchers who will receive additional support - in the form of mentoring and funding - to accelerate innovation that can attract subsequent third-party funding. The purpose of the NSF I-Corps grant is to give the project team access to resources to help determine the readiness to transition technology developed by previously-funded or currently-funded NSF projects. The outcome of the I-Corps projects will be threefold: 1) a clear go/no go decision regarding viability of products and services, 2) should the decision be to move the effort forward, a transition plan to do so, and 3) a technology demonstration for potential partners. PI(s) must contact one of the cognizant I-Corps program officers and receive prior written authorization to submit a proposal. PI(s) are strongly encouraged to discuss the commercial readiness of their effort with a Topic-specific program officer prior to contacting a cognizant I-Corps program officer. This will facilitate determining whether the proposed work is appropriate for I-Corps funding.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504672&WT.mc_id=USNSF_39& WT.mc ev=click

\$ - USDA, NIFA - Interregional Research Project #4 Minor Crop Pest Management Program (IR-4)

Document Type: Modification to Previous Grants Notice

Funding Opportunity Number: USDA-NIFA-SRGP-003674

Opportunity Category: Discretionary Feb 08, 2012 Posted Date: Mar 20, 2012 **Current Closing Date:** Archive Date: Apr 19, 2012 **Estimated Total Program Funding:** \$11,000,000 Award Ceiling: \$4,800,000

Award Floor: \$1,000,000

10.200 -- Grants for Agricultural Research, CFDA Number(s):

Special Research Grants

Cost Sharing or Matching Requirement: No

The primary goal of the IR-4 program is to provide safe, effective and economical pest management solutions for growers of minor/specialty crops. IR-4 facilitates crop protection by providing expert assistance with product development and registration. IR-4 positively impacts the ability of research and extension personnel, producers, grower organizations, and others to provide a continuous supply of affordable minor/specialty crops to the public. IR-4 is the only

publicly supported research program in the United States that provides this service. Successful applicants will demonstrate the capacity and commitment required to accelerate the registration of newer, reduced risk pest management tools; expedite access to these pest management tools for minor/specialty crop growers, and conduct efficacy research to identify new and more effective minor/specialty crop pest management solutions.

http://www.nifa.usda.gov/funding/rfas/minor_crop.html

\$ - USDA, Rural Development - Rural Energy for America Program (REAP)

Deadline: March 30, 2012

REAP provides for loan guarantees and/or grants to farmers, ranchers and rural small businesses to purchase renewable energy systems and to make energy efficiency improvements. Funding for at least \$12.5 million in grant program level and up to approximately \$48.5 million in guaranteed loan program level. Funds are available to help agricultural producers and rural small businesses to: develop renewable energy systems, make energy efficiency improvements, or conduct studies to determine the feasibility of renewable energy systems. For information on how to apply, contact:

Oahu, Kauai and American Samoa:

Shirley Heatherly, shirley.heatherly@hi.usda.gov or (808) 483-8600, ext. 118;

West Hawaii:

Denise Oda, denise.oda@hi.usda.gov or (808) 933-8323;

Maui County, East Hawaii:

Lori Nekoba, lori.nekoba@hi.usda.gov or (808) 933-8312;

Guam, CNMI, Palau, Majuro:

Tony Barcinas, anthony.barcinas@pb.usda.gov 671-300-8567

Yap, Chuuk, Pohnpei, Kosrae:

Gary Bloom, gary.bloom@pb.usda.gov or (691) 320- 2581 (Ext. 103)

URL: http://www.gpo.gov/fdsys/pkg/FR-2012-01-20/pdf/2012-755.pdf

\$ - University of California, Davis, Center for Produce Safety (CPS) – Food Safety

Deadline: March 30, 2012

The Center for Produce Safety at the University of California, Davis, today announced its 2012 request for food safety research proposals. The center and its public and industry research partners are making \$3 million available to fund general and commodity-specific research to address the fresh produce industry's food safety research needs. CPS and its partners sponsor research projects designed to fill basic knowledge gaps in specific areas of food safety practices for fruit, vegetable and tree nut production, harvest and post-harvest handling. The objective is to provide the produce industry with practical, translatable information that can be used at all levels of the supply chain. The 2012 RFP seeks to fund both produce-general food safety questions and commodity-specific questions. Core (produce-general) research priorities

endeavor to better understand risk potential and to develop more effective food safety management tools in the following areas:

- Compost, Soil Amendment Fertilizer Use and Cultivation Practices
- Buffer Zones from Domestic Animals to Fruit and Vegetable Production
- Co-management of Food Safety and the Environment
- Agricultural Water
- Climate, Environment, Production Practices
- Harvest and Cooling Practices.
- Pathogen Transfer from Water during Postharvest Handling and Processing
- Pathogen Survival in the Postharvest Distribution Chain

Research awards may not exceed \$200,000 in total costs per year. Research project term may not exceed two years. CPS will consider proposals where the primary objective is to generate preliminary data or provide proof of concept for novel ideas. These proposals should address a question in the Research Priorities. Proof of concept awards may not exceed \$50,000 in total costs, and may not exceed one year in length. URLs: https://ucanr.org/cpsgrants/index.cfm & https://ucanr.org/cpsgrants/index.cfm & https://cps.ucdavis.edu/article/70/CPS Calls for 2012 Research Proposals.html

\$ - USDA & NSF - Decadal and Regional Climate Prediction using Earth System Models (EaSM)

This solicitation will capitalize on the synergy between development of climate models, their use in both the assessment and attribution of climate variability and impacts, and the development of approaches to effectively inform adaptation policy. The overall goal of the EaSM solicitation is to improve upon and expand on current modeling capabilities in order to substantively contribute to the advancement of reliable regional and decadal climate predictions. The submission of the application is through the National Science Foundation (NSF).

Solicitation Date (Opening)	December 21, 2011
Letter of Intent Due Date	None
Due Date (Closing)	April 20, 2012
Estimated Total Program Funding	\$5,000,000.00
Range of Awards	Unavailable
Cost Sharing Requirements	None
For More Information Contact	Nancy Cavallaro
Funding Opportunity Number	NSF 12-522
CFDA Number	10.310

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503399

\$ - NSF - <u>Division of Molecular and Cellular Biosciences</u>: <u>Investigator-initiated research projects (MCB)</u> (NSF 11-545)

Deadline: September 6, 2011 & May 21, 2012

The Division of Molecular and Cellular Biosciences (MCB) supports fundamental research and related activities designed to promote understanding of complex living systems at the molecular, subcellular, and cellular levels. The Division is soliciting proposals for hypothesis-driven and discovery research and related activities in four core clusters:

- Biomolecular dynamics, structure, and function
- Cellular processes
- Genetic mechanisms
- Networks and regulation

The Division supports research using a range of experimental approaches--including *in vivo*, *in vitro* and *in silico* strategies--and a broad spectrum of model and non-model organisms, especially microbes and plants. Typical research in areas supported by MCB integrates theory and experimentation. The Division gives high priority to research projects that use theory, methods, and technologies from physical sciences, mathematics, computational sciences, and engineering to address basic biological questions. **The Division is also interested in projects aimed at understanding and predicting the molecular and cellular underpinnings of phenotypic variation and adaptation to environmental change. Highest funding priority is given to applications that are outstanding in both intellectual merit and broader impacts. The Division supports both hypothesis-driven research and discovery-based, large-scale biology research.**

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503626&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - Industry/University Cooperative Research Centers Program (I/UCRC) (12-516)

Letter of Intent Deadlines Date: January 2, 2012 & June 29, 2012 (required) Full Proposal Deadlines Date: March 6, 2012 & September 28, 2012

The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF) and are primarily supported by industry center members, with NSF taking a supporting role in the development and evolution of the center. Each center is established to conduct research that is of interest to both the industry members and the center faculty. An I/UCRC contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an I/UCRC uses international collaborations to advance these goals within the global context.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5501&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - Collections in Support of Biological Research (CSBR) (NSF 11-558)

Deadline: October 16, 2011, **July 27, 2012**

The Collections in Support of Biological Research (CSBR) Program provides funds for improvements to secure, improve, and organize collections that are significant to the NSF/BIO-funded research community. Support is also provided to secure collections-related data for sustained, accurate, and efficient accessibility of the collection to the biological research community. Supplemental funding is also available to transfer collection ownership responsibilities or consolidate or combine existing collections. The CSBR program provides for enhancements that secure and improve existing collections, result in accessible digitized specimen-related data, and develop better methods for specimen curation and collection management. Requests should demonstrate a clear and urgent need to secure the collection, and the proposed activities should address that need. Biological collections supported include established living stocks/culture collections, vouchered non-living natural history collections, and jointly-curated ancillary collections such as preserved tissues and DNA libraries. More at:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503651&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - USDA, NIFA – Western SARE - Sustainable Agriculture Tour Grants

Deadline: applications accepted year round

Sustainable Agricultural Tour Grants are funded for only one year. Any agriculture/natural resource professional in the Western region may apply. These professionals are cooperative extension educators/agents and specialists, USDA-NRCS field staff, agricultural consultants, nonprofit staff members or other agricultural professionals assisting producers at the local level. The grant applicant's institution and or organization are fiscally responsible for the project. These grants are offered as a cost reimbursable contract. Applicants are required to have at least one past or current Western SARE-funded project as part of the tour. Preference will be given for the more Western SARE-funded projects visited. The maximum amount per grant application is \$2,000. These grants are to provide opportunities for producers to:

- Interact and network with producers, and
- Assist producers in adoption of sustainable agricultural production.

URL: https://wsare.usu.edu/grants/RFA/TRG 2010.pdf