New Funding Opportunities
September 12, 2013

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:
http://apply07.grants.gov/apply/opportunities/instructions/oppUSDA-NIFA-CGP-002644-cfda10.217-instructions.pdf%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 - Small Business Innovation Research (SBIR) grants:

Funds may be awarded up to $100,000 for Phase I and up to $450,000 for Phase II. Success rates for applicants have been about 14% for Phase I and 50-60% for Phase II. Projects dealing with agriculturally related manufacturing and alternative and renewable energy technologies are encouraged across all 2013 SBIR topic areas. USDA SBIR's flexible research areas ensure innovative projects consistent with USDA's vision of a healthy and productive nation in harmony with the land, air, and water. USDA SBIR has awarded over 2000 research and development projects since 1983, allowing hundreds of small businesses to explore their technological potential, and providing an incentive to profit from the commercialization of innovative ideas. Click below for more SBIR information. Small businesses and small proprietorships that are in business for profit are eligible to submit applications to this program. Each organization submitting a proposal must qualify as a small business concern for research or research and development purposes. To be eligible for Phase II, applicants must be Phase I winners as described in the RFA. The USDA SBIR program includes the following 10 topics.

Solicitation Date (Opening)	June 19, 2013
Letter of Intent Due Date	None
Due Date (Closing) ***Phase I***	**September 26, 2013**
Estimated Total Program Funding	$18,300,000.00
Range of Awards	$70,000.00 to $100,000.00
Percent of Applications Funded Last Fiscal Year	14%
Cost Sharing Requirements	None
Funding Opportunity Number	USDA-NIFA-SBIR-004332

URL: http://nifa.usda.gov/funding/rfas/sbir_rfa.html

Biofuels and Biobased Products

http://www.nifa.usda.gov/fo/biofuelsandbiobasedproductssbir.cfm

The objective of this topic area is to promote the use of biofuels and non-food biobased products by developing new or improved technologies that will lead to increased production of industrial products from agricultural materials. This research will lead to new opportunities to diversify agriculture and enhance agricultures role as a reliable supplier of raw materials to industry. This topic area supports the NIFA Sustainable Bioenergy Societal Challenge Area and the Climate Change Societal Challenge Area.

Food Science and Nutrition

http://www.nifa.usda.gov/fo/foodscienceandnutritionsbir.cfm

The Food Science and Nutrition topic area aims to fund projects that support research focusing on developing new and improved processes, technologies, or services that address emerging food safety, food processing and nutrition issues.. The program will fund projects: 1) Increase the understanding of the physical, chemical, and biological characteristics of food; 2) Improve methods for the processing and packaging of food products to improve the quality and nutritional value of foods; and 3) Develop programs or products that increase the consumption

of healthy foods and reduce childhood obesity. The outcome of a successful project is a proof of concept for a marketable item or patented process.

Forests and Related Resources

http://www.nifa.usda.gov/fo/forestsandrelatedresourcessbir.cfm

The Forests and Related Resources topic area aims to address the health, diversity and productivity of the Nations forests and grasslands to meet the needs of present and future generations through the development of environmentally sound approaches to increase productivity of forest lands, improve sustainability of forest resources, and develop value-added materials derived from woody resources. New technologies are needed to enhance the protection of the Nations forested lands and forest resources and help to ensure the continued existence of healthy and productive forest ecosystems. Proposals focused on sustainable bioenergy and development of value-added biofuels from woody biomass, and on the influence of climate change on forest health and productivity are strongly encouraged. Proposals that utilize nanotechnology in their approach to developing new wood-based products or that utilize wood-based nano-materials are also encouraged.

Plant Production and Protection – Biology

http://www.nifa.usda.gov/fo/plantproductionandprotectionbiologysbir.cfm

The objective of this topic area is to examine means of enhancing crop production by applying biological approaches to reduce the impact of harmful agents, develop new methods for plant improvement, and apply traditional plant breeding methods and new technologies to develop new food and non-food crop plants, as well as new genotypes of existing crop plants with characteristics that allow their use in new commercial applications. This topic area supports the following NIFA Societal Challenge Areas: Global Food Security and Hunger; Climate Change; Sustainable bioenergy; and Food Safety.

Plant Production and Protection – Engineering

http://www.nifa.usda.gov/fo/plantproductionandprotectionengineeringsbir.cfm

The objective of this topic area is to examine means of enhance crop production by reducing the impact of harmful agents and developing effective crop production systems that are economically and environmentally sound. Projects that promote energy conservation or efficiency are strongly encouraged.

Rural Development

http://www.nifa.usda.gov/fo/ruralandcommunitydevelopmentsbir.cfm

Funded research focuses on the development of new technologies, and on the innovative application of new or existing technologies, to address important problems and opportunities affecting people and institutions in rural America. Overall the rural development topic area is less centered on agriculture and more on areas of increasing importance to rural communities, such as environmental enhancement, disaster resilience, service delivery, and entrepreneurial and workforce skills. This topic area continues to require all applicants to explicitly discuss the specific rural problem or opportunity that they will examine and how this project will successfully address it. Click the More SBIR information link for additional information including eligibility requirements.

Small and Mid-Size Farms

http://www.nifa.usda.gov/fo/smallandmidsizefarmssbir.cfm

This is one of 10 topic areas in the USDA SBIR program. The Small and Mid-Size Farms topic area aims to promote and improve the sustainability and profitability of small and mid-size farms and ranches (where annual sales of agricultural products are less than $250,000 for small farms and $500,000 for mid-size farms - hereafter referred to as small farms). The vast majority of farms in this country are small and they play an important role in the agricultural sector. While some small farms are located in urban areas, most small farms are located in rural areas, and these farms are critical to sustaining and strengthening the leadership and social fabric of rural communities. Applicants are strongly encouraged to emphasize how their project would contribute to the well-being of rural communities and institutions. In particular, applicants should emphasize how the results of their project would be disseminated to other small farmers and provide benefit to the small farm community.

Air, Water and Soils

http://www.nifa.usda.gov/fo/airwaterandsoilssbir.cfm

The Air, Water and Soils topic area aims to develop technologies for conserving and protecting air, water and soil resources while sustaining optimal farm and forest productivity. Climate variability and food security are major focal points of this topic area. Efforts are needed to reduce the production of greenhouse gases that result from agricultural activities and to increase carbon sequestration in soils. Climate change is likely to alter temperature and precipitation patterns and new technologies are needed that will better enable plant and animal production systems to adapt to changing climatic conditions. As population continues to increase food security will be critical as efforts for food production to keep pace will increasingly become a challenge. Soil and water are critical resources that impact food production. New technologies are needed that will improve water quality and conservation and use water more efficiently.

Animal Production and Protection

http://www.nifa.usda.gov/fo/animalproductionandprotectionsbir.cfm

The Animal Production and Protection topic area aims to develop innovative, marketable technologies that will provide significant benefit to the production and protection of agricultural animals. New technologies for rapid detection, treatment and prevention of disease are needed to improve productivity and enhance the biosecurity of our herds and flocks. Better technologies are also needed to trace animals as they move through the food supply chain and to ensure that food products derived from animals do not contribute to food-borne illnesses. To meet increasing consumer demand for value-added animal products, innovative technologies are needed to address the challenges presented by non-conventional management systems and strategies.

Aquaculture

http://www.nifa.usda.gov/fo/aquaculturesbir.cfm

The Aquaculture topic area aims to develop new technologies that will enhance the knowledge and technology base necessary for the continued growth of the domestic aquaculture industry as a form of production agriculture. Seafood production from the wild is under increased pressure due to overfishing and pollution and therefore aquaculture is increasingly becoming an important source of seafood and an important contributor to improve food security. In this

context new technologies are needed to protect aquaculture species against disease and to improve production efficiency. Emphasis is placed on research leading to improved production efficiency and increased competitiveness of private sector aquaculture in the United States. Studies on commercially important, or potentially important, species of fish, shellfish and plants from both freshwater and marine environments are included.

$ - Tree Research and Education Endowment Fund Accepting Applications for Research Grant Programs

Deadline: October 1, 2013

The mission of the Tree Research and Education Endowment Fund is to support sustainable communities and environmental stewardship by funding research, scholarships, and education programs essential to the discovery and dissemination of new knowledge in the fields of arboriculture and urban forestry. Applications are currently being accepted for two of the fund's research grant programs:

1) John Z. Duling Grants of up to $10,000 provide seed funding or partial support for innovative research and technology transfer projects that have the potential to benefit the everyday work of arborists. Priority funding areas include root and soil management, planting and establishment, plant health care, risk assessment and worker safety, and urban forestry. Projects are expected to be completed within one to three years. Funds cannot be used to pay for overhead expenses or student tuition and fees. It is anticipated that grantees will use their grant to leverage additional dollars.

2) Jack Kimmel International Grants of up to $10,000 provide research project support to arboriculture and urban forestry researchers all over the world. The Kimmel grant program is administered by the TREE Fund, with evaluation input from the Canadian TREE Fund. Priority funding areas include root and soil management, planting and establishment, plant health care, risk assessment and worker safety, and urban forestry. Projects are expected to be completed within a one- to three-year period. Grant award amounts will vary depending on the adjudged value of the project relative to the needs of the arboriculture community. Funds cannot be used to pay for overhead expenses or student tuition and fees. Due to the similarity of the two programs, the fund requests that applicants submit to only one of the programs per unique project and funding cycle. Related but unique projects submitted across programs may be considered within a given funding cycle.
http://www.treefund.org/grants/research-grants

$ - NSF - ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE) (NSF 12-584)

Letter of Intent Deadline Date: October 4, 2013

For many decades, an increasing number of women have obtained STEM doctoral degrees, however, women, particularly women of color, continue to be significantly underrepresented in almost all STEM academic positions. While the degree of underrepresentation varies among STEM disciplines, women's advancement to senior professorial ranks and leadership roles is an issue in all fields. The underrepresentation of women is also a critical issue for the nation, at large, as its need to develop a globally competitive and diverse workforce increases. Thus, the goal of the ADVANCE program is to develop systemic approaches to increase the representation and advancement of women in academic STEM careers, thereby contributing to the development of a more diverse science and engineering workforce. ADVANCE also has as its goal to seminally contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines. To this end, ADVANCE will support the following types of projects: Institutional Transformation (IT) and Institutional Transformation Catalyst (IT-Catalyst).
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383&WT.mc_id=USNSF_39&WT.mc_ev=click

$ - NSF, NIH - Smart and Connected Health (SCH) (NSF 13-543)

Deadline Date: October 10, 2013

The goal of the Smart and Connected Health (SCH) Program is to accelerate the development and use of innovative approaches that would support the much needed transformation of healthcare from reactive and hospital-centered to preventive, proactive, evidence-based, person-centered and focused on well-being rather than disease. Approaches that partner technology-based solutions with biobehavioral health research are supported by multiple agencies of the federal government including the National Science Foundation (NSF) and the National Institutes of Health (NIH). The purpose of this program is to develop next generation health care solutions and encourage existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as sensor technology, networking, information and machine learning technology, decision support systems, modeling of behavioral and cognitive processes, as well as system and process modeling. Effective solutions must satisfy a multitude of constraints arising from clinical/medical needs, social interactions, cognitive limitations, barriers to behavioral change, heterogeneity of data, semantic mismatch and limitations of current cyberphysical systems. Such solutions demand multidisciplinary teams ready to address technical, behavioral and clinical issues ranging from fundamental science to clinical practice.
Two classes of proposals will be considered in response to this solicitation

- Exploratory Projects (EXP): One or more investigators spanning 1 to 3 years.
- Integrative Projects (INT): Multi-disciplinary teams spanning 1 to 4 years.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504739&WT.mc_id=USNSF_39&WT.mc_ev=click

$ - USDA, WSARE - Professional Development Program Grants (PDP)

Deadline: October 30, 2013

These grants focus on training agricultural professionals to help them spread knowledge about sustainable agriculture concepts and practices. PDP Grants are limited to $75,000. Grants can run for up to three years, with the final year to be focused on project evaluation. PDP projects should:

- Increase ag professionals' sustainable agriculture knowledge, skills and action.
- Have outreach plans that demonstrate how the project will effectively deliver this knowledge.

Approaches can include: workshops, conferences, • development of materials, demonstrations, web-based courses, and tours. Multi-faceted proposals are encouraged. Projects using multiple techniques or methods are preferred, as are efforts whose results can be applied to wide and diverse audiences.
https://wsaregrants.usu.edu/grants/docs/CFP_PDP.pdf

$ - USDA, Rural Development - Rural Community Development Initiative (RCDI)

Deadline: November 12, 2013

USDA is making $5.6 million available through the Rural Community Development Initiative (RCDI), a program that generates economic activity in rural areas. Qualified intermediary organizations receiving the grants will provide financial and technical assistance to recipients to develop their capacity to undertake housing, community facilities, or community and economic development projects**. Recipients will be non-profit organizations, low income rural communities, or federally recognized tribes.** Intermediary organizations must provide matching funds at least equal to the RCDI grant. In-kind contributions such as salaries, donated time and effort, real and nonexpendable personal property and goods and services cannot be used as matching funds. Funds are not directly provided to business recipients by USDA under the program. The respective minimum and maximum grant amount per intermediary is $50,000 and $300,000. Applications must be submitted to the USDA Rural Development state office where the applicant's headquarters are located. A list of these offices is available on the USDA Rural Development website. For more information, see the August 14, 2013 *Federal Register* at www.gpo.gov/fdsys/pkg/FR-2013-08-14/pdf/2013-19773.pdf

$ - NIH, CDC - Small Business Innovation Research (SBIR) Program Contract Solicitation (PHS 2014-1) (NOT-OD-13-108)

Deadline Date: November 13, 2013

Innovative technologies and methodologies fuel progress in biomedical and behavioral research and represent an increasingly important area of the economy. The SBIR program provides support for research and development (R&D) of new or improved technologies and methodologies that have the potential to succeed as commercial products. This funding opportunity is for small businesses to develop user-friendly tools facilitating the construction

of environmental metrics related to the determinants: health behaviors and health care. Such metrics are gaining wider use in the research literature, notably in the development of indices of the food and physical activity environments and in quantifying access to cancer-related health resources.
The offeror organization must be a small business concern as defined by the Small Business Administration and described in the Contract Solicitation. The primary employment of the principal investigator MUST be with the small business concern at the time of award and during the conduct of the proposed project. In accord with the intent of the SBIR program to increase private sector commercialization of innovations derived from Federal R&D, scientists at research institutions can play an important role in an SBIR project by serving as consultants and/or subcontractors to the small business concern. Generally, up to 1/3 of the Phase I budget may be spent on consultant and/or subcontractual costs, and, generally, up to 1/2 of the Phase II budget may be spent on such costs. In this manner, a small business concern with limited expertise and/or research facilities may benefit from teaming with a scientist(s) at a research institution; for the scientist(s) at a research institution, this team effort provides support for R&D not otherwise obtained.
http://grants.nih.gov/grants/guide/notice-files/NOT-OD-13-108.html

$ - Robert Wood Johnson Foundation (RWJF) - Health Policy Fellows

Deadline: November 13, 2013

The *Robert Wood Johnson Foundation Health Policy Fellows* program provides the nation's most comprehensive fellowship experience at the nexus of health science, policy and politics in Washington, D.C. It is an outstanding opportunity for exceptional midcareer health professionals and behavioral and social scientists with an interest in health and health care policy promoting the health of the nation. Fellows participate in the policy process at the federal level and use that leadership experience to improve health, health care and health policy. Up to six awards of up to $165,000 each will be made in 2014. Fellowship funds of up to $104,000 may be used for the residential stay (not to exceed the fellow's salary prior to entering the program) from September 1, 2014 through August 31, 2015. The continuation of fringe benefits at levels corresponding to the level of stipend support being requested may be covered with the award, and sponsoring institutions may supplement fellowship funds.

http://www.rwjf.org/cfp/hpf5?cid=XEM_A7545

$ - USDA, NIFA - Ecology and Evolution of Infectious Diseases

The program's focus is on both the discovery, as well as on building and testing models that elucidate these principles and processes. Research proposals should focus on understanding the determinants of transmission of diseases to humans, non-human animals, or plants; the spread of pathogens by environmental factors, vectors or abiotic agents; the population dynamics and genetics of reservoir species or alternate hosts; or the cultural, social, behavioral, and economic dimensions of disease transmission.

Solicitation Date (Opening)	July 12, 2013
Letter of Intent Due Date	None
Due Date (Closing)	**November 20, 2013**
Estimated Total Program Funding	$11,000,000.00
Range of Awards	$1,000,000.00 to $2,500,000.00
Cost Sharing Requirements	None
For More Information Contact	Peter Johnson
CFDA Number	10.310

http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=5269&ods_key=nsf13577

$ - USDA, WSARE - Farmer/Rancher Grants

Deadline: December 4, 2013

These one- to three-year grants are conducted by agricultural producers with support and guidance from a technical advisor. Individual farmers or ranchers may apply for up to $15,000, and a group of three or more producers may apply for up to $25,000. Producers typically use their grants to conduct on-site experiments that can improve their operations and the environment and can be shared with other producers. Grant recipients may also focus on marketing and organic production. Research and Education projects primary focus should be to:

- Conduct on the ground research and education within the scope of the project. Not research or education; both must be conspicuous components of the proposal.
- Design on-farm/ranch experiments that will lead to a more sustainable agriculture
- Be creative and distinctive in addressing the changes that could come from the adoption of the results of this project by other producers.
- Detail creative educational outreach plans that deliver this new knowledge to other producers and professionals in the western region.

https://wsaregrants.usu.edu/grants/docs/CFP_PG.pdf

$ - USDA, WSARE Professional + Producer Grants

Deadline: December 4, 2013

These one- to three-year grants are similar in concept to the Farmer/Rancher Grants with a few key differences. Instead of a producer serving as the project coordinator, an agricultural professional – Cooperative Extension educator or Natural Resources Conservation Service professional, for example – coordinates the project. A farmer or rancher serves as the project advisor. Applicants can seek up to $50,000 and must have at least five producers involved. Research and Education projects primary focus should be to:

- Conduct on the ground research and education within the scope of the project. Not research or education; both must be conspicuous components of the proposal.
- Design on-farm/ranch experiments that will lead to a more sustainable agriculture
- Be creative and distinctive in addressing the changes that could come from the adoption of the results of this project by other producers.
- Detail creative educational outreach plans that deliver this new knowledge to other producers and professionals in the western region

https://wsaregrants.usu.edu/grants/docs/CFP_PPG.pdf

$ - NSF - SBE Doctoral Dissertation Research Improvement Grants (SBE DDRIG)

Full Proposal Deadline Date: April 5, 2013 through Feb l8, 2014 (depending on divison)

The National Science Foundation's Division of Behavioral and Cognitive Sciences (BCS), Division of Social and Economic Sciences (SES), National Center for Science and Engineering Statistics (NCSES), and the SBE Office of Multidisciplinary Activities (SMA) award grants to doctoral students to improve the quality of dissertation research. These grants provide funds for items not normally available through the student's university. Additionally, these grants allow doctoral students to undertake significant data-gathering projects and to conduct field research in settings away from their campus that would not otherwise be possible. Proposals are judged on the basis of their scientific merit, including the theoretical importance of the research question and the appropriateness of the proposed data and methodology to be used in addressing the question.

http://www.nsf.gov/pubs/2011/nsf11547/nsf11547.htm

$ - National Research Council (NRC) of the National Academies - Research Associateship Programs (RAP)

Deadlines: Feb 1, **May 1, August 1, November 1, 2013**

The mission of the NRC Research Associateship Programs (RAP) is to promote excellence in scientific and technological research conducted by the U. S. government through the administration of programs offering graduate, postdoctoral, and senior level research opportunities at participating federal laboratories and affiliated institutions. In these programs, prospective applicants select a research project or projects from among the large group of opportunities listed on this website. Prior to completing an application, prospective applicants should contact the proposed Research Adviser to assure that funding will be available if their application is recommended by NRC panels. Once mutual interest is established between a prospective applicant and a Research Adviser, an application is submitted through the NRC WebRap system. Reviews are conducted four times each year and review results are available approximately 6-8 weeks following the application deadline. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience. Graduate entry level stipends begin at $30,000. Detailed program information, including online applications, instructions on how to apply and a list of participating laboratories, is available on the NRC Research Associateship Programs website (http://sites.nationalacademies.org/pga/rap/).
Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu.

$ - USDA, Western Integrated Pest Management (WIPM) Center Request for Applications - Ongoing Special Issues Program or Curriculum Development or Provision (Opp ID: 100944)

Deadline: Continuous - funds are available until exhausted.

The Western Integrated Pest Management (Western IPM) Center announces the availability of funds and requests proposals to address special issues in the West. Special issues may be requested to bring together a group of people to address emerging issues such as a new pest, water issues, development of proposals for larger grants based on documented stakeholder needs, development of pest alerts. The Western IPM Center will give priority to requests that are multi-state in scope. Projects must be single-issue oriented. The Western IPM Center will give priority to requests that are multi-state in scope. Projects must be completed within one year of funding and be single-issue oriented. The maximum amount of a request can be $5,000.
http://www.wrpmc.ucdavis.edu/Research/specialissuesongoing.html

$ - NSF - Tribal Colleges and Universities Program (TCUP) (NSF 12-568)

Deadline: Full Proposal Accepted Anytime for Planning Grant Proposals, Broadening Participation Research in STEM Education Proposals, and Catalyzing Opportunities for Research and Education Proposals

The Tribal Colleges and Universities Program (TCUP) provides awards to Tribal Colleges and Universities, Alaska Native-serving institutions, and **Native Hawaiian-serving institutions** to promote high quality science, technology, engineering and mathematics (STEM) education, research, and outreach. TCUP-eligible institutions are predominantly two-year and community colleges. Support is available to TCUP-eligible institutions (see the Additional Eligibility subsection of Section IV of this solicitation) for Planning Grants**,** Instructional Capacity Excellence in TCUP Institutions (ICE-TI)**,** Broadening Participation Research in STEM Education (BPR) Projects**,** Targeted STEM Infusion Projects (TSIP), and Catalyzing Opportunities for Research and Education (CORE). Through these mechanisms, along with collaborations with other National Science Foundation (NSF) units and its work with other organizations, TCUP aims to increase Native individuals' participation in STEM careers and the quality of STEM programs at TCUP-eligible institutions. TCUP strongly encourages the inclusion of activities that will benefit veterans. More information at:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5483&WT.mc_id=USNSF_39&WT.mc_ev=click