

**New Funding Opportunities
September 15, 2011**

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)

\$ - NSF - Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP) (NSF 11-550)

Deadline: September 27, 2011

The Science, Technology, Engineering, and Mathematics Talent Expansion Program (STEP) seeks to increase the number of students (U.S. citizens or permanent residents) receiving associate or baccalaureate degrees in established or emerging fields within science, technology, engineering, and mathematics (STEM). Type 1 proposals are solicited that provide for full implementation efforts at academic institutions. Type 2 proposals are solicited that support educational research projects on associate or baccalaureate degree attainment in STEM.

http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=5488&ods_key=nsf11550

\$ - RWJF - Health & Society Scholars Program

Deadline: September 30, 2011

The [Robert Wood Johnson Foundation](#) Health & Society Scholars program provides two years of support to postdoctoral scholars at all stages of their careers to help build the nation's capacity for research that addresses the multiple determinants of population health and contributes to policy change.

The program is based on the principle that progress in the field of population health depends on multidisciplinary collaboration and exchange. Its goal is to improve public health by training scholars to investigate the connections among biological, genetic, behavioral, environmental, economic, and social determinants of health; and to develop, evaluate, and disseminate knowledge, interventions, and policies that integrate and act on these determinants.

http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=348500043

\$ - HMSA - Reducing Health Disparities between Native Hawaiians and Other Racial/Ethnic Groups in Hawaii.

Deadlines: Jan 1, April 1, July 1, Oct 1

The HMSA Foundation is extending this RFP to provide funding in an attempt to reduce health disparities between Native Hawaiians and other racial/ethnic groups in Hawai'i through school-based projects, community-based projects, and health care setting approaches.

URL:

<http://www.hmsafoundation.org/res/doc/RFP%20for%20health%20disparities%20reduction.doc>

\$ - USDA, NSF, NASA, NIH - National Robotics Initiative (NRI): The Realization of Co-Robots Acting in Direct Support of Individuals and Groups

The goal of the National Robotics Initiative is to accelerate the development and use of robots in the United States that work beside, or cooperatively with, people. Innovative robotics research and applications emphasizing the realization of such co-robots acting in direct support of and in a symbiotic relationship with a human is supported by multiple agencies of the federal government including the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA), the National Institutes of Health (NIH), the U.S. Department of Agriculture (USDA) and others. The purpose of this program is the development of this next generation of robotics, to advance the capability and usability of such systems and artifacts, and to encourage existing and new communities to focus on innovative application areas. It will address the entire life cycle from fundamental research and development to industry manufacturing and deployment. Methods for the establishment and infusion of robotics in educational curricula and research to gain a better understanding of the long term social, behavioral and economic implications of co-robots across all areas of human activity are important parts of this initiative. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development, deployment and use. Two classes of proposals will be considered in response to this solicitation:

- Small projects: One or more investigators spanning 1 to 5 years.
- Large projects: Multi-disciplinary teams spanning 1 to 5 years.

Deadline: Small Proposal Letter of Intent (required) - October 01, 2011 (Annually Thereafter)

Deadline: Group Large Proposal Letter of Intent (required) - December 15, 2011 (Annually Thereafter)

Solicitation Date (Opening)	June 29, 2011
Due Date (LOI Required):	Oct 1 & Dec 15, 2011
Due Date (full proposals):	Nov 3, 2011 & Jan 18, 2012
Estimated Total Program Funding	\$3,000,000.00
Range of Awards	Unavailable
Cost Sharing Requirements	None
For More Information Contact	Daniel Schmoldt
Funding Opportunity Number	11-553
CFDA Number	10.310
Contact for Electronic Access Problems	webcomments@nifa.usda.gov

URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf11553

\$ - NSF - [Sensors and Sensing Systems \(SSS\)](#) (PD 10-1639)

Deadline: October 1, 2011 & Feb. 15, 2012

The SSS program supports research on methods to acquire and use sensor data on civil, mechanical, and manufacturing systems. The program supports fundamental research on advanced actuators, sensors, wireless sensor networks, new materials and concepts for sensing applications, power generation and energy supply for sensors and sensing systems. Also of interest is research on the strategic incorporation of sensors into both natural and engineered systems to achieve effective data acquisition and on processing and transmission of sensor data.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Infrastructure Management and Extreme Events \(IMEE\)](#) (PD 10-1638)

Deadline: October 1, 2011 & Feb. 15, 2012

The IMEE program focuses on the impact of large-scale hazards on civil infrastructure and society and on related issues of preparedness, response, mitigation, and recovery. The program supports research to integrate multiple issues from engineering, social, behavioral, political, and economic sciences. It supports fundamental research on the interdependence of civil infrastructure and society, development of sustainable infrastructures, and civil infrastructure vulnerability and risk reduction.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers \(ADVANCE\)](#) (NSF 10-593)

Letter of Intent Deadline: October 3, 2011 (Required)

Full Proposal Deadline: November 7, 2011

The goal of the ADVANCE program is to develop systemic approaches to increase the representation and advancement of women in academic science, technology, engineering and mathematics (STEM) careers, thereby contributing to the development of a more diverse science and engineering workforce. ADVANCE focuses on ensuring that women faculty with earned STEM degrees consider academia as a viable and attractive career option. This program does not support projects to increase or retain the number of women entering into or persisting in STEM doctoral degree programs. Thus, efforts to impact the STEM pipeline are not considered appropriate for the ADVANCE Program. In 2011-2012, this program will support the following types of ADVANCE Projects: Institutional Transformation (IT) and Institutional Transformation Catalyst (IT-Catalyst).

Creative strategies to realize the ADVANCE program goal are sought from women and men. Members of underrepresented minority groups and individuals with disabilities are especially

encouraged to apply. Proposals that address the participation and advancement of academic STEM women from underrepresented minority groups and women with disabilities are particularly encouraged. Further, given the increasing emphasis on international collaborations in many STEM disciplines, and the importance of international recognition to career advancement, proposal components that systemically enhance and provide access to international collaborations are encouraged. Proposals from community colleges, primarily undergraduate institutions, minority-serving institutions (e.g. Tribal Colleges and Universities, Historically Black Colleges and Universities, Hispanic-Serving Institutions, Native Hawaiian Serving Institutions and Tribal Colleges and Universities), women's colleges, and institutions primarily serving persons with disabilities are encouraged. For additional information see: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383&WT.mc_id=USNSF_39&WT.mc_ev=click

§ - NIH & CDC - Obesity Policy Research: Evaluation and Measures (R01) (PA-10-027)

Deadlines for R01: Feb. 5, June 5, **Oct. 5**

Deadlines for R21 & R03: Feb. 16, June 16, **Oct. 16**

This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications that propose to: (1) conduct evaluation research on obesity-related “natural experiments” (defined here as community and other population-level public policy interventions that may affect diet and physical activity behavior), and/or (2) develop and/or validate relevant community-level measures (instruments and methodologies to assess the food and physical activity environments at the community level). The overarching goal of this FOA is to inform public policy and research relevant to (1) diet and physical activity behavior, and (2) weight and health outcomes of Americans. This FOA will utilize the research project (R01) grant mechanism, and runs in parallel with two other FOAs of identical scientific scope, PA-10-028 and PA-10-029 that encourage applications under the NIH Exploratory/Developmental (R21) and NIH Small Research (R03) grant mechanisms.

R01 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-027.html>

R21 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-028.html>

R03 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-029.html>

§ - NIH & CDC- School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes (R01) (PA-10-052)
Disease Control and Prevention

Deadlines: Feb. 5, June 5, **Oct. 5**

Deadlines for R21 & R03: Feb. 16, June 16, **Oct. 16**

Grant applications are encouraged that propose to: (1) Foster multidisciplinary research that will evaluate how policies (federal, state and school district levels) can influence school

physical activity and nutrition environments, youths' obesogenic behaviors (e.g., nutrition and physical activity behaviors), and weight outcomes; (2) Understand how schools are implementing these policies and examine multi-level influences on adoption and implementation at various levels (e.g. federal, state, school district, and school); and (3) understand the synergistic or counteractive effect of school nutrition and physical activity policies on the home and community environment and body weight.

The funding opportunities described here are related, but separate to other recently announced program announcements: *Obesity Policy Research: Evaluation and Measures* (R01: PA-10-027; R21: PA-10-028; R03: PA-10-029). As a general guide, if the focus of a grant proposal is on evaluation research of obesity-related policies outside the school environment, and/or development/validation of community-level measures, the *Obesity Policy Research: Evaluation and Measures* funding opportunities may be the most appropriate. If a grant proposal focuses on children in the context of home/family, schools and/or macro policy environments, the *School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes* may be the most appropriate funding opportunity to which researchers should apply.

R01 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-052.html>

R21 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-053.html>

R03 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-054.html>

\$ - NIH - Home- and Family-Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R01) (PA-10-127)

Deadlines for R01: Feb. 5, June 5, Oct. 5

Deadlines for R21: Feb. 16, June 16, Oct. 16

This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications from institutions/organizations that propose randomized clinical trials testing novel home- or family-based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (up to age 6) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children younger than 6 years of age, with potential for future translation to applications either in the home or linked to a community setting. Research should consider the familial mechanisms of behavior such as the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices and sedentary behaviors. In addition, it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health-care providers or

teachers) but must include infants or children younger than age 6 years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor. This FOA will utilize the research project (R01) grant mechanism and runs in parallel with a FOA of identical scientific scope, PA-10-128, that encourages applications under the R21 mechanism.

R01 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html>

R29 FOA: <http://grants1.nih.gov/grants/guide/pa-files/PA-10-128.html>

\$- NIH -Geographic and Contextual Influences on Energy Balance-Related Health Behaviors (R01) (PA-08-192)

Deadlines for R01: Feb. 5, June 5, Oct. 5

Deadlines for R21: Feb. 16, June 16, Oct. 16

This funding opportunity announcement (FOA) encourages the submission of grant applications that propose hypothesis-driven projects exploring associations between the built environment, other contextual features of where people of all ages live and work and health behaviors related to energy balance. These projects should use population level data from health surveys and other large health studies. It is expected that the proposed projects will be designed to add/include contextual variables at diverse levels of geographic aggregation to such studies on behaviors that affect individual energy balance and thereby health. Subsequent analyses should be aimed at understanding the relative importance of the contextual variables (including home, work, school, and/or other environments) as determinants of energy balance-related health behaviors. Grant applications will be expected to use population level data from diverse sources for: 1) generation and addition of new geographic information system (GIS) data layers for analysis of contextual variables such as measures of the built and natural environments, to existing studies; 2) analyses of existing confidential geographic-based data either on site, at survey data centers, or other protected sites; and/or 3) merging multiple health-related data resources to allow new analyses of associations between contextual variables and energy balance-related health behaviors. This FOA will utilize the NIH research project R01 grant mechanism and runs in parallel with an FOA of identical scientific scope, PA-08-193, that solicits applications for exploratory, pilot projects under the NIH R21 grant mechanism.

R01 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-08-192.html>

R21 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-08-193.html>

\$ - University of Hawaii, RCUH – Diversity and Equity Initiatives

Deadline is Friday, October 7, 2011

Proposals are now being accepted from all 10 UH campuses for the fall 2011 Diversity and Equity Initiatives. Diversity and Equity Initiative grants support University of Hawai'i diversity goals with projects that provide a more inclusive environment for students, faculty and administrators. Applicants can support these efforts with proposals that address gender, sexual orientation, disability and groups underrepresented in higher education. Proposals that serve more than one campus are strongly encouraged. Notification of awards is expected by October 31, 2011. Please go to www.hawaii.edu/diversity/dei for information guidelines and application.

\$ - NSF - [Louis Stokes Alliances for Minority Participation \(LSAMP\)](#) (NSF 11-543)

Full Proposal Deadline: October 7, 2011

LSAMP Alliance Proposals,
Broadening Participation Research in STEM Education Proposals,
Pilot Regional LSAMP Centers of Excellence in Broadening Participation Proposals

The Louis Stokes Alliances for Minority Participation (LSAMP) program provides funding for new, mid-level and senior-level alliances, the Bridge to the Doctorate (LSAMP-BD) Activity, and knowledge generation activities in broadening participation, e.g., research on topics in STEM education related to retention and persistence of students from populations underrepresented in STEM majors and careers. The LSAMP program assists universities and colleges in diversifying the STEM workforce through their efforts at significantly increasing the numbers of students successfully completing high quality degree programs in science, technology, engineering and mathematics (STEM) disciplines. Particular emphasis is placed on transforming STEM education through innovative recruitment and retention strategies and experiences in support of groups that historically have been underrepresented in STEM disciplines: African-Americans, Alaskan Natives, Native Americans, Hispanic Americans, and **Native Pacific Islanders**. Managed synergistically, the LSAMP program enables seamless transitions from pre-college to the STEM baccalaureate to attainment of the doctorate and entry to the STEM professoriate. More at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13646&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Postdoctoral Research Fellowships in Biology \(PRFB\)](#) (NSF 11-499)

Full Proposal Deadline Date: October 11, 2011 (Second Tuesday in October Annually Thereafter)

The Directorate for Biological Sciences (BIO) awards Postdoctoral Research Fellowships in Biology to recent recipients of the doctoral degree for research and training in *selected* areas supported by BIO and with special goals for human resource development in biology. The fellowships encourage independence at an early stage of the research career to permit Fellows to pursue their research and training goals in the most appropriate research locations regardless of the availability of funding for the Fellows at that site. For FY 2012, these BIO programs are (1) Broadening Participation in Biology; (2) Intersections of Biology and Mathematical and Physical Sciences; and (3) National Plant Genome Initiative Postdoctoral Research Fellowships. These areas change periodically as new scientific and infrastructure opportunities present themselves; and this solicitation will be changed as necessary to reflect the areas being funded. The fellowships are also designed to provide active mentoring of the Fellows by the sponsoring scientists who will benefit from having these talented young scientists in their research groups. The research and training plan of each fellowship must address important scientific questions within the scope of the BIO Directorate and the specific guidelines in this fellowship program solicitation. International and teaching options are also offered. Because the fellowships are offered only to postdoctoral scientists early in their careers, NSF encourages doctoral advisors to discuss the availability of BIO fellowships with their graduate students early in their doctoral programs. Fellowships are awards to individuals, not institutions, and are administered by the Fellows. More at: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503622&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - Robert Wood Johnson Foundation (RWJF) -Scholars in Health Policy Research

Deadline: October 12, 2011

The RWJF Scholars in Health Policy Research program develops and supports a new generation of creative health policy thinkers and researchers within the disciplines of economics, political science and sociology. Each year the program selects up to nine highly qualified individuals for two-year fellowships at one of three nationally prominent universities with the expectation that they will make important research contributions to future U.S. health policy. Scholars will receive stipends of \$89,000 each year.

URL: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21370&cid=XEM_206611

\$ - NIH & CDC - Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) (PA-09-140)

Deadlines: Feb. 16, June 16, **Oct. 16, 2011**

The purpose of this funding opportunity announcement (FOA) is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources. This FOA will utilize the NIH Small Research Grant (R03) award mechanism and runs in parallel with an FOA of identical scientific scope, PA-09-141, that encourages applications under the NIH Exploratory/Developmental Grant (R21).

R03 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html>

R21 FOA: <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

\$ - USDA & NSF - Water Sustainability and Climate (WSC)

The goal of the Water Sustainability and Climate (WSC) solicitation is to understand and predict the interactions between the water system and climate change, land use (including agriculture, managed forest and rangeland systems), the built environment, and ecosystem function and services through place-based research and integrative models. Studies of the water system using models and/or observations at specific sites singly or in combination that allow for spatial and temporal extrapolation to other regions, as well as integration across the different processes in that system are encouraged, especially to the extent that they advance the development of theoretical frameworks and predictive understanding.

The estimated number of awards is 12 to 26. Three categories of awards are anticipated for this solicitation. Category 1 Awards: Small exploratory or incubation grants to develop teams, identify sites, hold workshops and develop plans for establishment or operation of a study site or modeling effort. These will be 1-2 years in duration for up to \$150,000. An estimated 4-10 awards are expected to be made for Category 1 proposals. Category 2 Awards: Place-based observational and modeling studies, up to 5 years in duration and for a maximum of \$5 million for each award. An estimated 2-4 awards are expected to be made for Category 2 proposals. Category 3 Awards: Synthesis, modeling and integration grants that will use existing data to integrate and synthesize across watershed and groundwater sites. Both NSF and USDA/NIFA funds will be used to support this category. Some projects may be funded directly by USDA/NIFA. Project durations are 3-5 years, for a maximum of \$1.5 million for each award. An estimated 6-12 awards are expected to be made for Category 3 proposals. A total of \$31,000,000 is expected for the FY2012 competition, pending availability of funds. Of this amount, NIFA anticipates contributing approximately \$5,000.

Solicitation Date (Opening)	June 17, 2011
Letter of Intent Due Date	None
Due Date (Closing)	October 19, 2011
Estimated Total Program Funding	\$5,000,000.00
Range of Awards	\$150,000.00 to \$5,000,000.00
Cost Sharing Requirements	None
For More Information Contact	Mary Ann Rozum
Funding Opportunity Number	NSF 11-551
CFDA Number	10.310

http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=503452&ods_key=nsf11551

\$ - Lundberg family farms - Raising Organic Family Farms

Deadline: October 31, 2011.

Raising Organic Family Farms will provide up to \$50,000 in grants and scholarships in 2011 for beginning or transitioning organic farmers – from college students interested in sustainable agriculture programs to beginning farmers in need of seed money. Entrants submit a 500-word essay, along with optional photos and/or video content, in one of three categories:

- Seed money for equipment, supplies or repairs,
- Education funding towards schooling or conference registration,
- Mentorship with experts in business planning, marketing, retail, livestock management or crop planning.

URL: <http://www.raisingorganicfamilyfarms.com>

\$ - USDA, SARE, Western Region - Professional Development Program

Deadline: November 04, 2011

These grants focus on training agricultural professionals to help them spread knowledge about sustainable agriculture concepts and practices. PDP grants are limited to \$60,000 for single-state applications, while applications with meaningful involvement from more than one state can apply for up to \$100,000. Grants can run for up to three years, with the final year to be focused on project evaluation.

<https://wsare.usu.edu/grants/>

\$ - Bill & Melinda Gates Foundation - Grand Challenges Explorations

Deadline: November 17, 2011

The Bill & Melinda Gates Foundation is accepting proposals for Round 8 of its Grand Challenges Explorations, a \$100-million grant initiative to encourage innovation in global health and development research. The initiative offers scientists, inventors, and entrepreneurs from around the world the opportunity to win \$100,000 grants to pursue unconventional ideas that could transform health and agricultural development in the world's poorest countries. Projects that show success have the opportunity to receive additional funding of up to \$1 million over two years. The topics in Round 8 include:

Protect crop plants from biotic stresses from field to market;

- Explore nutrition for healthy growth of infants and children;
- Apply synthetic biology to global health challenges;
- Design new approaches to optimize immunization systems;
- Explore new solutions in global health priority areas.

Proposals are being accepted through November 17, 2011, at 11:30 am Pacific Daylight Time at www.grandchallenges.org/explorations.

\$ - USDA, SARE, Western Region - Producer

Deadline: December 02, 2011

These one to three year grants are conducted by agricultural producers with support and guidance from a technical advisor (e.g. Extension Agent, University Researcher, ARS Scientist or other Ag Professional). Individual producers may apply for up to \$15,000, and a group of three or more producers may apply for up to \$30,000. 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.

<https://wsare.usu.edu/grants/>

\$ - USDA, SARE, Western Region - Professional + Producer

Deadline: December 02, 2011

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 – coordinates the project. Applicants can seek up to \$50,000 and must have a minimum of five producers involved.

<https://wsare.usu.edu/grants/>

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

Deadline: December 15, 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

\$ - NSF - [Industry/University Cooperative Research Centers Program \(I/UCRC\)](#) (NSF 10-595)

Letter of Intent Deadline for planning grants: January 2, 2012 (annually thereafter) & **June 26, 2012** (annually thereafter)

Full Proposal Deadline: March 6, 2012 (annually thereafter) & **September 26, 2011** (annually thereafter)

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. URL:

http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=5501&ods_key=nsf10595

\$ - NSF – Informal Science Education (ISE) (NSF 10-565)

Deadlines: January 11, 2012

The ISE program supports innovation in anywhere, anytime, lifelong learning, through investments in research, development, infrastructure, and capacity-building for STEM learning outside formal school settings. "Informal" science education experiences are those that occur outside formal school settings. Americans spend over 80% of lifetime waking hours outside schools (Stevens & Bransford, 2007), and potentially have access to a vast array of learning resources, experiences, and educators. Moreover, mobile media and social networks have increased educational possibilities to create a global learning environment accessible by learners of all ages. In the larger landscape of 21st century STEM education, informal settings are positioned to play a pivotal role. They offer a number of fundamental strengths to STEM learners, with related challenges that NSF encourages the field to address. To advance the field of informal science education, the ISE program encourages project proposals that incorporate activities in *research and evaluation*, *design and development*, or *capacity-building*. The ISE program seeks to build the STEM and education expertise of informal science education's broad community of professionals, volunteers, parents and caregivers, and all those with potential to facilitate the learning of others. Partnerships among creators of informal science education experiences, STEM experts, and learning researchers that encourage the integration of institutional programs and resources are highly desirable. ISE invests in Conferences, Symposia, and Workshops; EAGER and RAPID grants; and Grant Supplements. The ISE program also invests in five types of projects that are specific to the program: Research; Connecting Researchers and Public Audiences; Pathways; Full-Scale Development; and Broad Implementation. These project categories relate to the DRL cycle of innovation (see URL below for additional information). Estimated Number of Awards: 60 - Approximately 8 Research, 8 Pathways, 17 Full-Scale Development, 3 Broad Implementation, and up to 24 Connecting Researchers and Public Audiences awards (CRPA) will be made per year. Anticipated Funding Amount: \$28,000,000 in FY 2012 for new awards, pending availability of funds.

http://www.nsf.gov/pubs/2011/nsf11546/nsf11546.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

\$ - NSF - [Science, Technology, and Society \(STS\)](#) (NSF 08-553)

Deadline Dates: August 1, 2011 & February 1, 2012

STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. STS has four components:

- Ethics and Values in Science, Engineering and Technology (EVS),
- History and Philosophy of Science, Engineering and Technology (HPS),
- Social Studies of Science, Engineering and Technology (SSS),
- Studies of Policy, Science, Engineering and Technology (SPS).

The components overlap, but are distinguished by the different scientific and scholarly orientations they take to the subject matter, as well as by different focuses within the subject area. STS encourages the submission of hybrid proposals that strive to integrate research involving two or more of these core areas. STS provides the following modes of support:

- Scholars Awards,
- Standard Research Grants and Grants for Collaborative Research,
- Postdoctoral Fellowships,
- Professional Development Fellowships,
- Doctoral Dissertation Research Improvement Grants,
- Small Grants for Training and Research,
- Conference and Workshop Awards,
- Other Funding Opportunities.

URL:http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5324&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Research Coordination Networks \(RCN\)](#)

RCN SEES Track Deadline Date: February 3, 2012

Each of the targeted RCN tracks have specific annual deadlines; proposals for these tracks should be submitted to the RCN solicitation.

General (non-targeted) RCN proposals should be submitted to a participating program in BIO, GEO, SBE, OCI or OPP. Refer to the specific program website for submission dates. PIs are encouraged to discuss suitability of an RCN topic with the program.

The goal of the RCN program is to advance a field or create new directions in research or education. Groups of investigators will be supported to communicate and coordinate their research, training and educational activities across disciplinary, organizational, geographic and international boundaries. RCN provides opportunities to foster new collaborations, including international partnerships, and address interdisciplinary topics. Innovative ideas for implementing novel networking strategies, collaborative technologies, and development of community standards for data and meta-data are especially encouraged. Proposed networking activities directed to the RCN program should focus on a theme to give coherence to the collaboration, such as a broad research question or particular technologies or approaches. More at:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11691&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Research on Gender in Science and Engineering \(GSE\)](#) (NSF 10-516)

Letter of Intent Deadline: February 8, 2012 & September 4, 2012 (Required)

Full Proposal Deadline: October 13, 2011 (if LOI accepted) & March 27, 2012 & Second Thursday in October, Annually Thereafter

The Research on Gender in Science and Engineering program supports efforts to understand and address gender-based differences in science, technology, engineering, and mathematics (STEM) education and workforce participation through research, the diffusion of research-based innovations, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce. Typical projects will contribute to the knowledge base addressing gender-related differences in learning and in the educational experiences that affect student interest, performance, and choice of careers; how pedagogical approaches and teaching styles, curriculum, student services, and institutional culture contribute to causing or closing gender gaps that persist in certain fields. Projects will communicate and apply findings, evaluation results, and proven good practices and products to a wider community.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5475&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Division of Molecular and Cellular Biosciences: Investigator-initiated research projects \(MCB\)](#) (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

\$ - 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

\$ - NSF - [SBE Doctoral Dissertation Research Improvement Grants \(SBE DDRIG\)](#) (NSF 11-547)

Full Proposal Deadline Date: Multiple due dates depending on topic

Program Guidelines: 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. In an effort to improve the quality of dissertation research, many programs in both BCS and SES, the Research on Science and Technology Surveys and Statistics program within NCSES, and the Science of Science and Innovation Policy program in SMA accept doctoral dissertation improvement grant proposals. Requirements vary across programs, so proposers are advised to consult the

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13453&WT.mc_id=USNSF_39&WT.mc_ev=click