

**New Funding Opportunities
October 13, 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)

Note: See new AFRI 2012 RFA Summary Table on last page.

\$ - 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, 2011**

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, 2011**

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, 2011

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, 2011

Deadlines for R21: Feb. 16, June 16, **Oct. 16, 2011**

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>

\$ - 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

\$ - 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>

\$ - NSF - [SBE Minority Postdoctoral Research Fellowships and Follow-up Research Starter Grants \(MPRF\)](#) (NSF 09-595)

Deadline: October 17, 2011

The Directorate for Social, Behavioral and Economic Sciences (SBE) offers Minority Postdoctoral Research Fellowships and Research Starter Grants in an effort to increase the diversity of researchers who participate in NSF programs in the social, behavioral and economic sciences and thereby increase the participation of scientists from underrepresented groups in selected areas of science in the United States. These activities (postdoctoral fellowships and follow-up research starter grants) support training and research in the areas of social, behavioral and economic sciences within the purview of NSF. More at: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503424&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Centers of Research Excellence in Science and Technology \(CREST\) and HBCU Research Infrastructure for Science and Engineering \(RISE\)](#) (NSF 11-520)

Deadline: October 17, 2011

The Centers of Research Excellence in Science and Technology (CREST) program makes resources available to **enhance the research capabilities of minority-serving institutions** through the establishment of centers that effectively integrate education and research. CREST promotes the development of new knowledge, enhancements of the research productivity of

individual faculty, and an expanded presence of students **historically underrepresented in STEM disciplines**. This solicitation requests proposals for: (1) CREST centers; (2) partnership supplements applied to existing CREST awards; (3) HBCU Research Infrastructure for Science & Engineering (HBCU-RISE) awards; and (4) supplements applied to SBIR/STTR Phase IIA awards for diversity collaboration with existing CREST and HBCU-RISE projects. These supplemental proposals are administered by and co-funded with the NSF Directorate for Engineering, in the Division in Industrial Innovation and Partnerships (ENG/IIP). More at: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6668&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - 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.

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| 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
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503452&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - NSF - [Partnerships for International Research and Education \(PIRE\)](#) (NSF 11-564)

Preliminary Proposal Deadline: October 19, 2011

Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. International partnerships are essential to addressing critical science and engineering problems. In the global context, U.S. researchers and educators must be able to operate effectively in teams with partners from different nations and cultural backgrounds. PIRE promotes excellence in science and engineering through international collaboration and facilitates development of a diverse, globally-engaged, U.S. science and engineering workforce. This PIRE competition will focus exclusively on the NSF-wide investment area of [Science, Engineering, and Education for Sustainability \(SEES\)](#). The SEES effort focuses on interdisciplinary topics that will advance sustainability science, engineering and education as an integrative approach to the challenges of adapting to environmental, social and cultural changes associated with growth and development of human populations, and attaining a sustainable energy future. More at: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12819&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - USDA, NIFA - Agriculture and Food Research Initiative - Agriculture and Natural Resources Science for Climate Variability and Change

This AFRI Challenge Area focuses on the priority to mitigate and adapt to climate variability and change. It supports activities that reduce greenhouse gas emissions, increase carbon sequestration in agricultural and forest production systems, and prepare the nation's agriculture and forests to adapt to variable climates. The long-term outcome for this program is to reduce the use of energy, nitrogen fertilizer, and water by ten percent and increase carbon sequestration by fifteen percent through resilient agriculture and forest production systems. In order to achieve this outcome, this program will support multi-function Integrated Research, Education, and/or Extension Projects and Food and Agricultural Science Enhancement (FASE) Grants applications that address one of the Program Area Priorities (see Climate Variability and Change RFA for details). Due to limited resources and in the interest of encouraging linkages between research, education, and extension, NIFA is only soliciting Integrated Projects under this RFA.

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| Solicitation Date (Opening) | September 21, 2011 |
| Letter of Intent Due Date: (Required) | Oct 20 and 28, 2011 (See RFA for details) |

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| Due Date for Proposals: | December 16, 2011 and January 13, 2012 (See RFA for details) |
| Estimated Total Program Funding | \$12,000,000.00 |
| Range of Awards | \$0.00 to \$10,000,000.00 |
| Cost Sharing Requirements | Yes , for equipment grants and if commodity specific. (See RFA for details) |
| For More Information Contact | Michael A. Bowers |
| Funding Opportunity Number | USDA-NIFA-AFRI-003537 |
| CFDA Number | 10.310 - Agriculture and Food Research Initiative |

URL: <http://www.csrees.usda.gov/funding/rfas/afri.html>

\$ - NSF - [Advanced Technological Education \(ATE\)](#) (NSF 11-692)

Deadline: October 20, 2011

With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities. Another goal is articulation between two-year and four-year programs for K-12 prospective teachers that focus on technological education. The program also invites proposals focusing on research to advance the knowledge base related to technician education. More at

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5464&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - USDA, NIFA - Sustainable Bioenergy

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| Document Type: | Modification to Previous Grants Notice |
| Funding Opportunity Number: | USDA-NIFA-AFRI-003536 |
| Opportunity Category: | Discretionary |
| Posted Date: | Sep 21, 2011 |
| Creation Date: | Sep 21, 2011 |
| Letter of Intent Deadline: (required) | October 25, 2011 |
| Full Proposal Deadline: | Dec 15, 2011 |
| Archive Date: | Jan 14, 2012 |
| Award Ceiling: | \$10,000,000 |
| CFDA Number(s): | 10.310 -- Agriculture and Food Research |

Initiative (AFRI)

Cost Sharing or Matching Requirement: **Yes**

The Sustainable Bioenergy Challenge Area RFA focuses on the societal challenge to secure America's energy future. In the Sustainable Bioenergy Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of reducing the National dependence on foreign oil through the production of sustainable bioenergy. Project types supported by AFRI within this RFA include single-function Research, multi-function Integrated Research, Education, and/or Extension Projects, and Food and Agricultural Science Enhancement (FASE) Grants.

URL: <http://www.csrees.usda.gov/funding/rfas/afri.html>

\$ - 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, NIFA – AFRI: Food Security

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| Document Type: | Grants Notice |
| Funding Opportunity Number: | USDA-NIFA-AFRI-003542 |
| Opportunity Category: | Discretionary |
| Posted Date: | Sep 29, 2011 |
| Letter of Intent Deadline: (required): | Nov 2, 15, 16, 17, & 23, 2011 |
| Full Application Deadline: | Feb 2, 14, 15, Mar 1, & 14, 2012 |
| Archive Date: | Apr 13, 2012 |
| Award Ceiling: | \$19,000,000 |
| CFDA Number(s): | 10.310 -- Agriculture and Food Research Initiative (AFRI) |
| Cost Sharing or Matching Requirement: | Yes |

The Food Security Challenge Area RFA focuses on the societal challenge to keep American agriculture competitive while ending world hunger. In the Food Security Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of increasing food availability and decreasing the number of food insecure individuals. Project types supported by AFRI within this RFA include single-function Extension Projects, multi-function Integrated Research, Education, and/or Extension Projects and Food and Agricultural Science Enhancement (FASE) Grants.

URL: <http://www.csrees.usda.gov/funding/rfas/afri.html>

\$ - 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.

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

\$ - NSF - EPSCoR Research Infrastructure Improvement Program: Track-1 (RII Track-1) (11-565)

Deadline: November 4, 2011

The Experimental Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. The EPSCoR program is directed at those jurisdictions that have historically received lesser amounts of NSF Research and Development (R&D) funding. Twenty-eight states, the Commonwealth of Puerto Rico and the U. S. Virgin Islands are currently [eligible](#) to participate. Through this program, NSF establishes partnerships with government, higher education and industry that are designed to effect sustainable in a state's or region's research infrastructure, R&D capacity, and hence, its national R&D competitiveness. (Note: Hawaii is an EPSCoR eligible state and has a current EPSCoR program. For more information see: <http://www.epscor.hawaii.edu/contact-us>)

Research Infrastructure Improvement Program: Track-1 (RII Track-1) awards provide up to \$4 million per year for up to 5 years to support physical, human, and cyber infrastructure improvements in research areas selected by the jurisdiction's EPSCoR governing committee as having the best potential to improve future R&D competitiveness of the jurisdiction.

http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=503429&ods_key=nsf11565

\$ - USDA, NIFA - IR-4 Biopesticide and Organic Support Research Program

Deadline is November 7, 2011

The IR-4 Biopesticide and Organic Support Program announces a request for grant proposals for funding of efficacy research in 2012. IR-4 is especially interested in proposals containing biopesticides as resistance management tools, rotated with conventional products and for use as a part of organic production systems. While resistance management is an important interest, the proposal must still have a majority focus on biopesticides. Project proposals will be accepted in Early, Advanced and Demonstration stage categories. The total amount of funding available will be around \$ 400,000 but is subject to Federal funding. The primary objective of the IR-4 Biopesticide Research Program is to further the development and registration of biopesticides for use in pest management systems for specialty crops or for minor uses on major crops.

<http://ir4.rutgers.edu/Biopesticides/biograntsannouncement.htm>

<http://ir4.rutgers.edu/Biopesticides/EarlyAdvDemoGuidelinesForms-2012.doc>

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

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. 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. In 2011-2012, this program will support the following types of ADVANCE Projects: Institutional Transformation (IT), Institutional Transformation Catalyst (IT-Catalyst), and Partnerships for Adaptation, Implementation, and Dissemination (PAID).

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - USDA, NIFA - Fellowships Grant Program

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| Document Type: | Grants Notice |
| Funding Opportunity Number: | USDA-NIFA-AFRI-003538 |
| Opportunity Category: | Discretionary |
| Posted Date: | Sep 21, 2011 |
| Letter of Intent Deadline: (required) | November 8, 2011 |
| Full proposal: | Jan 19, 2012. |
| Archive Date: | Feb 18, 2012 |
| Award Ceiling: | \$130,000 |
| CFDA Number(s): | 10.310 -- Agriculture and Food Research Initiative (AFRI) |
| Cost Sharing or Matching Requirement: | No |

The AFRI NIFA Fellowship RFA focuses on developing the next generation of scientists who will lead agriculture into the future by solving current and future challenges facing our society. The AFRI, NIFA Fellowships Grant Program targets talented, highly-motivated doctoral candidates and postdoctoral trainees that demonstrate remarkable promise and the ability to increase the number of gifted agricultural scientists in the United States. The NIFA Fellows are individuals who have the potential for remarkable accomplishments in agricultural science. The Program seeks to develop the technical and academic competence of doctoral candidates and the research independence and teaching credentials of postdoctoral scientists in the food, forestry and agricultural sciences that are within NIFA's challenge areas through well-developed and highly interactive mentoring and training activities. Project types supported by AFRI within this RFA include single-function Research, Education, and Extension Projects and multi-function Integrated Research, Education, and/or Extension Projects. NIFA Pre- and Postdoctoral Fellowship Grants will support research, education, extension, or integrated activities that address one of the Challenge Areas or Foundational Program Areas, as submitted by eligible (i) students pursuing a doctorate degree and who have successfully completed their preliminary, qualifying, or general exams (oral and/or written, as per institutional requirements) prior to the application deadline; and (ii) individuals seeking postdoctoral opportunities who have received their doctoral degree no earlier than January 1, 2009 and not later than July 19, 2012.

URL: <http://www.csrees.usda.gov/funding/rfas/afri.html> or
[Agriculture and Food Research Initiative: NIFA Fellowships Grant Program](#)

\$ - NSF - [East Asia and Pacific Summer Institutes for U.S. Graduate Students \(EAPSI\)](#)
(NSF 10-591)

Deadline: November 9, 2011

The East Asia and Pacific Summer Institutes (EAPSI) provide U.S. graduate students in science and engineering: 1) first-hand research experiences in Australia, China, Japan, South Korea, New Zealand, Singapore or Taiwan; 2) an introduction to the science, science policy, and scientific infrastructure of the respective location; and 3) an orientation to the society, culture and language. The primary goals of EAPSI are to introduce students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts. All institutes, except Japan, last approximately eight weeks from June to August. Japan lasts approximately ten weeks from June to August (specific dates are available and updated at www.nsf.org).

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284&WT.mc_id=USNSF_39&WT.mc_ev=click

\$ - USDA, NIFA - Community Food Projects Competitive Grants Program

Community Food Projects should be designed to (1): (A) meet the food needs of low-income people; (B) increase the self-reliance of communities in providing for their own food needs; and (C) promote comprehensive responses to local food, farm, and nutrition issues; and/or (2) meet specific state, local, or neighborhood food and agriculture needs for (A) infrastructure improvement and development; (B) planning for long-term solutions; or (C) the creation of innovative marketing activities that mutually benefit agricultural producers and low-income consumers. **Only private, nonprofit entities** meeting specific requirements as listed in the Request for Applications (RFA). Please refer to eligibility in the RFA.

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| Solicitation Date (Opening) | September 21, 2011 |
| Letter of Intent Due Date | None |
| Due Date (Closing) | November 17, 2011 |
| Estimated Total Program Funding | \$5,000,000.00 |
| Range of Awards | \$0.00 to \$500,000.00 |
| Percent of Applications Funded Last Fiscal Year | 18% |
| Cost Sharing Requirements | Yes , Dollar for dollar matching required, except for Training and Capacity Building projects. |
| For More Information Contact | Elizabeth Tuckermanty |
| Funding Opportunity Number | USDA-NIFA-CFP-003539 |
| CFDA Number | 10.225 COMMUNITY FOOD PROJECTS |

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

\$ - 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, NIFA - Western Integrated Pest Management Center (WIPMC): IPM Work Groups (IWGs), Outreach and/or Publications, and Surveys/Crop Profiles/Pest Management Strategic Plans

Deadline: Nov 18, 2011

The Western IPM Center is pleased to release a Request for Applications (RFA) for "Western IPM Center 2012 Competitive Grant Programs." Programs available in this RFA include **(A) IPM Work Groups, (B) Outreach and/or Publications, and (C) Surveys/Crop Profiles/Pest Management Strategic Plans**. The WIPMC is committed to addressing the pest management needs expressed by stakeholders so all proposals must include explicit citations that document the stakeholder-identified needs addressed by the proposed project. IPM Work Groups must be multi-state work groups to address information, resource, and research needs in region-wide or broad-area categories, including water quality/quantity, minor crops, major crops, non-crop areas, Integrated Pest Management (IPM) metrics and/or impact assessments, community IPM (urban), cropping systems, geographical, school IPM, and other issues. WIPMC encourages projects that extend IPM information to audiences who will use this knowledge to decrease the risks associated with pest management. The Center expects to fund IPM Work Groups for up to \$12,000 each, Outreach and Publications can be funded up to \$20,000 each, dependent on the complexity of the task and the number of states involved. Single-state projects typically will not be funded for more than \$10,000. The expected range for Surveys/Crop Profiles/Pest Management Strategic Plans funding is \$5,000–10,000 each, depending on complexity. While PDs are encouraged to seek matching funds, there are no cost-sharing or matching requirements associated with the WIPMC grants program. Matching resources will not be factored into the review process as an evaluation criterion. Proposals may request funding beginning on January 1, 2012 and all projects must have an end-date no later than March 14,

2013. The primary project director (PD) for a WIPMC project grant must reside in the western region, but co-PDs may be from outside the region. Proposals are limited to the following states and territories: Alaska, Arizona, California, Colorado, **Hawaii**, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, **American Samoa, the Federated States of Micronesia, Guam, and the Northern Mariana Islands**. Proposals must not exceed six (6) pages in length.

URLs: <http://www.wrpmc.ucdavis.edu/>,
<http://www.wrpmc.ucdavis.edu/WIPMC%20RFA%202012%20Final.pdf> ,
<http://www.wrpmc.ucdavis.edu/WIPMC%20RFA%202012%20Final.doc>

\$ - USDA, NIFA - Beginning Farmer and Rancher Development Program (BFRDP)

The U.S. agricultural population is poised to make a dramatic change - half of all current farmers are likely to retire in the next decade. According to the 2007 Census of Agriculture, the average age of farm operators was 57 years. Farmers over the age 55 own more than half the farmland in the U.S. But the number of new farmers and ranchers over the age of 35 is increasing, as does the number of smaller farms and ranches nationwide. A similar trend is evident for tree farmers nationwide. To address the needs of this changing generation, Section 7410 of the Food, Conservation, and Energy Act of 2008 (Pub .L. No. 110-234) amended Section 7405 of the Farm Security and Rural Investment Act of 2002 and made available in FY 2009, \$17.2 million to fund a Beginning Farmer and Rancher Development Program (BFRDP). According to these legislations, a beginning farm is considered to be one that is operated by one or more operators who have 10 years or less of experience operating a farm or ranch. In 2007, approximately 21 percent of family farms met that definition. The recipient must be a **collaborative**, State, tribal, local, or regionally-based network or partnership of public or private entities, which may include: state cooperative extension service; community-based and nongovernmental organization; college or university (including institutions awarding associate degrees); or any other appropriate partner. Others may be eligible to apply. Please refer to Part III of the current BFRDP Request for Applications for complete eligibility requirements.

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| Solicitation Date (Opening) | September 22, 2011 |
| Letter of Intent Due Date | None |
| Due Date: | November 22, 2011 |
| Estimated Total Program Funding | \$19,000,000.00 |
| Percent of Applications Funded Last Fiscal Year | 35% |
| Cost Sharing Requirements | At least equal to 25 percent of Federal funds awarded |
| For More Information Contact | Siva Sureshwaran |
| Funding Opportunity Number | USDA-NIFA-BFR-003541 |

URL: <http://www.nifa.usda.gov/funding/rfas/bfrdp.html>

\$ - Burroughs Wellcome Fund - Collaborative Research Travel Grants**Deadline: December 1, 2011**

The [Burroughs Wellcome Fund](http://www.bwfund.org)'s Collaborative Research Travel Grants program provides up to \$15,000 in support for Ph.D. candidates, postdoctoral fellows, and faculty researchers from degree-granting institutions in the U.S. or Canada to travel either domestically or internationally to a laboratory to acquire a new research technique, to facilitate a collaboration, or to attend a laboratory/lecture course. Applicants must hold a Ph.D. or be studying for a Ph.D. in mathematics, physics, chemistry, computer science, statistics, or engineering and be interested in investigating research opportunities in the biological sciences. Biologists interested in working with physical scientists, mathematicians, engineers, chemists, statisticians, or computer scientists to incorporate their ideas and approaches to answering biological questions are also eligible to apply. Grants cannot be used for travel to domestic or international meetings or to cover salary support. Awards will be made to North American degree-granting institutions on behalf of the named award recipients.

URL: <http://www.bwfund.org/pages/481/Collaborative-Research-Travel-Grants/>

\$ - 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/>

\$ - 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)

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| 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 - [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

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

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. The FY 2011 IR-4 Program will fund four geographically-based IR-4 Regional Centers and an IR-4 National Headquarters.

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| Solicitation Date (Opening) | November 10, 2010 |
| Letter of Intent Due Date | None |
| Due Date (Closing) | January 26, 2011 |
| Estimated Total Program Funding | \$11,000,000.00 |
| Range of Awards | \$1,000,000.00 to \$4,800,000.00 |
| Percent of Applications Funded Last Fiscal Year | 100% |
| Cost Sharing Requirements | 0 |
| For More Information Contact | Monte Johnson |
| Funding Opportunity Number | USDA-NIFA-SRGP-003377 |
| CFDA Number | 10.200 |

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

\$ - 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 - [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 - [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

FY 2012 AFRI RFAs

| AFRI Agricultural Science for Climate Variability and Change Challenge Area RFA | | | | |
|---|-------------------|--------------------------------------|---------------------------|----------------------|
| Program Area | Program Area Code | Program Area Contacts | Letter of Intent Deadline | Application Deadline |
| Integrated Approaches to Climate Adaptation and Mitigation in Agroecosystems | A3142 | Dr. Diana Jerkins | 10/20/2011 | 12/16/2011 |
| Regional Approaches for Adaptation to and Mitigation of Climate Variability and Change | A3101 | Dr. Raymond Knighton | 10/28/2011 | 01/13/2012 |

| AFRI Sustainable Bioenergy Challenge Area RFA | | | | |
|--|-------------------|-------------------------------------|---------------------------|----------------------|
| Program Area | Program Area Code | Program Area Contacts | Letter of Intent Deadline | Application Deadline |
| Development and Sustainable Production of Regionally-appropriate Biomass Feedstocks | A6101 | Dr. William Goldner | 10/25/2011 | 12/15/2011 |
| Policy Options for and Impacts on Regional Biofuels Production Systems | A6122 | Dr. Fen Hunt | 10/25/2011 | 12/15/2011 |
| Impacts of Regional Bioenergy Feedstock Production Systems on Wildlife and Pollinators | A6123 | Dr. Daniel Cassidy | 10/25/2011 | 12/15/2011 |
| Socioeconomic Impacts of Biofuels on Rural Communities | A6124 | Dr. Fen Hunt | 10/25/2011 | 12/15/2011 |
| Environmental Implications of Direct and Indirect Land Use Change | A6125 | Dr. Nancy Cavallaro | 10/25/2011 | 12/15/2011 |

| AFRI NIFA Fellowships Grant Program RFA | | | | |
|---|-------------------|-----------------------------------|---------------------------|----------------------|
| Program Area | Program Area Code | Program Area Contacts | Letter of Intent Deadline | Application Deadline |
| Predocctoral Fellowships | A7101 | Dr. Margo Holland | 11/8/2011 | 1/19/2012 |
| Postdoctoral Fellowships | A7201 | Dr. Margo Holland | 11/8/2011 | 1/19/2012 |

| AFRI Food Security Challenge Area RFA | | | | |
|--|-------------------|--------------------------------------|---------------------------|----------------------|
| Program Area | Program Area Code | Program Area Contacts | Letter of Intent Deadline | Application Deadline |
| Translational Genomics for Disease Resistance in Animals | A5112 | Dr. Margo Holland | 11/17/2011 | 3/1/2012 |
| Extension-driven Disease Prevention and Control in Animals | A5113 | Dr. Peter Johnson | 11/17/2011 | 3/1/2012 |
| Translational Genomics for Improved Fertility of Animals | A5102 | Dr. Mark Mirando | 11/17/2011 | 3/1/2012 |
| Minimizing Diseases due to Fungal Pathosystems | A5122 | Dr. Ann Lichens-Park | 11/23/2011 | 3/14/2012 |
| Management of Arthropod- or Nematode- vectored Plant Pathogens | A5123 | Dr. Robert Nowierski | 11/2/2011 | 2/15/2012 |
| Enhanced Implementation of Integrated Pest Management (IPM) for Vectored Pathogens | A5132 | Dr. Martin Draper | 11/16/2011 | 2/2/2012 |
| Sustainable Food Systems to Improve Food Security | A5141 | Dr. Diana Jerkins | 11/15/2011 | 2/15/2012 |

http://www.nifa.usda.gov/funding/afri/afri_program_deadline_dates.html

FY 2012 AFRI RFAs

[AFRI Climate Change Challenge Area RFA](#)
[AFRI Food Security Challenge Area RFA](#)
[AFRI Sustainable Bioenergy Challenge Area RFA](#)
[AFRI NIFA Fellowships Grant Program RFA](#)

FY 2012 AFRI RFAs to be Announced

[AFRI Childhood Obesity Prevention Challenge Area RFA](#)
[AFRI Foundational Program RFA](#)