

**New Funding Opportunities**  
**March 21, 2012**

Aloha,

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

Sharee Pepper, PhD  
Office of the Associate Dean & Associate Director for Research  
College of Tropical Agriculture & Human Resources  
University of Hawaii at Manoa  
Honolulu, HI 96822  
Phone: (808) 956-4556  
Fax: (808) 956-6967  
E-mail: [spepper@hawaii.edu](mailto:spepper@hawaii.edu)

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](http://www.ors.hawaii.edu/library/documents/SF424_Instructions.pdf)

**UH ORS Institutional Profile Information:**

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

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

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

**Deadline: March 30, 2012**

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

Oahu, Kauai and American Samoa:

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

West Hawaii:

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

Maui County, East Hawaii:

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

Guam, CNMI, Palau, Majuro:

Tony Barcinas, [anthony.barcinas@pb.usda.gov](mailto:anthony.barcinas@pb.usda.gov) 671-300-8567

Yap, Chuuk, Pohnpei, Kosrae:

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

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

## \$ - USDA, NIFA - Higher Education Challenge (HEC) Grants Program

Projects supported by the Higher Education Challenge Grants Program will: (1) address a State, regional, national, or international educational need; (2) involve a creative or non-traditional approach toward addressing that need that can serve as a model to others; (3) encourage and facilitate better working relationships in the university science and education community, as well as between universities and the private sector, to enhance program quality and supplement available resources; and (4) result in benefits that will likely transcend the project duration and USDA support.

Solicitation Date (Opening)	January 25, 2012
Letter of Intent Due Date	None
<b>Due Date (Closing)</b>	<b>March 30, 2012</b>
Anticipated Award Date	July 16, 2012
Estimated Total Program Funding	\$4,770,000.00
Range of Awards	\$30,000.00 to \$750,000.00
Percent of Applications Funded Last Fiscal Year	27%
Cost Sharing Requirements	Required to match <b>25%</b>
For More Information Contact	<a href="#">Gregory Smith</a>
Funding Opportunity Number	<a href="#">USDA-NIFA-CGP-003668</a>

CFDA Number	10.217 HIGHER EDUCATION CHALLENGE GRANTS
-------------	---

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

**Deadline: March 30, 2012**

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

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

Research awards may not exceed \$200,000 in total costs per year. Research project term may not exceed two years. CPS will consider proposals where the primary objective is to generate preliminary data or provide proof of concept for novel ideas. These proposals should address a question in the Research Priorities. Proof of concept awards may not exceed \$50,000 in total costs, and may not exceed one year in length. URLs: <https://ucanr.org/cpsgrants/index.cfm> & [https://cps.ucdavis.edu/article/70/CPS\\_Calls\\_for\\_2012\\_Research\\_Proposals.html](https://cps.ucdavis.edu/article/70/CPS_Calls_for_2012_Research_Proposals.html)

### **\$ - USDA, NIFA - Women and Minorities in Science, Technology, Engineering and Mathematics Fields Program (WAMS)**

Document Type:	Grants Notice
Funding Opportunity Number:	USDA-NIFA-WAMS-003711
Opportunity Category:	Discretionary
Posted Date:	Mar 12, 2012
<b>Current Closing Date:</b>	<b>Apr 12, 2012</b>
Archive Date:	May 12, 2012
Estimated Total Program Funding:	\$350,000

Award Ceiling: \$300,000  
 Award Floor: \$75,000  
 CFDA Number(s): 10.318 -- Women and Minorities in Science, Technology, Engineering, and

Cost Sharing or Matching Requirement: **Yes**

This program supports research and extension projects that have robust collaborations to increase the participation of women and underrepresented minorities from rural areas in science, technology, engineering, and mathematics fields that are relevant to USDA priorities identified by the Secretary: (i) Promotion of a safe, sufficient, and nutritious food supply for all Americans and for people around the world; (ii) Sustainable agricultural policies that foster economic viability for small and mid-sized farms and rural businesses, protect natural resources, and promote value-added agriculture; (iii) national leadership in climate change mitigation and adaptation; (iv) Building a modern workplace with a modern workforce; and (v) Support for 21st century rural communities.

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

#### **\$ USDA, NIFA - Special Research Grants Program Potato Breeding Research**

Document Type: Grants Notice  
 Funding Opportunity Number: USDA-NIFA-SRGP-003712  
 Opportunity Category: Discretionary  
 Posted Date: Mar 14, 2012  
**Current Closing Date: Apr 13, 2012**  
 Archive Date: May 13, 2012  
 Estimated Total Program Funding: \$1,238,000  
 Award Ceiling: \$1,238,000  
 Award Floor: \$0  
 CFDA Number(s): 10.200 -- Grants for Agricultural Research, Special Research Grants

Cost Sharing or Matching Requirement: No

The purpose of this grant program is to support potato (*Solanum tuberosum* L.) research programs that focus on varietal development and testing and potato varieties for commercial production. As used herein, varietal development and testing is research using conventional breeding and/or biotechnological genetics to develop improved potato varieties. Aspects of evaluation, screening and testing must support variety development.

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

## \$ - USDA, NIFA - Supplemental and Alternative Crops Competitive Grants Program

Document Type:	Grants Notice
Funding Opportunity Number:	USDA-NIFA-OP-003715
Opportunity Category:	Discretionary
Posted Date:	Mar 16, 2012
<b>Current Closing Date:</b>	<b>Apr 16, 2012</b>
Archive Date:	May 16, 2012
Estimated Total Program Funding:	\$780,000
Award Ceiling:	\$210,000
Award Floor:	\$0
CFDA Number(s):	10.200 -- Grants for Agricultural Research, Special Research Grants

Cost Sharing or Matching Requirement: No

The Supplemental and Alternative Crops Competitive (SACC) Grants Program will support the development of **canola** as a viable supplemental and alternative crop in the United States. The goal of the SACC program is to significantly increase crop production and/or acreage by developing and testing of superior germplasm, improving methods of planting, cultivation, and harvesting, and transferring new knowledge to producers (via Extension) as soon as practicable. Extension, education, and communication activities related to the research areas above must be addressed in the proposal.

[http://www.nifa.usda.gov/funding/rfas/alt\\_crops.html](http://www.nifa.usda.gov/funding/rfas/alt_crops.html)

## \$ - NSF - MacroSystems Biology:

**Full Proposal Deadline Date: April 18, 2012** (NSF 12-532)

The MacroSystems Biology: Research on Biological Systems at Regional to Continental Scales will support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and invasive species at regional to continental scales as well as planning, training, and development activities to enable groups to conduct MacroSystems Biology Research.

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503425&WT.mc\\_id=USNSF\\_40&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503425&WT.mc_id=USNSF_40&WT.mc_ev=click)

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

This solicitation will capitalize on the synergy between development of climate models, their use in both the assessment and attribution of climate variability and impacts, and the development of approaches to effectively inform adaptation policy. The overall goal of the EaSM solicitation is to improve upon and expand on current modeling capabilities in order to

substantively contribute to the advancement of reliable regional and decadal climate predictions. The submission of the application is through the National Science Foundation (NSF).

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

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503399](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503399)

### **\$ - USDA, NIFA - Organic Transitions Program**

Document Type: Grants Notice  
 Funding Opportunity Number: USDA-NIFA-ICGP-003691  
 Opportunity Category: Discretionary  
 Posted Date: Feb 29, 2012  
**Current Closing Date: Apr 25, 2012**  
 Archive Date: May 25, 2012  
 Funding Instrument Type: Grant  
 Category of Funding Activity: Agriculture Food and Nutrition  
 Estimated Total Funding: \$3,750,000  
 Award Ceiling: \$750,000  
 CFDA Number(s): 10.303 -- Integrated Programs  
 Cost Sharing or Matching: **Yes (but can be waived)**

The overall goal of the Organic Transitions Program (ORG) is to support the development and implementation of research, extension and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices. In FY 2012, ORG will focus on environmental services provided by organic farming systems that support soil conservation and contribute to climate change mitigation. Practices and systems to be addressed include those associated with organic crops, organic animal production (including dairy), and organic systems integrating plant and animal production. ORG will fund standard Integrated Research, Education, and Extension projects with a project period of one to three years. Budgets may not exceed \$300,000 per year with the total amount awarded not to exceed \$750,000. A total of five to six awards are anticipated.

[http://nifa.usda.gov/funding/rfas/organic\\_trans\\_icgp.html](http://nifa.usda.gov/funding/rfas/organic_trans_icgp.html)

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

**Deadlines: May 1, August 1, November 1, 2012 & Feb 1, 201.**

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

Questions should be directed to the NRC at 202-334-2760 (phone) or [rap@nas.edu](mailto:rap@nas.edu).

### **\$ - USDA, NSF, DOE - Decadal and Regional Climate Prediction using Earth System Models (EaSM)**

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

Solicitation Date (Opening)	December 21, 2011
Letter of Intent Due Date	None
<b>Due Date (Closing)</b>	<b>May 11, 2012</b>
Estimated Total Program Funding	\$5,000,000.00
Range of Awards	Unavailable
Cost Sharing Requirements	None
For More Information Contact	<a href="#">Nancy Cavallaro</a>
Funding Opportunity Number	<a href="#">NSF 12-522</a>
CFDA Number	10.310

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503399](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503399)

### \$ - USDA, NIFA - Regional Integrated Pest Management Centers

The overarching goals of the Regional Integrated Pest Management Centers (IPM Centers) program are to improve the cost benefit analyses of adopting IPM practices and to reduce the environmental and human health risks associated with managing pests. The IPM Centers will promote the development and implementation of IPM by facilitating collaboration across states, disciplines, and purposes. They will serve as focal points for regional pest management information networks, collaborative team building, and broad-based stakeholder participation. The end result will be increased coordination of IPM research, education and extension efforts and enhanced responsiveness to critical, priority pest management and global food security challenges.

Solicitation Date (Opening)	March 12, 2012
Letter of Intent Due Date	None
<b>Due Date (Closing)</b>	<b>May 14, 2012</b>
Estimated Total Program Funding	\$3,805,520.00
Range of Awards	\$0.00 to \$951,380.00
Percent of Applications Funded Last Fiscal Year	100%
Cost Sharing Requirements	If commodity-specific benefits, dollar-for-dollar match required. See RFA for details.
For More Information Contact	<a href="#">Herbert Bolton</a>
Funding Opportunity Number	<a href="#">USDA-NIFA-ICGP-003710</a>
CFDA Number	10.303 Integrated Programs

[http://www.nifa.usda.gov/funding/rfas/reg\\_ipm\\_centers.html](http://www.nifa.usda.gov/funding/rfas/reg_ipm_centers.html)

### \$ - 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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503626&WT.mc_id=USNSF_39&WT.mc_ev=click)

**\$ - Robert Wood Johnson - Healthy Eating Research: Building Evidence to Prevent Childhood Obesity**

**Deadlines for concept papers:**

**RWJF New Connections grants awarded through HER: May 22, 2012**

**Round 7 grants: August 9, 2012**

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015. This call for proposals is for two types of awards aimed at providing key decision- and policy-makers with evidence to reverse the childhood obesity epidemic by 2015. The award types are: Round 7 grants and RWJF New Connections grants awarded through the Healthy Eating Research program.

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

**Letter of Intent Deadlines Date: January 2, 2012 & June 29, 2012 (required)**

**Full Proposal Deadlines Date: March 6, 2012 & September 28, 2012**

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

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5501&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5501&WT.mc_id=USNSF_39&WT.mc_ev=click)

**\$ - NSF - [Collections in Support of Biological Research \(CSBR\)](#) (NSF 11-558)**

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

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

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503651&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503651&WT.mc_id=USNSF_39&WT.mc_ev=click)

**\$ - USDA, NIFA - Agriculture and Food Research Initiative - Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Species**

This interagency program is issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Heart, Lung, and Blood Institute (NHLBI), and USDA National Institute of Food and Agriculture (NIFA) is to invite the submission of grant proposals that utilize agriculturally important domestic species to improve human health and animal agriculture through the advancement of basic and translational research deemed highly relevant to both agricultural and biomedical research. This initiative is designed to facilitate and encourage comparative medicine research studies through the careful selection and refinement of farm animal models that mimic human developmental, physiological, and etiological processes to better understand disease origins and improve assisted reproduction efficiencies. The anticipated outcomes include both the elucidation of fundamental information relevant for the improvement of human health and an increase in food animal production and improvement in animal health and product quality.

Solicitation Date (Opening)	September 2, 2010
<b>Letter of Intent Due Date</b>	<b>August 20, 2012 (optional)</b>
<b>Due Date (Closing)</b>	<b>September 20, 2012</b>
Estimated Total Program Funding	\$5,000,000.00
Range of Awards	Unavailable
Cost Sharing Requirements	See RFA for details.
For More Information Contact	<a href="#">Mark A. Mirando</a>
Funding Opportunity Number	<a href="#">PAR-10-276</a>
CFDA Number	10.310 - Agriculture and Food Research Initiative

<http://grants.nih.gov/grants/guide/pa-files/PAR-10-276.html>

**\$ - 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](https://wsare.usu.edu/grants/RFA/TRG_2010.pdf)