

ESPP Funding Opportunities: Dec. 15, 2015

OPPORTUNITIES FOR STUDENTS and RECENT GRADUATES

2016 NASA-MSU Professional Enhancement Award.

Students, post-docs and junior researchers (e.g. assistant professors) across the world who want to expand their professional networks should apply for a 2016 NASA-MSU Professional Enhancement Award. Scholars who receive the awards give oral or poster presentations at the U.S. Regional Association of the International Association of Landscape Ecology (US-IALE) 2016 Annual Meeting April 3-7 in Asheville, NC. The presentations should focus on telecoupling (environmental and socioeconomic interactions over distances, such as human and animal migration, species dispersal, species invasion, disease spread, sound/noise transmission, spread of pollutants and wastes, trade of goods and products, flows of ecosystem services, environmental and hydrological flows, foreign investment, technology transfer, water transfer, and tourism). Topics may include applications of the telecoupling framework to address issues across landscapes or coupled human and natural systems (e.g., cross-scale and cross-border dynamics, pattern, process, structure, function, and sustainability).

Dec. 21, 2015

EAR Postdoctoral Fellowships, National Science Foundation 15-568

The Division of Earth Sciences (EAR) awards Postdoctoral Fellowships to recent recipients of doctoral degrees to carry out an integrated program of independent research and education. The research and education plans of each fellowship must address scientific questions within the scope of EAR disciplines. The program supports researchers for a period of up to two years with fellowships that can be taken to the institution of their choice (including facilities abroad). The program is intended to recognize beginning investigators of significant potential, and provide them with research experience, mentorship, and training that will establish them in leadership positions in the Earth Sciences community. Because the fellowships are offered only to postdoctoral scientists early in their career, doctoral advisors are encouraged to discuss the availability of EAR postdoctoral fellowships with their graduate students early in their doctoral programs. Fellowships are awards to individuals, not institutions, and are administered by the Fellows.<

Jan. 1, 2016

Fiscal Year 2016 NMFS-Sea Grant Fellowships in Population and Ecosystem Dynamics NOAA-OAR-SG-2016-2004722

The Fellowship Program expects to award at least two new PhD Fellowships in 2016 to students who are interested in careers related to marine ecosystem and population dynamics, with a focus on modeling and managing systems of living marine resources. The emphasis will be on the development and implementation of quantitative methods for assessing marine ecosystems, for assessing the status of fish, invertebrate, and other targeted species stocks and for assessing the status of marine mammals, seabirds, and other protected species. Fellows will work on thesis problems of public interest and relevance to National Marine Fisheries Service (NMFS) under the guidance of NMFS mentors at participating NMFS Science Centers or Offices. The NMFS-Sea Grant Fellowship in Population and Ecosystem Dynamics meets NOAA's Healthy Oceans goal of "Marine fisheries, habitats, biodiversity sustained with healthy and productive ecosystems". The expected annual award per Fellow will be \$46,000 (federal plus matching funds), jointly funded by NOAA Fisheries and Sea Grant.

Feb. 5, 2016

OPPORTUNITIES FOR FACULTY

Industry/University Cooperative Research Centers Program

The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an 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.

Jan. 11, 2016

Dear Colleague Letter: Germination of Research Ideas for Large Opportunities and Critical Societal Needs (GERMINATION)NSF 16-028

This Dear Colleague Letter (DCL) seeks EAGER (EARly-concept Grants for Exploratory Research) proposals with exploratory ideas to design learning frameworks, platforms and/or environments to enable participants to conceive research ideas and questions with potentially transformative outcomes, that address important societal needs. NSF welcomes novel approaches to educate and nurture early- and/or mid- career faculty, as well as graduate students and post-doctoral fellows, to develop research concepts and questions that are not only transformative but also have the potential to address important societal needs. Proposals should focus on the development of key skills and mindsets that will increase the capacity of participants to identify big opportunities, think creatively, explore novel research formulations, and take intellectual risk.

Jan. 16, 2016

GEO Opportunities for Leadership in Diversity (GOLD) An Idea Lab Activity NSF 16-516

This solicitation describes an Ideas Lab on "GEO Opportunities for Leadership in Diversity." Ideas Labs are intensive workshops focused on finding innovative solutions to grand challenge problems. The ultimate aim of this Ideas Lab, organized by the NSF Directorate for Geosciences (GEO), is to facilitate the design, pilot implementation, and evaluation of innovative professional development curricula that can unleash the potential of geoscientists with interests in broadening participation to become impactful leaders within the community. The expectation is that mixing geoscientists with experts in broadening participation research, behavioral change, social psychology, institutional change management, leadership development research, and pedagogies for professional development will not only engender fresh thinking and innovative approaches for preparing and empowering geoscientists as change agents for increasing diversity, but will also produce experiments that contribute to the research base regarding leader and leadership development. U.S. scientists and educators may submit preliminary proposals only via FastLane as an application to participate in the Ideas Lab, through which a set of multidisciplinary ideas will be developed. Promising approaches developed through the Ideas Lab process will be submitted as full proposals from invited participants.

Preliminary proposal deadline: Feb. 1, 2016. Full proposal deadline: June 2, 2016.

NOAA Great Lakes Habitat Restoration Regional Partnership Grants

Through this solicitation, NOAA seeks to openly compete funding available for multi-year Great Lakes regional habitat restoration partnerships (Partnerships). Partnerships will result in implementation of a wide-range of individual habitat restoration projects focused in U.S. Great Lakes Areas of Concern (AOCs) (<http://www.epa.gov/glnpo/aoc/>) with funds provided by the Great Lakes Restoration Initiative. The Partnership should be flexible related to which AOCs they may work in, and be able to work with NOAA and other federal and state agencies to continue to identify and implement priority projects in targeted AOCs. The Partnership will also need to be able to implement a variety of project types that will contribute to the removal of habitat related Beneficial Use Impairments contributing to delisting of targeted AOCs.

Feb. 2, 2016

2015-2016 Humanities and Arts Research Program - Production (HARP)

The HARP Production program provides funds, when research is complete, to help subsidize the costs of book publication, permissions to use copyrighted materials, CD recording and production, the creation and mounting of exhibits, and other expenses associated with producing the results of a completed creative or research project. A contract from the publisher will be required if funds are being requested to publish a book. Proposals requesting funds to complete text books will not be considered.

5 p.m. Thursday Feb. 4, 2016

Strengthening the Public's and/or K-12 Students' Environmental Literacy for Community Resilience to Extreme Weather Events and Other Environmental Hazards NOAA-SEC-OED-2016-2004737

Projects should build the environmental literacy necessary for community resilience by focusing on geographic awareness and an understanding of Earth systems and the threats and vulnerabilities that are associated with a community's location. In order for communities to become more resilient, their members must have the ability to reason about the ways that human and natural systems function and interact; to understand the scientific process and uncertainty; to reason about the ways that people and places are connected to each other across time and space; and to weigh the potential impacts of their decisions systematically. Projects will be based on the established scientific evidence about current and future natural hazards and stresses facing communities and consider socio-economic and ecological factors. Projects should also (1) leverage and incorporate relevant state and local hazard mitigation and/or adaptation plans and (2) collaborate with institutions that are involved in efforts to develop or implement those plans. Projects may focus on a single type of environmental hazard or a range of hazards that may impact a community or communities. NOAA will consider funding a wide range of project types, but all projects must actively engage participants in learning and addressing real-world issues.

Feb. 8, 2016

Organic Agriculture Research and Extension Initiative USDA-NIFA-ICGP-005517

The OREI seeks to solve critical organic agriculture issues, priorities, or problems through the integration of research, education, and extension activities. The purpose of this program is to fund projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products. Priority concerns include biological, physical, and social sciences, including economics. The OREI is particularly interested in projects that emphasize research, education and outreach that assist farmers and ranchers with whole farm planning by delivering practical research-based information. Projects should plan to deliver applied production information to producers. Fieldwork must be done on certified organic land or on land in transition to organic certification, as appropriate to project goals and objectives. Refer to the USDA National Organic Program (<http://www.ams.usda.gov/nop>) for organic production standards. Visit the NIFA website to access a factsheet on the Center of Excellence (COE) designation process, including COE criteria, and a list of programs offering COE opportunities in fiscal year 2016. You can also review a recording of COE outreach webinars held in February and March of 2015 from the site. The COE webpages will be updated throughout FY 2016 with additional information, such as a summary of comments received from stakeholders.

March 10, 2016

Environmental influences on Child Health Outcomes: Patient reported Outcomes Research Resource Center Core (ECHO PRO Core) (U24)

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for the Environmental influences on Child Health Outcomes (ECHO) Patient Reported Outcomes Research Resource Center Core (ECHO PRO Core). Working collaboratively with the other members of the

ECHO Consortium and the Pediatric Patient Reported Outcomes in Chronic Diseases (PEPR) Consortium (see below), the ECHO PRO Core will conduct research (including development and validation of new instruments) and provide research services and resources to all ECHO Cohort Sites and Centers. The ECHO PRO Core will provide psychometric and medical expertise in the development, selection and use of PROs, child patient reported outcomes (cPROs), and proxy PROs for the evaluation of health and disease in children and other subjects being studied by the ECHO Cohort Sites. This FOA is one of seven companion FOAs that will establish the elements of the ECHO Consortium. Clinical Sites will collect clinical data and specimens from well-characterized participants. A Data Analysis Center (DAC) will oversee data standardization, integration, and storage, and will implement data sharing and computational tools for the integrated analysis of clinical and laboratory data. Overall coordination will be provided by an ECHO Coordinating Center (CC). Awardees will comprise the ECHO Consortium and must work collaboratively to plan and execute a large study to discover and characterize the impact of the environment on child health and disease. The product will be a publically available data resource that will enhance and accelerate subsequent mechanistic research on childhood diseases and conditions affected by environmental influences.

Letter of Intent due March 15, 2016. Application due April 15, 2016.

Fisheries International Cooperation and Assistance Program NOAA-NMFS-FHQ-2016-2004689

The purpose of this notice is to request applications for special projects and programs associated with NMFS Office of International Affairs and Seafood Inspection (IASI) strategic plan and mission goals (<http://www.nmfs.noaa.gov/ia/>), as well as to provide the general public with information and guidelines on how IASI will select proposals and administer discretionary Federal assistance under this National Marine Fisheries Service Fisheries International Cooperation and Assistance Program (FICAP) - FY 2016 Announcement. This program is a mechanism to encourage research, policy, and outreach, innovative projects, or sponsorship that are not addressed through our other competitive discretionary programs. Funding for potential projects in this notice is contingent upon the availability of Fiscal Year 2016 appropriations. Applicants are hereby given notice that funds have not yet been appropriated for any potential activities in this notice. Publication of this announcement does not oblige IASI to review an application, or to award any specific project, or to obligate any available funds.

March 31, 2016

Environmental Influences on Child Health Outcomes (ECHO) Pediatric Cohorts (UG3/UH3)

This Funding Opportunity Announcement (FOA) is soliciting applications to support existing cohorts to address how pre-, peri-, and post-natal environmental exposures impact childhood development and health outcomes as part of the Environmental influences on Child Health Outcomes (ECHO) program. Increasing evidence suggests that exposures early in life (e.g. nicotine, diet, microbiome) can result in health deficits and lead to life-long consequences. The purpose of this FOA is to leverage and build upon existing cohort infrastructure to prospectively investigate the role of early life exposures and underlying biological mechanisms in childhood health and disease. This FOA runs in parallel with companion FOAs that solicit applications for the Coordinating Center (RFA-OD-16-006), Data Analysis Center (RFA-OD-16-005), Patient/Person Reported Outcomes Core (RFA-OD-16-003), Administrative Supplements to the Children's Health Exposure Analysis Resource (PA-16-046), IDeA States Pediatric Clinical Trials Network (RFA-OD-16-002 and RFA-OD-16-001), and a Genetics Core to be released in FY17. Funding for an exploratory UG3 phase will be used for planning, feasibility testing, and developing study documents, including the study protocol and Manual of Procedures. UG3 projects that have met milestones will be administratively considered for transition to the UH3 implementation phase. Applicants responding to this FOA must address objectives for both the UG3 and UH3 phases.

April 15, 2016

National Institute of Food and Agriculture International Wheat Yield Partnership Program

Department of Agriculture USDA-NIFA-AFRI-005515

NIFA aims to support the G20 nations' Wheat Initiative which is committed to coordinate wheat research in the areas of genetics, genomics, physiology, breeding and agronomy internationally. NIFA in coordination with the International Wheat Yield Partnership (IWYP), requests applications to seek breakthroughs for cereal breeding using new technologies and also discoveries that lead to significantly greater grain size, grain set and grain filling duration following embryo formation, in diverse environments, without compromising grain protein concentration in Triticeae species.

May 3, 2016

DE-FOA-0001412: HYDROGEN AND FUEL CELL TECHNOLOGIES RESEARCH, DEVELOPMENT, AND DEMONSTRATIONS

The Fuel Cell Technologies Office (FCTO) is a key component of the Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) portfolio. FCTO aims to provide clean, safe, secure, affordable, and reliable energy from diverse domestic resources, providing the benefits of increased energy security and reduced criteria pollutants and green-house gas emissions by adopting a technology-neutral approach towards applied research, development, and demonstration to address both key technical challenges for fuel cells and hydrogen fuels (i.e. hydrogen production, delivery and storage) and institutional barriers such as hydrogen codes and standards.

Deadline Varies by Area of Interest

Research Coordination Networks (RCN) NS15-527

The goal of the RCN program is to advance a field or create new directions in research or education by supporting groups of investigators 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. RCN awards are not meant to support existing networks; nor are they meant to support the activities of established collaborations. RCN awards do not support primary research. RCN supports the means by which investigators can share information and ideas, coordinate ongoing or planned research activities, foster synthesis and new collaborations, develop community standards, and in other ways advance science and education through communication and sharing of ideas.

Accepted anytime.