

## **ESPP Funding June 15, 2016**

### **OPPORTUNITIES FOR STUDENTS and RECENT GRADUATES**

#### **Rangeland Social Science Post-doctoral Position at Colorado State University**

We are seeking a Postdoctoral Research Associate in the Rangeland Social-Ecological Systems (RSES) Lab in the Department of Forest and Rangeland Stewardship at Colorado State University in Fort Collins, CO, led by Dr. Maria Fernandez-Gimenez. The RSES Lab is a highly productive interdisciplinary group that focuses on rangeland ecological dynamics and the management practices and institutions that support them. Our lab practices transdisciplinary research that engages rangeland users, managers and policy-makers as partners in the research process. The Postdoctoral Research Associate will work with an interdisciplinary team of ecologists and social scientists from the RSES lab, the USDA Agricultural Research Service, the USDA Northern Plains Climate Hub and Texas A&M University to investigate how individual ranchers and a multi-stakeholder group make rangeland and grazing management decisions and the ecological, social and economic outcomes of these decisions. The successful applicant will work with this team to generate a number of publications, gain experience in grant writing, mentor undergraduate students, and help inform the practice of rangeland management through interactions with local stakeholders in Colorado and Wyoming.

*June 26, 2016*

#### **Postdoctoral Research Fellowships in Biology**

The Directorate for Biological Sciences (BIO) awards Postdoctoral Research Fellowships in Biology to recent recipients of the doctoral degree for research and training in selected areas supported by BIO and with special goals for human resource development in biology. The fellowships encourage independence at an early stage of the research career to permit Fellows to pursue their research and training goals in the most appropriate research locations regardless of the availability of funding for the Fellows at that site. For FY 2015 and beyond, these BIO programs are (1) Broadening Participation of Groups Under-represented in Biology, (2) Research Using Biological Collections, and (3) National Plant Genome Initiative (NPGI) Postdoctoral Research Fellowships. These areas change periodically as new scientific and infrastructure opportunities present themselves. For this reason, this solicitation will be changed as necessary to reflect the areas being funded.

*Nov. 1, 2016*

#### **NEUP Fellowship and Scholarship Support DE-OFA-0001487**

The IUP works to attract qualified nuclear science and engineering students (NS&E) to nuclear energy professions by providing undergraduate level scholarships and graduate level fellowships. The fellowships and scholarships are focused on two-, four-year, and graduate programs in science and engineering disciplines related to nuclear energy such as Nuclear Engineering, Mechanical Engineering, Electrical Engineering, Chemistry, Health Physics, Nuclear Materials Science, Radiochemistry, Applied Nuclear Physics, Nuclear Policy, Radiation Protection Technology, Nuclear Power Technology, Nuclear Maintenance Technology, and Nuclear Engineering Technology at Universities and Colleges located in the United States (U.S.).

*Jan. 31, 2012*

### **OPPORTUNITIES FOR FACULTY**

#### **InnovationXchange: The Blue Economy Challenge - Launching a Blue Revolution for Aquaculture**

With the world's population expecting to rise to 9.7 billion by 2050, innovations are crucial to providing animal protein, specifically fish, for many developing countries. As aquaculture farms

supply 58% of fish to global markets, invigorating this sector can contribute to food security, as well as social and economic inclusion for some of the world's poorest people. This challenge aims to find solutions to three important issues of aquaculture: 1) Rethinking feed for aquaculture; 2) New ocean products and; 3) Sustainable design by encouraging innovations that will revolutionize aquaculture in the developing world with a focus on the Indian Ocean region, where transformations in aquaculture can help eradicate poverty, end hunger, and preserve ecosystems.

*June 30, 2016*

### **NASA: ROSES 2016: Physical Oceanography (NNH16ZDA001N-PO)**

This ROSES NASA Research Announcement (NRA) solicits basic and applied research in support of NASA's Science Mission Directorate (SMD). This NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, scientific balloon, sounding rocket, International Space Station, CubeSat and suborbital reusable launch vehicle investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data. International collaboration is permitted, with the exception of collaboration efforts with Chinese partners.

*June 30, 2016*

### **Dear Colleague Letter: FY 2017 Sustainable Chemistry, Engineering, and Materials (SusChEm) Funding Opportunity**

In fiscal year (FY) 2013, NSF started an initiative to encourage and foster research in Sustainable Chemistry, Engineering, and Materials (SusChEM), partially in response to the mandate of the America COMPETES Reauthorization Act of 2010. The SusChEM initiative addresses the interrelated challenges of sustainable supply, engineering, production, and use of chemicals and materials. In FY 2017, the participating divisions are Chemistry (CHE); Chemical, Bioengineering, Environmental, and Transport Systems (CBET); Materials Research (DMR); Earth Science (EAR); and the Materials Engineering and Processing Program in the Division of Civil, Mechanical and Manufacturing Innovation (CMMI).

*Varies.*

### **The CTFS-ForestGEO Research Grants Program**

The Research Grants Program of the Center for Tropical Forest Science - Forest Global Earth Observatory (CTFS-ForestGEO) funds research projects associated with the CTFS-ForestGEO network of Forest Dynamics Sites. The program is intended to provide opportunities for senior researchers, postdoctoral fellows, and graduate students to use existing Forest Dynamics Sites and conduct research in collaboration with scientists currently associated with these sites.

*June 30, 2016*

### **Conservation, Food and Health Foundation grants**

Incorporated in 1985, the Conservation, Food and Health Foundation seeks to promote the conservation of natural resources, improve the production and distribution of food, and improve health in the developing world. The foundation helps build capacity within developing countries in its three areas of interest with grants that support research or projects that solve specific problems. The foundation supports projects that demonstrate strong local leadership; promote professional

development in the conservation, agricultural, and health sciences; develop the capacity of local organizations; and address a particular problem in the field. Preference will be given to projects that address underfunded issues and geographic areas. Grants are awarded in three focus areas: conservation, food, and health.

*Concept applications must be received no later than July 1, 2016. Selected applicants will be invited to submit a full proposal by Sept. 3, 2016.*

### **Feed the Future Innovation Lab for Livestock Systems (LSIL)**

The Feed the Future Livestock Systems Innovation Lab (LSIL) is based at the Institute of Food and Agricultural Sciences, University of Florida and it works in partnership with the International Livestock Research Institute (ILRI). The LSIL is funded by the United States Agency for International Development (USAID) through a five-year Leader with Associates Cooperative Agreement Award No. AID-OAA-L-15-00003. The aim of LSIL is to improve the nutrition, health and incomes of the poor by sustainably increasing livestock productivity and marketing and consumption of animal-source foods. T

*Deadline for submission of Focus grant proposals: July 2, 2016*

### **The Rockefeller Foundation Cassava Innovation Challenge**

The Rockefeller Foundation, Dalberg, and the International Institute of Tropical Agriculture (IITA) have launched The Rockefeller Foundation Cassava Innovation Challenge to address food loss and spoilage in the cassava value chain. Part of The Rockefeller Foundation's YieldWise initiative, the Challenge will provide up to \$1 million, as well as technical assistance from Dalberg and IITA, to further develop novel solutions that increase shelf life.

*July 8, 2016*

### **Feed the Future Ethiopia Livelihoods for Resilience Activity RFA-663-16-000008**

The United States Agency for International Development (USAID) Mission in Ethiopia requests applications from qualified and eligible organizations to manage and implement the Feed the Future Ethiopia Livelihoods for Resilience Activity as described in Section I of this RFA This is a full and open competition, under which any type of organization, large or small, commercial (for profit) firms, faith-based, and non-profit organizations in partnerships or consortia from geographical code 935, are eligible to compete. In accordance with the Federal Grants and Cooperative Agreement Act, USAID encourages competition in order to identify and fund the best possible applications to achieve its program objectives. W

*July 25, 2016*

### **Agriculture and Food Research Initiative: Water for Agriculture Challenge Area USDA-NIFA-AFRI-005822**

This AFRI Challenge Area addresses critical water resources issues such as drought, excess soil moisture, flooding, quality and others in an agricultural context. Funding will be used to develop management practices, technologies, and tools for farmers, ranchers, forest owners and managers, public decision makers, public and private managers, and citizens to improve water resource quantity and quality. The long-term goal of the AFRI Water for Agriculture Challenge Area is to tackle critical water issues by developing both regional systems for the sustainable use and reuse, flow and management of water, and at the watershed and farm scales, water issues focused on production and environmental sustainability efforts.

*Aug. 4, 2016*

### **Origin of Life: A Joint Ideas Lab Activity Between NSF and NASA NSF16-570**

This solicitation describes an Ideas Lab on "Origin of Life." Ideas Labs are intensive workshops focused on finding innovative solutions to grand challenge problems. The ultimate aim of this Ideas Lab organized by the Directorates for Biological Sciences (BIO) and Geosciences (GEO) at the National Science Foundation (NSF), and the Astrobiology Program at the National Aeronautics and

Space Administration is to facilitate the generation and execution of innovative research projects aimed at identifying and funding potentially transformative research to address grand challenge questions in the origin of life. The primary aim of this Ideas Lab is to foster the development of a theoretical framework that encompasses the “metabolism first” and “RNA first” theories for the origin of life by stimulating creative thinking and new research on the earliest events leading to life on early Earth.

*Preliminary proposal due Aug. 5. Full proposal due Dec. 19, 2016.*

### **Funding Opportunity for Partnerships in Food Safety**

Feed the Future Partnering for Innovation with the USAID Bureau of Latin America and the Caribbean is pleased to announce PI-RFA-05, a solicitation for public private partnerships in Latin America and the Caribbean. Successful applicants will enter into a performance-based agreement managed by Partnering for Innovation with partners achieving milestones over the activity period. Stricter requirements for food safety and quality are on the rise as regulatory agencies introduce and revise guidelines related to food production and handling. The impending Food and Drug Administration Food Safety Modernization Act (FSMA) is one example of a regulatory change that urges exporting companies to the United States to review and upgrade select operational procedures aimed at preventing rather than responding to food contamination. With a focus on improving food safety and export readiness in Latin America, Feed the Future Partnering for Innovation with the USAID Bureau of Latin America and the Caribbean requests applications from qualified bidders who are introducing proven technologies or improved agricultural practices in USAID presence countries in Latin America and the Caribbean, with a preference for applications focused on El Salvador, Guatemala, Haiti, and Honduras.

*6 p.m. Aug. 8, 2016*

### **Research in Autism, Intellectual and Other Neurodevelopmental Disabilities (RAIND) Initiative**

The Research in Autism, Intellectual and Neurodevelopmental Disabilities (RAIND) Initiative was created in response to MSU's work as a founding partner in the DOCTRID (Daughters of Charity Research into Disability) Research Institute on autism and intellectual disability, a coalition of 12 Irish universities, MSU, UMass Medical School, and the Daughters of Charity Service in Dublin Ireland. The RAIN Initiative includes two centers: Center on Epidemiology, Diagnosis and Assessment, and the Center on Evidence-Based Interventions Across the Life Span. In addition to the two centers, RAIN has an internal seed grant program designed to stimulate multidisciplinary projects across MSU colleges, and a seminar series that provides ongoing professional development opportunities for the more than 50 faculty and numerous post-doctoral research associates who are currently associated with the RAIN Initiative. Included in this round is THEME 5: Family, Societal and Environmental Issues.

*Aug. 15, 2016*

### **Agriculture and Food Research Initiative: Foundation Program USDA-NIFA-AFRI-005843**

The AFRI Foundational Program is offered to support grants in the six AFRI priority areas to continue building a foundation of knowledge critical for solving current and future societal challenges. The six priority areas are: Plant Health and Production and Plant Products; Animal Health and Production and Animal Products; Food Safety, Nutrition, and Health; Bioenergy, Natural Resources, and Environment; Agriculture Systems and Technology; and Agriculture Economics and Rural Communities. Single-function Research Projects, multi-function Integrated Projects, and Food and Agricultural Science Enhancement (FASE) Grants are expected to address one of the Program Area Priorities (see Foundational Program RFA for details).

*Aug. 31, 2016*

### **USAID's Biodiversity Annual Program Statement Agency for International Development South Sudan APS-668-16-000001**

The purpose of this APS is to build foundations for conservation, anti-trafficking, land and natural

resource management, conflict mitigation, and security, and will enhance women and youth with livelihoods and economic opportunities, through fishing, vegetable gardening and small scale microenterprise activities to disengage them from wildlife poaching. The program will also support pilot community conservancies

*Sept. 26, 2016*

### **ERA-CAPS: Europe-USA Call for Strengthening Transnational Research in the Molecular Plant Sciences**

The ERA-NET Coordinating Action in Plant Sciences (ERA-CAPS) will issue its third Transnational Call for Proposals for Collaborative Research Projects on June 23rd, 2016. The objective of this call is to stimulate true collaboration between research teams of different countries in order to achieve the highest quality projects, to increase synergies between national programs and to strengthen international research in molecular plant sciences. The funding partners agree that this unifying approach is a fundamental prerequisite to maximize the utility of the limited resources available and to meet the European and global demand for molecular plant science innovation with a long-term perspective.

*2016-09-28*

### **DoD Tick-Borne Disease Idea Award W81XWH-16-TBDRP-IA**

The FY16 TBDRP Idea Award promotes new ideas that represent innovative approaches to Lyme disease and other tick-borne disease research and have the potential to make an important contribution to the TBDRP mission. This award funds conceptually innovative, high-risk/ potentially high-reward research in the early stages of development that could lead to critical discoveries or major advancements that will accelerate progress in improving outcomes for individuals affected by Lyme disease and/or other tick-borne illnesses. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale that is established through logical reasoning and/or critical review and analysis of the literature.

*Nov. 16, 2016*

### **Developing Country Collaborations in Plant Genome Research (CDD-PGR) NSF04-563**

The intent of DCC-PGR awards is to support collaborative research linking US researchers with partners from developing countries to solve problems of mutual interest in agriculture, energy and the environment, while placing US and international researchers at the center of a global network of scientific excellence. The long-term goal of these collaborative research efforts is a greater and sustained engagement with developing countries in plant biotechnology research. In order to realize the full potential of biotechnology for the developing world, the technology must target crops grown locally in the developing countries and the traits that are most relevant to the local farmers and consumers.

*None.*