

Grants Opportunities: Education (13)

Dec. 2014 - March 2015

Science, Technology, Engineering & Mathematics (STEM) Education, Outreach, and Workforce Program

Granting Agency: Department of Defense

Current Closing Date: This announcement will remain open until 30 September, 2015 or until replaced by a successor FOA or BAA, whichever first occurs. It is expected that white paper pre-proposals will be accepted through 28 February, 2015, unless the program schedule is altered by budgetary irregularities or available funding is exhausted. Proposals are considered as they arrive and successful applications are funded on a rolling basis. Therefore, Offerors are encouraged to submit early in the cycle as there is no guarantee of available program funding. Full proposals must be considered under the same FOA as submitted white papers, and therefore, invited full proposals based on white papers submitted by 30 April, 2015 may be accepted until the close of this announcement.

Expected Number of Awards: N/A

Eligibility: All responsible sources from academia, the nonprofit sector, and industry may submit proposals under this FOA. Federally Funded Research & Development Centers (FFRDCs), including Department of Energy National Laboratories, are not eligible to receive awards under this FOA. However, teaming arrangements between FFRDCs and eligible principal bidders are allowed so long as they are permitted under the sponsoring agreement between the Government and the specific FFRDC. DoN laboratories and warfare centers as well as other Department of Defense and civilian agency laboratories are also not eligible to receive awards under this FOA and should not directly submit either white papers or full proposals in response to this FOA. If any such organization is interested in the program described herein, the organization should contact ONR STEM Program Office, onr_stem@navy.mil, to discuss potential projects. As with FFRDCs, these types of Federal organizations may team with other responsible sources from academia, non-profits, and industry that are submitting proposals under this FOA. University Affiliated Research Centers (UARC) are eligible to submit proposals under this FOA unless precluded from doing so by their Department of Defense UARC contracts.

Estimated Total Program Funding: N/A

CFDA Number: 12.330

Funding Opportunity Number: ONR-15-FOA-0002

The ONR seeks proposals for developing innovative solutions that directly support the development and maintenance of a robust STEM workforce. The goal of any proposed effort should be to provide "game changing" solutions that will establish and maintain a diverse pipeline of U.S. citizens who are interested in uniformed or civilian DoN (or Navy and Marine Corps) STEM related workforce opportunities. While this announcement is relevant for any stage of the STEM pipeline, for FY15, funding efforts will be targeted primarily towards High

School, Post-Secondary education, and outreach designed to enhance the DoN (or Naval) STEM workforce and its mission readiness. Emphasis will be given both to key engineering and scientific areas outlined in the Naval S&T Strategic Plan such as our National Naval Responsibilities (see ONR website), and to identified STEM related workforce gaps and new strategic goals on the uniformed and civilian side. The FULL ANNOUNCEMENT is available on the Grants.gov website.

Research Interests of the Air Force Office of Scientific Research

Granting Agency: Department of Defense

Current Closing Date: This BAA is open until Superseded.

Expected Number of Awards: N/A

Eligibility: Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education; Small businesses; For profit organizations other than small businesses; Private institutions of higher education; Public and State controlled institutions of higher education

Estimated Total Program Funding: N/A

CFDA Number: 12.800

Funding Opportunity Number: BAA-AFOSR-2014-0001

AFOSR plans, coordinates, and executes the Air Force Research Laboratory's (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in five scientific Departments: Dynamical Systems and Control (RTA), Quantum and Non-Equilibrium Processes (RTB), Information, Decision and Complex Networks (RTC), Complex Materials and Devices (RTD), and Energy, Power and Propulsion (RTE).

Chemistry Research Experiences for Undergraduates

Granting Agency: National Science Foundation

Current Closing Date: For more detailed information on the NSF-wide REU program, please see the REU program solicitation: NSF 13-542 (which replaces NSF 12-569 which has been archived and referred to by PD-08-1986).

Expected Number of Awards: 0

Eligibility: Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Estimated Total Program Funding: \$0

CFDA Number: 47.049

Funding Opportunity Number: PD-08-1986

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National

Science Foundation. The NSF Division of Chemistry funds about 20-25 REU Sites a year (depending on the availability of funds) as part of the NSF-wide REU activity. Projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. The REU program features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements. Undergraduate student participants in either Sites or Supplements must be citizens or permanent residents of the United States or its possessions. Students may not apply to NSF to participate in REU activities. Students apply directly to REU Sites and should consult the directory of active REU Sites on the Web at

http://www.nsf.gov/crssprgm/reu/reu_search.cfm. For more detailed information on the NSF-wide REU program, please see the REU program solicitation: NSF 07-569

For more information, go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503210

NSF/FDA SCHOLAR-IN-RESIDENCE AT FDA

Granting Agency: National Science Foundation

Current Closing Date: Proposals accepted anytime

Expected Number of Awards: 10

Eligibility: Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Estimated Total Program Funding: \$500,000

CFDA Number: 47.041. 47.070,

Funding Opportunity Number: 10-533

The National Science Foundation (NSF), through the Directorate for Engineering's Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET), and the U.S. Food and Drug Administration (FDA), through its Center for Devices and Radiological Health (CDRH) have established the NSF/FDA Scholar-in-Residence Program at FDA. This program comprises an interagency partnership for the investigation of scientific and engineering issues concerning emerging trends in medical device technology. This partnership is designed to enable investigators in science, engineering, and mathematics to develop research collaborations within the intramural research environment at the FDA. This solicitation features four flexible mechanisms for support of research at the FDA: 1) Faculty at FDA; 2) Graduate Student Fellowships; 3) Postdoctoral Fellowships; and, 4) Undergraduate Student Research Experiences. Undergraduate student participants supported with NSF funds must be citizens or permanent residents of the United States. **For more information, go to:**

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf10533

Arch - Doctoral Dissertation Research Improvement Awards

Granting Agency: National Science Foundation

Current Closing Date: Full Proposal Deadline(s) (due by 5 p.m. proposer's local time):

Proposals Accepted Anytime

Expected Number of Awards: 50

Eligibility: *Who May Submit Proposals: Proposals may only be submitted by the following: - Universities and Colleges - Ph.D. granting universities and colleges accredited in, and having a campus located in, the US acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *Who May Serve as PI: DDRI proposals must be submitted with a principal investigator (PI) and a co-principal investigator (co-PI) who is the dissertation student. The PI must be the advisor of the doctoral student or another faculty member at the U.S. university where the doctoral student is enrolled.

Estimated Total Program Funding: \$1,200,000

CFDA Number: 47.075

Funding Opportunity Number: 14-566

The Archaeology Program supports anthropologically relevant archaeological research. This means that the value of the proposed research can be justified within an anthropological context. The Program sets no priorities by either geographic region or time period. It also has no priorities in regard to theoretical orientation or question and it is the responsibility of the applicant to explain convincingly why these are significant and have the potential to contribute to anthropological knowledge. While the Program, in order to encourage innovative research, neither limits nor defines specific categories of research type, most applications either request funds for field research and/or the analysis of archaeological material through multiple approaches. The Program also supports methodological projects which develop analytic techniques of potential archaeological value. **For more information, go to:**

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14566

Grant Opportunities for Academic Liaison with Industry

Granting Agency: National Science Foundation

Current Closing Date: Proposals Accepted Anytime. Please discuss with the appropriate disciplinary program office prior to submitting a request for supplemental funding and to obtain information about current deadline dates.

Expected Number of Awards: 80

Eligibility: For fellowships/traineeships, only U.S. citizens, nationals, or permanent residents are eligible to apply for support under this program. NSF funds cannot go to an industry partner; they can only be used by the academic institution. The industry partner is expected to participate in the research effort to facilitate in the commercialization of the research.

Estimated Total Program Funding: \$5,000,000

CFDA Number: 47.041, 47.049, 47.050, 47.070, 47.074, 47.075, 47.076, 47.078, 47.079, 47.080, 47.081,

Funding Opportunity Number: 12-588

Grant Opportunities for Academic Liaison with Industry (GOALI) promotes university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for: Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; Industrial scientists and engineers to bring industry's perspective and integrative skills to academe; and Interdisciplinary university-industry teams to conduct research projects. This solicitation targets high-risk/high-gain research with a focus on fundamental research, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs, and direct transfer of new knowledge between academe and industry. GOALI seeks to fund transformative research that lies beyond that which industry would normally fund. **For more information, go to:**

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12513

Conferences and Workshops in the Mathematical Sciences

Granting Agency: National Science Foundation

Current Closing Date: Proposals must be submitted in accordance with the due date for the appropriate disciplinary program.

Expected Number of Awards: 100

Eligibility: Non-profit, non-academic organizations: Independent museums, observatories, research labs, professional societies and similar organizations in the U.S. associated with educational or research activities. -Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions.

Estimated Total Program Funding: \$4,000,000

CFDA Number: 47.049

Funding Opportunity Number: 10-578

Conferences, workshops, and related events (including seasonal schools and international travel by groups) support research and training activities of the mathematical sciences community. Proposals for conferences, workshops, or conference-like activities may request funding of any amount and for durations of up to three years. Proposals under this solicitation must be submitted to the appropriate DMS programs at the deadline specified on the program webpage. **For more information, go to:** http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf10578

Science of Learning Centers

Granting Agency: National Science Foundation

Current Closing Date: Due Date - Full Proposal Accepted Anytime The Science of Learning Centers Program is currently only accepting proposals for Workshops, EARly-concept Grants for Exploratory Research (EAGER), Rapid Response Grants (RAPID), and Supplements to NSF awards (including those funded by other programs). PIs must contact the NSF program officer prior to submission of an EAGER or RAPID proposal.

Expected Number of Awards: 15

Eligibility: Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Estimated Total Program Funding: \$3,000,000

CFDA Number: 47.041, 47.049, 47.050, 47.070, 47.074, 47.075, 47.076, 47.078, 47.079, 47.080, 47.081

Funding Opportunity Number: PD-07-7278

The Science of Learning Centers program (SLC) offers awards for large-scale, long-term Centers that create the intellectual, organizational and physical infrastructure needed for the long-term advancement of Science of Learning research. It supports research that harnesses and integrates knowledge across multiple disciplines to create a common groundwork of conceptualization, experimentation and explanation that anchor new lines of thinking and inquiry towards a deeper understanding of learning. The goals of the Science of Learning Centers Program are to advance the frontiers of all the sciences of learning through integrated research; to connect the research to specific scientific, technological, educational, and workforce challenges; to enable research communities to capitalize on new opportunities and discoveries; and to respond to new challenges. The SLC Program construes learning broadly, including that of animals, humans and machines. The program is open to many possible approaches and topics that can be brought to examine what learning is, how it is affected, how it works at different levels, how biologically-derived learning principles can inform artificial systems and vice versa. The Program places high value on creativity, integration of theoretical and empirical work, innovative models of research and research transfer, and inventive uses of technology. Science of Learning Centers are built around a unifying research focus and incorporate a diverse, multidisciplinary environment involving appropriate partnerships with academia, industry, all levels of education, and other public and private entities. Catalyst awards were made during the initial years of the program. Catalyst awards are designed to enable partnership-building and research activities that facilitate interdisciplinary approaches to questions that require multiple areas of expertise. There are currently no SLC Centers or Catalyst competitions. However, the Science of Learning Centers Program is currently accepting proposals for Workshops, EARly-concept Grants for Exploratory Research (EAGER), Rapid Response Grants (RAPID), and Supplements to NSF awards (including those funded by other programs). Please see the submission guidelines for these special types of grants under the RELATED URLS section of this program description and contact the SLC program officers for assistance and advice prior to proposal submission.

For more information, go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5567

OSERS-OSEP: Personnel Development to Improve Services and Results for Children with Disabilities: Personnel Preparation in Special Education, Early Intervention, and

Related Services Focus Area A CFDA Number 84.325K-1

Granting Agency: Department of Education

Current Closing Date for Applications: Dec 5, 2014 Applications Available: October 22, 2014. The Office of Special Education Programs (OSEP) will conduct an informational teleconference to explain the programmatic, application, and administrative requirements. There will be an opportunity for interested applicants to ask questions about the requirements and the application submission process. The teleconference will be approximately one hour long. The informational teleconference will be held on Thursday, November 6th, 2014 at 1:00 p.m. EST. The Conference Number is 1-877-512-6886 and the Conference ID is 8613019655. The teleconference can also be accessed at the following URL: <http://tadnet.adobeconnect.com/osep/> Please contact Maryann McDermott, 202-245-7439, maryann.mcdermott@ed.gov or Sarah Allen, 202-245-7875, sarah.allen@ed.gov by November 3, 2014 but no later than 12:00 p.m. EDT on the day of the teleconference to request a copy of the materials that will be presented during the call. Deadline for Transmittal of Applications: December 5, 2014.

Expected Number of Awards: 6

Eligibility: Public and State controlled institutions of higher education, Private institutions of higher education, Others (see text field entitled "Additional Information on Eligibility" for clarification), Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education, Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education

Estimated Total Program Funding: \$1,500,000

CFDA Number: 84.325 -- Special Education - Personnel Development to Improve Services and Results for Children with Disabilities

Funding Opportunity Number: ED-GRANTS-102214-002

Each funding opportunity description is a synopsis of information in the Federal Register application notice. For specific information about eligibility, please see the official application notice. The official version of this document is the document published in the Federal Register. Free Internet access to the official edition of the Federal Register and the Code of Federal Regulations is available on GPO Access at: <http://www.access.gpo.gov/nara/index.html>. Please review the official application notice for pre-application and application requirements, application submission information, performance measures, priorities and program contact information. Purpose of Program: The purposes of this program are to (1) help address State-identified needs for personnel preparation in special education, early intervention, related services, and regular education to work with children, including infants and toddlers, with disabilities; and (2) ensure that those personnel have the necessary skills and knowledge, derived from practices that have been determined through scientifically based research and experience, to be successful in serving those children. Catalog of Federal Domestic Assistance (CFDA) Number: 84.325K. Applications for grants under the Personnel Preparation in Special Education, Early Intervention, and Related Services competition, CFDA number 84.325K, must be submitted electronically using the Governmentwide Grants.gov Apply site at www.Grants.gov. Through this site, you will be able to download a copy of the application package, complete it offline, and then upload and submit your application. You may not email an electronic copy of a grant application to us. You may access the electronic grant application for the Personnel

Preparation in Special Education, Early Intervention, and Related Services competition at www.Grants.gov. You must search for the downloadable application package for this program by the CFDA number. Do not include the CFDA number's alpha suffix in your search (e.g., search for 84.325, not 84.325K).

FY 2015 Study of the U.S. Institutes for Student Leaders on U.S. History and Government

Granting Agency: Bureau of Educational and Cultural Affairs

Current Closing Date for Applications: Dec 8, 2014

Expected Number of Awards:

Eligibility: Others (see text field entitled "Additional Information on Eligibility" for clarification), Private institutions of higher education, Public and State controlled institutions of higher education, Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education

Estimated Total Program Funding: \$960,000

CFDA Number: 19.009 -- Academic Exchange Programs - Undergraduate Programs

Funding Opportunity Number: ECA-ECAAE-15-010

The Study of the U. S. Branch, Office of Academic Exchange Programs, Bureau of Educational and Cultural Affairs (ECA), invites proposal submissions for the design and implementation of four (4) Study of the U.S. Institutes for Student Leaders on U.S. History and Government, pending the availability of FY 2015 funds. The Institutes will target student leaders from the Western Hemisphere: three Institutes will be conducted entirely in Spanish, and one Institute will be conducted in English. Each academic Institute will be five weeks in duration, approximately four weeks at an academic institution and approximately one week on an integrated educational study tour, and should be organized for a group of 20 undergraduate students from mostly indigenous, Afro-Latino, and underserved communities in the Western Hemisphere. More information on participants and country groupings can be found in Section I. 5 of the RFGP. All Institutes should focus on U.S. history, government, society, and culture. More information on the Institutes theme can be found in Section I. 4 of the RFGP. Applicants may submit only one proposal to design, implement and/or monitor all four Institutes under this competition. If multiple proposals are received from the same applicant, all submissions will be declared ineligible and receive no further consideration in the review process. **For more information, go to:** <https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=50178>

FY15 Nancy Foster Scholarship Program

Granting Agency: Department of Commerce

Current Closing Date for Applications: Dec 10, 2014

Expected Number of Awards: 4

Eligibility: Individuals

Estimated Total Program Funding: \$500,000

CFDA Number: 11.429 -- Marine Sanctuary Program

Funding Opportunity Number: NOAA-NOS-NMS-2015-2004240

The Dr. Nancy Foster Scholarship Program provides support for independent graduate-level studies in oceanography, marine biology, or maritime archaeology (including all science, engineering, social science and resource management of ocean and coastal areas), and particularly encourages women and minorities to apply. Individuals who are U.S. citizens and are applying to or have been accepted to a graduate program at a U.S. accredited institution may apply. Prospective scholars do not need to be enrolled in a graduate program at the time of application, but must be admitted to a graduate level program in order to be awarded this scholarship. Scholarship selections are based on academic excellence, letters of recommendations, research and career goals, and financial need. Applicants must have a cumulative 3.3 grade point average to be eligible to apply and maintain a minimum cumulative and term grade point average of 3.3 for every term and for the duration of their award. Dr. Nancy Foster Scholarships may provide, subject to appropriations, yearly support of up to \$42,000 per student (a 12-month stipend of \$30,000 in addition to an education allowance of up to \$12,000), and up to \$10,000 of support for a 4-6 week program collaboration at a NOAA facility. Completion of one (1) program collaboration is required for every Doctoral scholarship award, with a second recommended, but not required. For Master's degree level scholars, completion of a program collaboration is strongly recommended, but is not required. Dr. Nancy Foster Scholarship Program recipients will be required to participate in a mandatory NOAA Orientation Training to meet with NOAA Office of National Marine Sanctuaries staff at a date and location to be determined during the month of either the end of July or beginning of August, 2015. If scholarships have not been awarded before this training, recipients may be required to incur pre-award costs that will be reimbursed after award funds have been issued. As a recipient of the Dr. Nancy Foster Scholarship, you become a recognized member of the NOAA community. NOAA provides significant financial resources to help you pursue your independent graduate studies, as well as the staff expertise to assist you with your research along the way. All Dr. Nancy Foster Scholarship Program recipients must put together a 3-5 minute video that communicates their scientific research in a way that the average viewer can understand it, as well as see why it matters to them. A camera with photo and video capabilities, along with guidelines, a storyboard and appropriate training will be provided to all Foster Scholars. The program collaboration opportunity is designed to allow scholars to participate in research or other activities for four to six weeks at a field office of the National Marine Sanctuary System, or other NOAA program offices. Federal support for the program collaboration may be used toward allowable costs such as: travel to and from the NOAA facility, housing, per diem, laboratory costs, research vessel support, and consumables while conducting research at the NOAA facility. Scholars are required to provide their own health insurance coverage during the program collaboration. Master's degree level scholars must identify their program collaboration in the first year, and Doctoral scholars must identify their program collaboration within the first two years. Approval from the NOAA Office of National Marine Sanctuaries is required prior to embarking on the program collaboration. Additional information about the scholarship can be obtained in the full announcement text of the Federal Funding Opportunity. **For more information, go to:** Kate Thompson N/ORM6 SSMC 4 11th Floor RM 11146 1305 East-West Highway Silver Spring, MD 20910-3282 (301) 713-7245

Forensic Science Center of Excellence Program

Granting Agency: National Institute of Standards and Technology

Current Closing Date for Applications: Dec 11, 2014

Expected Number of Awards: 1

Eligibility: Accredited institutions of higher education, non-profit organizations, and commercial organizations that are organized and operated in the United States and its territories. An eligible organization may work individually or include proposed sub recipients, contractors and/or unfunded collaborators in a project application, effectively forming a team or consortium. An organization may only serve as the lead organization on one application. In a team or consortium structure, eligible sub recipients are U.S. non-profit organizations, accredited institutions of higher education, commercial organizations, and State, Tribal, and local governments. Federal agencies may participate in projects but may not receive NIST funding.

Estimated Total Program Funding: \$3,525,000

CFDA Number: 11.619 -- Arrangements for Interdisciplinary Research Infrastructure

Funding Opportunity Number: 2014-NIST-FS-COE-01

NIST is soliciting applications to establish a Forensic Science Center of Excellence (COE) in which NIST researchers collaborate with interdisciplinary researchers from academia and industry for the wide-spread adoption of probabilistic methods within the forensic science community, specifically in the areas of pattern evidence and digital evidence, by developing the necessary analytical methods, creating a suitable education and training infrastructure in probabilistic methods for the relevant stakeholders, and engaging the forensic science community to promote competence building. **For more information, go to:**

<http://www.nist.gov/coe/forensics/upload/ForensicScienceFFO.pdf>

FY 2015 Youth Leadership Program: TechGirls

Granting Agency: Bureau of Educational and Cultural Affairs

Current Closing Date for Applications: Jan 1, 2015

Expected Number of Awards: 1

Eligibility: Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education, Private institutions of higher education, Public and State controlled institutions of higher education

Estimated Total Program Funding: \$570,000

CFDA Number: 19.415 -- Professional and Cultural Exchange Programs - Citizen Exchanges

Funding Opportunity Number: ECA-ECAPEC-15-001

The Office of Citizen Exchanges, Youth Programs Division, of the Bureau of Educational and Cultural Affairs announces an open competition for the FY 2015 TechGirls program under the Youth Leadership Program model. Public and private non-profit organizations meeting the provisions described in Internal Revenue Code section 26 USC 501(c)(3) may submit proposals to conduct a three- to four-week exchange program in the United States in summer 2015 for high school girls from the Middle East and North Africa focused on promoting high-level study of

technology. U.S. Embassies in the participating countries and territories will recruit, screen, and select the participants. The program will provide an exchange of academic study of applied technology for girls who already have a demonstrated aptitude and strong interest in the subject, will empower girls to pursue higher education and careers in technology, and will support activities in the participants' home countries that are designed to reinforce and support the skills and linkages acquired during the U.S. program. It is the Bureau's intent to award a cooperative agreement for one base year plus two option years for an estimated total amount of \$570,000.

For more information, go to: <http://eca.state.gov/>