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NSF Dear Colleague Letters

Request for Information on Mid-scale Research Infrastructure DUE December 8 Faculty, NSF want to receive information about mid-scale instrumentation / infrastructure needs. Respond by December 8.

Education Research

NSF Graduate Research Traineeship (NRT) NSF DUE LOI November 27 – December 6; Full Proposal February 6. The NRT program seeks proposals that explore ways for graduate students in research-based master’s and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The program is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. For FY2018, proposals are requested in any interdisciplinary research theme of national priority, with special emphasis on two high priority areas: (1) Harnessing the Data Revolution (HDR) and (2) Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS).

Improving Undergraduate STEM Education; Education and Human Resources (IUSE-EHR) – NSF. DUE December 12. The IUSE-EHR program supports exploration and design for engaged student learning and institution and community transformation.

Graduate Fellowships – Coastal Management – NOAA DUE January and February.

Environmental & Life Sciences

Investigator-Initiated Research Projects (MCB) – Division of Molecular and Cellular Biosciences NSF. DUE November 20 MCB is soliciting proposals in four core clusters:
1. Cellular Dynamics and Function
2. Genetic Mechanisms
3. Molecular Biophysics
4. Systems and Synthetic Biology

Facilities Improvements, Communications, and Equipment at Biological Field Stations and Marine Laboratories (FSML) – NSF. DUE December 8. FSMLs support environmental and basic biological research and education by preserving access to study areas and organisms, by providing facilities and equipment in close proximity to those study areas, and by fostering an atmosphere of mutual scientific interest and collaboration in research and education. To fulfill these roles, FSMLs must offer modern research and educational facilities, equipment, communications and data management for a broad array of users. In recognition of the importance of FSMLs in modern biology, NSF invites proposals that address these general goals of FSML improvement.
Basic Biological Research Grants – Whitehall Foundation DUE January 15 Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as on the competence of the applicant. Research grants of up to three years will be provided. A renewal grant with a maximum of two years is possible, but it will be awarded on a competitive basis. Research grants will not be awarded to investigators who have already received, or expect to receive, substantial support from other sources, even if it is for an unrelated purpose. Research grants normally range from $30,000 to $75,000 per year.

Supplemental Support: Summer Research Experiences for Students and Science Teachers – NIH. DUE January 31 If you have an active R01, R21, R15 you can apply for supplementary support from the National Institute of Environmental Health Sciences to support summer research experiences in environmental health science for high school students, college undergraduates, master’s degree candidates, medical students, secondary school science teachers, and science professors from R15/AREA grant eligible institutions. Administrative supplements must support work within the scope of the original project.

Humanities & Fine Arts

Collaborative Research Grant – NEH DUE December 6 Supports groups of two or more scholars on projects that propose tangible and sustainable outcomes (i.e., co-authored or multi-authored books; born digital publications; themed issues of peer-reviewed journals; and more.

Scholarly Editions and Translations – NEH DUE December 6. Projects must be undertaken by at least one editor or translator and one other collaborating scholar. These grants support full-time or part-time activities for periods of one to three years.

Visiting Research Fellowship Kroc Institute for International Peace Studies University of Notre Dame. DUE December 11. Focus areas:
- Gender and Conflict/Peacebuilding
- Conflict-related Migration and Diaspora Communities
- Peace Studies with a geographical focus on South and/or East Asia
- Peace Studies (open)

Multiple Fellowships – New York Historical Society DUE January 8. The New York Historical Society library is a resource to inform humanities scholarship. The society has received generous support (from the NEH, Andrew Mellon and other named fellowship opportunities) that it currently offers multiple sources of support to engage in its materials and resources.

Public Humanities Projects – NEH DUE January 10. Request support to engage in community conversations with a wider public on a humanities topic; permanent exhibitions or traveling; or, interpretations on historic places (regions, neighborhoods).

Humanities Initiatives at Community Colleges – NEH. DUE January 16 The program funds collaborative projects in the humanities between the applicant institution and another
Funding Opportunities for Arts & Sciences

institution, such as a college or university, in curricular and faculty development projects that help strengthen humanities programs and/or incorporate humanistic approaches in fields outside the humanities.


Physical Sciences

Summer Faculty Fellowship Program – U.S. Airforce DUE Currently Open Inviting mathematicians, physicists, engineers. Research areas and tips for applying

Mathematical Sciences Infrastructure Program – NSF DUE December 6 The major aim of the DMS Infrastructure Program is to foster the continuing health of the mathematical sciences research community as a whole. Proposals must clearly identify:

- the goals to be achieved;
- the specific new activities to be conducted, the way in which these address the goals, and the way in which the activities significantly differ from or enhance common practice;
- measurable proposed outcomes for the project;
- specific methods for evaluation of the success of the activity and for assessment of progress toward the goals to be achieved, and
- a budget commensurate with the proposed activity.

Division of Physics: Investigator-Initiated Research Projects (PHY) – NSF DUE December 7 This solicitation covers three possible award types:

- individual investigator and group awards with standard time cycles
- midscale instrumentation; and
- awards that anticipate long-term support.

Elementary Particle Physics – Theory – NSF DUE December 7 Particle Astrophysics and Cosmology - Theory; Quantum Information Science. Proposals in mathematical physics that are relevant for string theory and/or quantum field theory are also relevant for this program.

Social & Behavioral Sciences

Research on the Science and Technology Enterprise: Statistics and Surveys - R&D, U.S. S&T Competitiveness, STEM Education, S&T Workforce – NCSES NSF, DUE January 15. Standard grants. The NCSES welcomes efforts by the research community to use NCSES data for research on the science and technology enterprise, to develop improved survey methodologies for NCSES surveys, to create and improve indicators of S&T activities and resources, and strengthen methodologies to analyze and disseminate S&T statistical data. To that end, NCSES invites proposals for individual or multi-investigator research projects,
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doctoral dissertation improvement awards, workshops, experimental research, survey research
and data collection and dissemination projects under its program for Research on the Science
and Technology Enterprise: Statistics and Surveys.

**Developmental Sciences (DS) – NSF. DUE January 16** DS supports basic research that
increases our understanding of cognitive, linguistic, social, cultural, and biological processes
related to human development across the lifespan. The budgets and durations of supported
projects vary widely and are greatly influenced by the nature of the project. Investigators should
focus on innovative, potentially transformative research plans and then develop a budget to
support those activities, rather than starting with a budget number and working up to that
value.

**Cultural Anthropology – NSF DUE January 16** Both senior proposals and the faculty scholars
program are active.

**Political Science – NSF DUE January 16** Supports scientific, theoretically-driven research
that advances knowledge and understanding of citizenship, government, and politics.

**Social Psychology – NSF DUE January 16** The Social Psychology Program at NSF supports
basic research on human social behavior, including cultural differences and development over
the lifespan.

**Economics – NSF. DUE January 18.** Individual or multi-investigator (collaborative) research
projects are welcome to improve understanding and processes of almost every area of
economics.

**Grants for Early Scholar Investigators**

**Organic Farming Research Foundation. DUE December 15.** Open to early research faculty to
support agricultural research in certified organic settings. Collaborate with farmers!

**Seed Grant American Tinnitus Association. DUE December 15.** Support is available to early
innovative researchers.

**Waste Management/Minimization – Environmental Research & Education Foundation.
Preproposal DUE January 6.** Open to junior faculty, it is imperative to discuss topics with
the Foundation in advance of submitting the pre proposal. Invitation to submit a full proposal
will meet greater success if early engagement with the Foundation is made.

**Biological Research Grants-in-Aid – Whitehall Foundation DUE January 15.** Assistant
Professors request support for innovative research projects.

**Ralph E. Powe Junior Faculty Enhancement Awards. Application appears to be open** for
faculty in life sciences, mathematics, and physical sciences. Be sure to consult with ECU ORAU
Member Councilor Dr. Jeffery Shinpaugh, Chair of Physics.
Funding Opportunities for Arts & Sciences

Anticipated & Upcoming Opportunities

Research and Development - Violence Against Women – NIJ Expected Release of official announcement DEC/JAN.

Office of Postsecondary Education – US Department of Education Expected Release of an official announcement DEC/JAN/FEB.

National Estuarine Research Reserve System - Office for Coastal Management – NOAA DUE February 1

Low-cost, Short-duration Evaluation of Education Interventions and Special Education Interventions - IES Research and Training Grant Programs – LOI DUE January 11; Application available January 11.

Webinars

NSF Engineering for Civil Infrastructure Webinar December 6 Registration is required for this webinar; interested participants must register via WebEx. The registration deadline is November 30, 2017.

Proposals Accepted at Any Time

Democracy Small Grants Program General Competition – U.S. Embassy Ukraine. This program supports projects that foster the development and education of civil society in Ukraine. It is a focused yet flexible mechanism that provides seed money for unique and sustainable projects, particularly projects that help develop the capacity and sustainability of non-governmental organizations in Ukraine.

Alfred P. Sloan Grant Application Process – LOI – no unsolicited proposals. Read tips for writing a successful grant proposal

High-Risk Research in Biological Anthropology and Archaeology – NSF. This program gives small awards that provide investigators with the opportunity to assess the feasibility of an anthropological research project. The information gathered may then be used as the basis for preparing a more fully developed research program. Projects which face severe time constraints because of transient phenomena or access to materials may also be considered.

Hydrologic Sciences Program – NSF supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components. The Hydrologic Sciences Program retains a strong focus on linking fluxes of water and the components carried by water across boundaries between various interacting facets of the terrestrial system and the mechanisms by which these fluxes co-organize over a variety of timescales and/or alter fundamentals of water cycle interactions within the terrestrial system. The Program is also interested in how water...
interacts with the landscape and the ecosystem as well as how the water cycle and its coupled processes are altered by land use and climate

**Increase Higher Education Attainment – Lumina Foundation** – LOI Year Round. Check out the [Grant Database](https://www.luminafoundation.org) Lumina’s strategic goal is to increase higher education attainment in the United States 60% by 2025. Proposed work on student access and institutional success should be focused on attainment.

**National Energy Technology – DOE.** The sponsor considers proposals in all areas of energy and energy-related research and development with an emphasis on long-term, high-risk, high-payoff technologies. Any individual or organization may apply. In most cases the sponsor will fully fund the early phases of basic research and development, but subsequent commercialization phases will require cost sharing or cost participation.

**Veterans’ Employment and Training – Stand Down Grant Award** – Department of Labor. A Stand Down is a local community event where homeless veterans are provided a wide variety of jobs placement services, training, and incentives. Stand Down funding is provided in the form of non-competitive grants that are awarded on a first-come, first-served basis until available funding is exhausted.

**Supplemental Support**

**Administrative Supplements to Existing NIH Grants and Cooperative Agreements**

Admin Suppl. can only be awarded to active NIH grants. Grants in NCE status are not eligible. Due dates may vary by awarding IC.

**Other**

**NIH Loan Repayment Programs – the nuts and bolts** Let’s plan for next year. Intramural/Extramural support. ECU applies to support the repayment of educational loans of its investigators.

**NIH Success Rates** – Review the data on success rates or as Bob Porter says, “projects that passed the sniff test,” at the NIH: [https://report.nih.gov/success_rates/](https://report.nih.gov/success_rates/)

**Research & Discovery –** Access the HCAS Office of Research Website: [http://www.ecu.edu/cs-cas/oor/index.cfm](http://www.ecu.edu/cs-cas/oor/index.cfm)

**Search Federal Agency Program Deadlines**

Administration for Community Living: [https://www.acl.gov/grants](https://www.acl.gov/grants)

NCBC Deadlines: [http://www.ncbiotech.org/research-grants/research-funding](http://www.ncbiotech.org/research-grants/research-funding)

NEH Grant Deadlines: [http://www.neh.gov/grants](http://www.neh.gov/grants)

HHS Grants Forecast: [https://forecast.grantsolutions.gov/index.cfm](https://forecast.grantsolutions.gov/index.cfm)
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NIH Parent Announcements (For Unsolicited or Investigator-Initiated Applications): http://grants.nih.gov/grants/guide/parent_announcements.htm

NSF Due Dates: http://www.nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date

US Department of Education: http://www2.ed.gov/about/offices/list/ope/opeprogramguide.html


US Department of Justice: http://ojp.gov/funding/

NASA NSPIRES: ROSES_2016

NOAA Climate Program Office http://cpo.noaa.gov/Grants