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Education Research Opportunities

Initiative to Maximize Research Education in Genomics: Courses – R25 – NIH DUE September 25
The over-arching goal of this NHGRI R25 program is to support educational activities that complement and/or enhance the genomics training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs by supporting short- and long-term advanced level courses that are intended to disseminate new techniques, methods, analyses and knowledge related to the mission of the NHGRI.

EHR Core Research – NSF DUE October 3 The EHR Core Research program (ECR) invites proposals for fundamental research (basic research or use-inspired basic research) that advances knowledge in one or more of the three Research Tracks: Research on STEM Learning and Learning Environments, Research on Broadening Participation in STEM fields, and Research on STEM Workforce Development.

Graduate Research Fellowship Program - NSF DUE Multiple Deadlines

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The Louis Stokes Alliances for Minority Participation (LSAMP) – NSF DUE November 1.
The program supports an alliance to assist universities and colleges in diversifying the STEM bachelor and graduate programs and graduate into the STEM workforce.

Improving Undergraduate STEM Education – NSF DUE from Dec. 4 and February 4. The IUSE: EHR program features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Several levels of scope, scale, and funding are available within each track. IUSE: EHR also seeks to support projects that have high potential for broader societal impacts, including improved diversity of students and instructors participating in STEM education, professional development for instructors to ensure adoption of new and effective pedagogical techniques that meet the changing needs of students, and projects that promote institutional
Funding Opportunities for AA West Hub

partnerships for collaborative research and development. IUSE: EHR especially welcomes proposals that will pair well with the efforts of NSF INCLUDES to develop STEM talent from all sectors and groups in our society.

Environmental and Life Sciences

NIH Research Project Grant – R01 DUE October 5 See related notices for special interest topics within the solicitation. The R01 is the mechanism to provide project support representing the specific interests and competencies of the investigator(s). Maximum of five years of support.

Innovation Impact Grant – NCBC DUE October 9 The IIG program replaces the Institutional Development Grant, as NCBC’s foremost support for life sciences research equipment. There is a cash match and $200k cap on the request. More information is here: https://www.ncbiotech.org/iig

Specialty Crop Initiative – USDA Pre application DUE October 15 The intent of the SCRI program is to address one of five focus areas as to the needs of the various specialty crop industries through the promotion of collaboration, open communication, the exchange of information, and the development of resources that accelerate application of scientific discovery and technology. The SCRI program will give priority to projects that are multistate, or multi-institutional, or trans-disciplinary and include clearly defined mechanisms to communicate results to producers and the public.

Emergency Coastal Resilience Fund - National Fish and Wildlife Foundation DUE 11-12 The ECRF seeks to fund shovel-ready projects to improve community resilience and recovery both in and around impacted areas (as a results of hurricanes Florence and Michael…). Program goals include:

- Help recover from last year’s disasters and reducing the impact of future disasters and associated natural hazards including coastal storm surge, sea-level rise, wave velocity, flooding, debris flow and stormwater run-off
- Improve the ecological integrity and functionality of coastal ecosystems to enhance fish and wildlife, and their habitats

Investigator Initiated Research in Computational Genomics and Data Science RO1 – NIH DUE November 16 This FOA supports fundamental genomics research developing innovative analytical methodologies and approaches, early stage development of tools and software, and refinement or hardening of software and tools of high value to the biomedical genomics community.

Ecology and Evolution of Infectious Diseases (EEID) NSF DUE November 20 Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies. They should focus on the determinants and interactions of transmission among humans, non-human animals, and/or plants. For additional news ABOUT.
Humanities & Fine Arts

**NEA Research Grants in the Arts (Grants to Research Value and Impact of the Arts)** DUE October 3
There are two tracks: 1) **Value and Impact** will present theory-driven and evidence-based research questions and methodologies that will yield important information about the value and/or impact of the arts on individuals and communities, and/or that use novel and promising research approaches. 2) **Experimental and Quasi-Experimental Designs** more rigorous methods than causality is needed to isolate the impacts of a program, policy or practice from other influences (geographic, or temporal factors). When experimental approaches are not feasible, high-quality, quasi-experimental design studies offer an attractive alternative.

**Dialogues on the Experience of War - NEH** DUE October 15
The program supports the study and discussion of important humanities sources about war, in the belief that these sources can help U.S. military veterans and others think more deeply about the issues raised by war and military service.

**NEA Sound Health Network, FY 2020** DUE November 19
The Sound Health program seeks to expand public understanding of the connections between music and wellness: how music is processed by the brain, how music can impact development and learning, and the therapeutic use of music for specific health conditions.

**Scholarly Editions and Translations Grants – NEH** DUE December 4
Two scholars should work collaborative over full or part time periods of one to three years.

New Faculty Opportunities

**NIH Small Research Grant Program – R03** DUE October 16.
Support is available for small projects across a short period of time and with limited resources such as pilot and feasibility studies, secondary data analysis; small, self-contained research projects; development of a research methodology; and development of new research technology.

An LOI is not required. The opportunity supports research that uses behavioral insights from psychology, economics, sociology, political science and other social sciences to examine and improve social and living conditions in the United States. Appropriate projects will demonstrate explicit use of psychological concepts in the motivation of the research design and the preparation of the results.

Physical Sciences Opportunities

**Critical Aspects of Sustainability (CAS) - NSF** DUE Multiple
Biomaterials, Condensed Matter Physics, Electronic and Photonic Materials, Metals and Metallic Nanostructures, Polymers, and Solid-State and Materials Chemistry in the Division of Materials Research (DMR) -- 10/01/2019 - 11/01/2019; Chemical Measurement and Imaging (CMI); Chemistry of Life Processes (CLP); Environmental Chemical Sciences (ECS); and Macromolecular, Supramolecular and Nanochemistry (MSN) in the Division of Chemistry (CHE) -- 10/01/2019 - 10/31/2019. This program seeks to
Funding Opportunities for AA West Hub

support basic research through core disciplinary programs aimed at improving the sustainability of resources for future generations while maintaining or improving current products in order to offer technologically-advanced, economically competitive, environmentally-benign and useful materials to a global society. In order to address these challenges, the program aims to identify opportunities for innovation in a wide range of contributing disciplines as well as integrative activities. This program encourages the development of new experimental and theoretical/modeling approaches that will aid in both reductionist and whole-systems approaches.

NOAA – Collaborative Science, Technology, and Applied Research (CSTAR) LOI DUE September 25, FP November 20 The objective of the Collaborative Science, Technology and Applied Research (CSTAR) Program is to improve the overall forecast and warning capabilities of the operational meteorological community by addressing science and technology research priorities through collaborative research efforts between the National Weather Service (NWS) and academic institutions that have expertise in the environmental sciences. These activities engage university researchers and students in applied research of interest to the operational meteorological community. A goal of this announcement is to foster long-term collaborative interactions between a university and NWS operational offices.

Paleo Perspectives on Climate Change (PsC2) – NSF DUE October 21 Important scientific objectives of P2C2 are to: 1) provide comprehensive paleoclimate data sets that can serve as model test data sets analogous to instrumental observations; and 2) enable transformative syntheses of paleoclimate data and modeling outcomes to understand the response of the longer-term and higher magnitude variability of the climate system that is observed in the geological and cryospheric records.

Division of Materials Research: Topical Materials Research Programs (DMR-TMRP) – NSF Submission Window October 1 – November 1, 2019 This solicitation applies to the following six DMR Topical Materials Research Programs that fund research and educational projects by individual investigators or small groups: Biomaterials (BMAT), Condensed Matter Physics (CMP), Electronic and Photonic Materials (EPM), Metals and Metallic Nanostructures (MMN), Polymers (POL), and Solid-State and Materials Chemistry (SSMC).

Social and Behavioral Sciences
NIH Exploratory/Developmental Research Grant Program with Human Subjects DUE October 16 Supports exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.
Funding Opportunities for AA West Hub

**Time-Sensitive Obesity Policy and Program Evaluation – R01 NIH DUE October 11, November 13, December 10** This FOA is intended to support research where opportunities for empirical study are, by their very nature, only available through expedited review and funding. All applications to this FOA must demonstrate that the evaluation of an obesity related policy and/or program offers an uncommon and scientifically compelling research opportunity that will only be available if the research is initiated with minimum delay. For these reasons, applications in response to this time-sensitive FOA are not eligible for resubmission. It is intended that eligible applications selected for funding will be awarded within 4 months of the application due date.

**Exploratory/Developmental Research Grant R21 no clinical trials – DUE October 16** This program is intended to encourage new exploratory and developmental research projects. For example, such projects could assess the feasibility of a novel area of investigation or a new experimental system that has the potential to enhance health-related research. Another example could include the unique and innovative use of an existing methodology to explore a new scientific area.

**CNH2: Dynamics of Integrated Socio-Environmental Systems (CNH2) – NSF 19-528 LOI DUE 9-17-19 FP 11-15-19** The program supports research projects that advance basic scientific understanding of integrated socio-environmental systems and the complex interactions (dynamics, processes, and feedbacks) within and among the environmental (biological, physical and chemical) and human ("socio") (economic, social, political, or behavioral) components of such a system. The program seeks proposals that emphasize the truly integrated nature of a socio-environmental system versus two discrete systems (a natural one and a human one) that are coupled. CNH2 projects must explore a connected and integrated socio-environmental system that includes explicit analysis of the processes and dynamics between the environmental and human components of the system.

**ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions (ADVANCE) – NSF. Two tracts:** Institutional Transformation requires a preliminary proposal DUE October 1; the Adaptation and Partnership competition requires an LOI DUE November 1. Proposers are encouraged to link to other NSF STEM diversity programs through increased funding for Adaptation and Partnerships awards that propose collaborations with the NSF INCLUDES National Network, or with an NSF-funded graduate education program. NSF allow[s] more flexibility for institutions considering an IT project.

**Supplemental Support**

Research Supplements to Promote Diversity in Health-Related Research on active NIH opportunities (Read the FOA).

**Proposals Accepted at Any Time**

Atmospheric Chemistry – NSF

Climate and Large-Scale Dynamics – NSF
Funding Opportunities for AA West Hub

Democracy Small Grants Program General Competition – U.S. Embassy Ukraine
Division of Environmental Biology (core programs) (DEB) – NSF
Division of Integrative Organismal Systems of Core Programs - NSF
Earth Sciences (EAR/IF) Instrumentation and Facilities Program - NSF
Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA) – NSF
High-Risk Research in Biological Anthropology and Archaeology – NSF
Hydrologic Sciences Program – NSF
Increase Higher Education Attainment – Lumina Foundation – LOI Year Round.
Long Term Research in Environmental Biology – NSF
National Energy Technology – DOE.
NSF/FDA Scholar-in-Residence at FDA
Veterans’ Employment and Training – Stand Down Grant Award – Department of Labor.

Other News
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/
NIH Sampling of Successful Proposals – Forms D.
An updated eRA Commons website informs applicants, grantees and reviewers about how to navigate its needed systems.

Search Federal Agency Program Deadlines
Administration for Community Living: https://www.acl.gov/grants
NCBC Deadlines: http://www.nebiotech.org/research-grants/research-funding
NEH Grant Deadlines: http://www.neh.gov/grants
HHS Grants Forecast: https://forecast.grantsolutions.gov/index.cfm
NIH Parent Announcements (For Unsolicited or Investigator-Initiated Applications): http://grants.nih.gov/grants/guide/parent_announcements.htm
NIH Weekly Notices
NSF Due Dates: http://www.nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date

HCAS gb 9-12-2019
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US Department of Education: http://www2.ed.gov/about/offices/list/ope/opeprogramguide.html


US Department of Justice: https://ojp.gov/funding/Explore/CurrentFundingOpportunities.htm

NASA NSPIRES: ROSES_2016

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