Funding Opportunities for Arts & Sciences

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Collaborative and/or Limited Opportunities

**National Science Foundation Research Traineeship Program** for $3M LOI Due December 22; Full Proposal Due: February 22 Limited 3 Proposals per organization: 2 for Traineeship Track; 1 for the Innovations in Graduate Education Track. The **Traineeship Track** 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, aligned with changing workforce and research needs, and scalable. For this solicitation the Traineeship Track has one priority interdisciplinary research theme — Data-Enabled Science and Engineering (DESE); proposals are encouraged also on any non-DESE interdisciplinary research theme that is a national priority. The **IGE Track** is dedicated solely to piloting, testing, and evaluating novel, innovative, and potentially transformative approaches to graduate education, both disciplinary and interdisciplinary, to generate the knowledge required for their customization, implementation, and broader adoption.

**Areas of Interest**
- 47.049 --- Mathematical and Physical Sciences
- 47.050 --- Geosciences
- 47.070 --- Computer and Information Science and Engineering
- 47.074 --- Biological Sciences
- 47.075 --- Social Behavioral and Economic Sciences
- 47.076 --- Education and Human Resources
- 47.079 --- International and Integrative Activities (IIA)

**Criminal Justice**

**Research and Development in Forensic Science - NIJ, DUE February 2.** The NIJ seeks proposals for basic or applied research and development projects that will: (1) increase the body of knowledge to guide and inform forensic science policy and practice, or (2) result in the production of useful materials, devices, systems, or methods that have the potential for forensic application. The intent of this program is to direct the findings of basic scientific research, research and development in broader scientific fields applicable to forensic science, and ongoing forensic science research toward the development of highly discriminating, accurate, reliable, cost-effective, and rapid methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes.

**Research on Measurement of Teen Dating Violence - NIJ, DUE March 9.** NIJ is seeking proposals for measurement research related to teen dating violence (a.k.a. adolescent relationship abuse). In particular, NIJ is seeking proposals that advance the accurate and developmentally appropriate measurement of dating violence perpetration and victimization among adolescents and young adults.

**Education**

**Academic Research Enhancement Award (AREA) – NIH, DUE February 25.** Supports meritorious research which exposes students to research while strengthening the research environment of the institution.
Environmental & Life Sciences

**Division of Integrative Organismal Systems – NSF. DUE January 15.** Supports research aimed at understanding why organisms are structured the way they are and function as they do. Proposals should focus on organisms as a fundamental unit of biological organization. Principal Investigators (PIs) are encouraged to apply systems approaches that will lead to conceptual and theoretical insights and predictions about emergent organismal properties. Areas of inquiry include, but are not limited to, developmental biology and the evolution of developmental processes, nervous system development, structure, and function, physiological processes, functional morphology, symbioses, interactions of organisms with biotic and abiotic environments, and animal behavior.

**Division of Environmental Biology (DEB) – NSF. Preliminary Proposal DUE January 25.** Supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales.

**Long Term Research in Environmental Biology – NSF. Preliminary DUE January 25.** Supports the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. The Program intends to support decadal projects.

**Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R21) NIH. Due earliest January 26.** Supports exploratory research projects focused on the early-stage development of highly innovative molecular or cellular analysis technologies for basic or clinical cancer research. The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology.

**Long-Term Ecological Research – NSF. Preliminary DUE February 1.** Supports establishing up to three new sites for proposals that should address research questions in one of two broad ecosystems: 1). Arid/semi-arid (DEB); 2). Ocean/coastal ocean ecosystems.

**GEO Opportunities for Leadership in Diversity (GOLD) – NSF. Preliminary DUE February 1.** The geosciences continue to lag other science, technology, engineering, and mathematics (STEM) disciplines in the engagement, recruitment and retention of traditionally underrepresented and underserved minorities, requiring more focused and strategic efforts to address this problem. 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 Ideas Lab will be held March 20-24, 2016 in the Washington, DC metro region. Promising approaches developed through the Ideas Lab process will be submitted as full proposals from invited participants.

**Earl Core Student Research Award – Southern Appalachian Botanical Society, DUE Feb 7.** Funding is available to support student research projects in plant taxonomy, systematics, and ecology.

**Biological Oceanography – NSF. DUE February 16.** Supports research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes.
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U.S.-China Program for Biomedical Collaborative Research (R01) NIH Due February 17. The purpose of the U.S.-China Program for Biomedical Collaborative Research is to stimulate collaborative basic, translational, and clinical research between United States (U.S.)-based researchers and Chinese researchers in the areas of allergy, immunology, and infectious diseases including HIV/AIDS and its co-morbidities and co-infections, mental health, and selected neurological disorders.

CTFS - ForestGEO Short-Term Fellowships in China with CforBio – DUE Feb 29. Funded through an NSF-IRCN DEB grant, the goal of the fellowship is to foster long-term collaborations between the CforBIO network in China and the USA.

Integration of Infectious Diseases and Substance Abuse Intervention Services for Individuals Living with HIV (R01) - NIH, Due March 2. The solicitation supports 1) multidisciplinary research to enhance the adoption and integration of evidence-based screening and treatment of substance abuse in HIV centers and closely related medical settings; and 2) multidisciplinary research to increase the adoption and integration of effective HIV treatment (including adherence to antiretroviral therapy as well as linkage and long term retention in HIV care) in addiction treatment settings.

Development and Translation of Medical Technologies to Reduce Health Disparities (SBIR) (R43/R44) – NIH, DUE March 2. The primary objective of this funding opportunity is to support the translation of medical technologies, new or existing, that can have a significant impact on healthcare access and health outcomes for health disparity populations.

Understanding Barriers and Facilitators to Type 1 Diabetes Management in Adults (DP3) – NIH. A non-binding, unrequired LOI due May 22 would precede the full proposal. This FOA will support observational and mixed methods (quantitative and qualitative) research designed to elucidate the factors (e.g., medical, social, economic, environmental, behavioral, or psychological) that influence diabetes self-management and diabetes outcomes (e.g., HbA1c, hypoglycemia, DKA), in a positive or harmful way, in adults. Longitudinal research is strongly encouraged and cross sectional research is discouraged.

Humanities

Calvin Institute of Christian Worship Vital Grants Program. Due January 10. Supports grants “especially focused on projects that connect public worship to intergenerational faith formation”. Invites proposals developed through a collaborative process.

Religion in International Affairs - Henry Luce Foundation. LOI DUE Open. A proposal should show familiarity with the foundation and the program. It must demonstrate a convincing fit with the program's goals, and show how the project emerges from serious and longstanding interests.

Yale Center for British Art Visiting Scholars Fellowship Awards. Due January 11. Visiting Scholar Awards are intended to enable scholars and doctoral students working in a variety of disciplines to study the Center’s collections. While in residence, scholars will have access to the Center’s rich holdings of paintings, sculptures, drawings, prints, rare books, and manuscripts, as well as primary and secondary reference materials. Scholars will have a dedicated working space, the opportunity to participate in the Center’s events and programs, and will be encouraged to engage with the scholarly community of both the Center and the University.
School for Advanced Research Residential Summer Fellowships, Due January 11. Summer scholar residential fellowships are awarded to several scholars in anthropology and related fields to pursue research or writing projects that promote understanding of human behavior, culture, society, and the history of anthropology. Scholars from the humanities and social sciences are encouraged to apply.

Media Projects: Development Grants - NEH Due January 13. NEH encourages projects that engage public audiences through multiple formats in the exploration of humanities ideas. Development grants enable media producers to collaborate with scholars to develop humanities content and to prepare programs for production. Grants should result in a script or detailed treatment and may also yield a plan for outreach and public engagement.

National Digital Newspaper Program - NEH. DUE January 14. NEH is soliciting proposals from institutions to participate in the National Digital Newspaper Program (NDNP). NDNP is creating a national digital resource of historically significant newspapers published between 1836 and 1922, from all the states and U.S. territories. This searchable database will be permanently maintained at the Library of Congress (LC) and will be freely accessible via the Internet. (See the website, Chronicling America: Historic American Newspapers.) An accompanying national newspaper directory of bibliographic and holdings information on the website directs users to newspaper titles available in all types of formats. During the course of its partnership with NEH, LC will also digitize and contribute to the NDNP database a significant number of newspaper pages drawn from its own collections.

First Book Grant Program for Minority Scholars of American Christianity – Louisville Institute Due January 15. The program assists junior, non-tenured religion scholars of color to complete a major research project on an issue in North American Christianity related to the priorities of the Louisville Institute.

William S. Vaughn Visiting Faculty Fellowship – Vanderbilt University. Due January 18. The Robert Penn Warren Center for the Humanities will host a year-long interdisciplinary seminar on the theme "Working for Equality and Justice: Theorizing from and with Lived Resistance to Economic Inequality and Injustice" during the 2016/2017 academic year. What might we learn--in and through the humanities--by listening to, researching with, and documenting those persons and organizations that resist economic inequality and injustice? How might our theory building about equality and justice be challenged, enhanced, and expanded when this “lived resistance” is a primary site for our academic work on these issues? What research methodologies are appropriate for a humanities scholar who wishes to engage with lived experience? What does it mean to listen to, to research with, and to observe those struggling to survive and transform economic inequalities and injustice? We invite applications for the William S. Vaughn Visiting Fellowship from scholars in all disciplines whose lively presence will help to focus our work and stimulate discussions.

Ford Foundation Fellowships to Individuals. DUE by Inquiry, the objective of the Ford Foundation is to diversify faculty at public universities. It may take efforts by ECU to propose inviting visiting faculty.

New Faculty in Buddhist Studies – Robert H. N. Ho Family/ ACLS Program. Due January 20. Supports IHE fulfilling a teaching position for up to four years. A minimal 1/3 matching is needed, but at just 1/3 over the grant period. This is globally competitive and would be especially significant.

North Carolina Stories – NC Humanities Council. Due Open encourages themed investigations on local history (such as immigration, migration, adaptation, and displacement.)
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Physical Sciences

Methodology, Measurement, and Statistics – NSF. DUE January 29. Supports the development of innovative, analytical, and statistical methods and models for those sciences. MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences.

Division of Physics: Investigator-Initiated Research Projects – NSF. DUE February 3. Supports physics research and education in the nation’s colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular and Optical Physics; Computational Physics; Elementary Particle Physics; Gravitational Physics; Integrative Activities in Physics; Nuclear Physics; Particle Astrophysics; Physics of Living Systems; Plasma Physics (supported under a separate solicitation); and Quantum Information Science.

Chemical Oceanography – NSF. DUE February 15. Supports research into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere.

Physical Oceanography – NSF. DUE February 15. Supports research on a wide range of topics associated with the structure and movement of the ocean, with the way in which it transports various quantities, with the way the ocean's physical structure interacts with the biological and chemical processes within it, and with interactions between the ocean and the atmosphere, solid earth and ice that surround it.

BRAIN Initiative: New Concepts and Early - Stage Research for Large - Scale Recording and Modulation in the Nervous System (R21) – NIH. DUE March 15. Related to sections II.2, II.3, and II.4 from the BRAIN 2025 Report, recommendations call for accelerated development of new large-scale recording technologies and tools for neural circuit manipulation. These new technologies and approaches will provide unprecedented opportunities for exploring how the nervous system encodes, processes, utilizes, stores, and retrieves vast quantities of information. A better understanding of this dynamic neural activity will enable researchers to seek new ways to diagnose, treat, and prevent brain disorders.

Social Sciences

Political Science – NSF. DUE January 15. Supports scientific research that advances knowledge and understanding of citizenship, government, and politics. Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include, but are not limited to, American government and politics, comparative government and politics, international relations, political behavior, political economy, and political institutions.

Sociology – NSF. DUE January 15. Supports basic research on all forms of human social organization - - societies, institutions, groups and demography -- and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes.

Economics – NSF. DUE January 18. Supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including...
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econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.

**Applied Research Toward Zero Suicide Healthcare Systems (R01) - NIH, Due March 4.** Research is needed to implement effective and comprehensive suicide prevention strategies in a variety of settings, including behavioral health and substance abuse outpatient clinics, emergency departments and crisis care programs and centers, hospitals, and integrated primary care programs. To achieve the aspirational goal of zero suicide events within healthcare settings, research is needed to improve health care approaches for the following: systematic approaches to suicide risk detection (acute or long term); appropriate risk documentation and follow-up care that is practical and effective; interventions earlier in the course of suicide risk trajectories that reduce incident suicide events in care systems; identification of effective service delivery components that work as safety nets to prevent suicidal events; and identification of service delivery policies and practices that support and maintain “Zero Suicide” goals and reduce suicide events.

**Trust for Mutual Understanding – Grants for International Travel Assistance – Cultural and Environmental Exchange – Russia and Eastern Europe. Preproposal DUE May 1 – full proposal by invitation by August 1.** The Trust for Mutual Understanding awards grants to American nonprofit organizations to support the international travel component of cultural and environmental exchanges conducted in partnership with institutions and individuals in Russia and Central and Eastern Europe. Priority consideration is given to projects that involve direct, in-depth professional interaction, with the potential for sustained collaboration; that show evidence of professional accomplishment and innovation; and/or that respond to social contexts and engage local communities.

**Supplemental Support**

**Facilitation Research at Primarily Undergraduate Institutions: RUI and ROA opportunities – NSF**
The Research Opportunity Awards (ROAs) can include
- A supplement to an existing NSF award
- Requests to re-budget funds in an existing NSF award
- Submission of a new collaborative proposal with equally eligible universities

**Supplements to Promote Diversity in Health-Related Research (Admin Support) – NIH**
The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention (CDC) hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of research grants (at ECU R01, R21, R33, R34) that funds are available for administrative supplements to improve the diversity of the research workforce by recruiting and supporting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who are or become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project.
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Federal Agency Notices & Grant Details

NEH Grant Deadlines: http://www.neh.gov/grants
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/