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## Funding Opportunities for AA West Hub

### Education Research Opportunities

[Ideas Lab: Cross-cutting Initiative in CubeSat Innovations - NSF](#) **Preliminary Proposal DUE February 8** CubeSat constellations and swarms have been identified as a new paradigm for space-based measurements to address high-priority science questions in multiple disciplines.

[The Low-Cost, Short-Duration Evaluation of Special Education Interventions \(Low-Cost Evaluation\) – IES](#). **DUE March 7**, the program supports rigorous evaluations of special education interventions (broadly defined as practices, programs, and policies) that state or local education agencies expect to produce meaningful improvements in student education outcomes within a short period of time of a year or less. These evaluations are to be conducted for \$250,000 or less and completed within 2 years. Requires an IHE to partner with a U.S. state or local agency.

[The Mid-scale RI Implementation or Design – NSF](#). **Preliminary proposal DUE February 19**. The program provides a flexible, yet robust, competitive opportunity to support research infrastructure of intermediate scales above the MRI and below the MREFC thresholds, respectively. This solicitation calls for mid-scale projects in the lower portion of that range, from \$6 million to below \$20 million in total project costs. This funding range will support a wide variety of research infrastructure design and implementation activities for any combination of equipment, infrastructure, upgrades to major research facilities, computational hardware and software, and the necessary commissioning, all leading to the direct advancement of fundamental science, engineering and STEM education research. There is no IHE limit. Some limitation on PI.

[Academic Research Enhancement Award \(AREA\) – NIH](#) **DUE February 25** The AREA program supports IHE that have not been major recipients of NIH support to stimulate research. The objectives of the AREA program are to provide support for meritorious research, to strengthen the research environment of schools that have not been major recipients of NIH support, and to expose available undergraduate and/or graduate students in such environments to meritorious research. The AREA program will enable qualified scientists to receive support for small-scale research projects. These grants are intended to create a research opportunity for scientists and institutions otherwise unlikely to participate extensively in NIH programs that support the Nation's biomedical and behavioral research effort.

### Environmental and Life Sciences

[Implementation of Shared Decision Making for HLBS diseases and conditions – NIH R01](#). **DUE February 5, June 5**. Shared decision making (SDM) is a process in which clinicians and patients work together to make decisions and select tests, treatments, and care plans based on clinical evidence that balances benefits, risks and expected outcomes with patient preferences and values. This FOA is intended to support projects that address patient, provider, contextual, and/or systems level factors including, but not limited to, healthcare provider education; assistance for patients with low health literacy skills; electronic healthcare record requirements to support SDM execution; clinical workflow issues that impede implementation of SDM; evaluation of SDM; and need for sustainable health care teams and models to implement SDM in real-world settings.

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[Earth Cube Office – NSF DUE February 11](#), EarthCube is a community-driven activity to transform the conduct of geosciences research and education, sponsored through a partnership between the NSF Directorate of Geosciences and the Office of Advanced Cyberinfrastructure in the Directorate for Computer and Information Science and Engineering. EarthCube aims to accelerate the ability of the geosciences community to understand and predict the Earth system by enabling access to geosciences data

[Enabling Discovery through Genomic Tools \(EDGE\) - NSF DUE February 12](#), the Division of Integrative Organismal Systems (IOS) recognizes that a lack of methods for analysis of gene function represents an obstacle to progress in a range of diverse non-model organisms. These organisms are important for understanding numerous basic science questions in organismal biology as funded through the Division's core programs. Enabling Discovery through Genomic Tools (EDGE) is designed to provide support for development of tools, approaches and infrastructure necessary for direct tests of cause and effect hypotheses between gene function and phenotypes in diverse plants, animals, microbes, viruses and fungi for which these methods are presently unavailable.

[CNH2: Dynamics of Integrated Socio-Environmental Systems \(CNH2\) – NSF. DUE February 14](#), 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.

[Biological Oceanography – NSF. DUE February 15](#), the program supports fundamental research in biological oceanography and marine ecology (populations to the ecosystems) broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program are often interdisciplinary efforts that may include participation by other OCE Programs.

[Macrosystems Biology and NEON-Enabled Science – NSF. DUE February 25](#), the program supports quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and invasive species at regional to continental scales as well as training activities to enable groups to conduct Macrosystems Biology and NEON-Enabled Science research

[Progression Markers for Cognitive Impairment in Parkinson's Disease Dementia – NIH R01 DUE March 9](#), the purpose of this FOA is to encourage applications that seek to identify neurophysiology and/or biospecimens that predict which patients with Parkinson's disease will 1) develop cognitive impairment or dementia, 2) experience gradual versus rapid progression of cognitive impairment and/or 3) develop aberrant behavioral or frankly psychotic symptoms as a part

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of their dementia. Research to evaluate new candidate biomarkers, or to further update, expand upon, or validate previously-published biomarker candidates, is considered appropriate.

### Humanities & Fine Arts

[Art Works – NEA](#). **DUE February 14**, these grants support artistically excellent projects that celebrate our creativity and cultural heritage, invite mutual respect for differing beliefs and values, and enrich humanity. Matching grants generally range from \$10,000 to \$100,000. A minimum cost share/match equal to the grant amount is required.

[Landmarks of American History and Culture Workshops – NEH](#). **DUE February 21**, each workshop must accommodate thirty-six participants (NEH Summer Scholars) and must be offered twice during the summer (for a total of seventy-two participants). The content, presenters, site visits, activities, and readings should be substantially the same in each week. The program defines a landmark as a site of historic importance within the United States and its territories that offers educators a unique and compelling opportunity to deepen and expand their knowledge of the diverse histories, cultures, traditions, languages, and perspectives of the American people. Projects employ a place-based approach, teaching historic sites through critical interpretation in order to explore central themes in American history and government, as well as in literature, art, music, and related humanities subjects.

[Summer Seminars and Institutes for Higher Education Faculty – NEH](#). **DUE February 21**, the NEH provides support for one to four week professional development programs that serve to broaden and deepen engagement in the humanities.

[Summer Seminars and Institutes for K-12 Educators – NEH](#). **DUE February 21**, supports one to four week residential programs led by scholars and K-12 professionals that will broaden and deepen participant engagement in the humanities topic(s).

[Faculty Reassignment Awards in the Arts and Humanities 2019-20 – REDE](#) **DUE March 4**, **this internal opportunity** provides funds to departments to reassign faculty during the 2019-2020 academic year, and thus provide dedicated time for faculty to apply for fellowships, residencies, and grants in support of research and creative activities in the Arts and Humanities. This award “buys out” a faculty member’s teaching and service assignments (one three-credit-hour course) in either Fall 2019 or Spring 2020, creating additional time to prepare and submit a competitive application for extramural funding. While not required, collaborative efforts between faculty in Arts and Humanities disciplines and those in other disciplines are encouraged. Funds are paid directly to the department to hire replacement faculty to cover teaching assignments; faculty do not receive any compensation or funding. Summer stipends are not provided. [Refer here for full details](#).

[Creative Writing Fellowships – NEA](#). **DUE March 6**, these are available to prose fiction writers as individuals.

[Institutes for Advanced Topics in the Digital Humanities – NEH](#) **DUE March 12**, through this program NEH seeks to increase the number of humanities scholars and practitioners using digital technology in their research and to broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities

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### New Faculty Opportunities

#### Doctoral New Investigator – Start-up grant for new faculty – American Chemical Society

**DUE February 18 – March 15.** The aim of the ACS is to promote the careers of young faculty. The DNI opportunity grants start-up funds to science and engineering faculty within the first three years of the assistant professor academic appointment. The DNI grants are to be used to illustrate proof of principle or concept, to test a hypothesis, or to demonstrate feasibility of an approach.

New Investigator Research Grant – American Speech-Language-Hearing Foundation. **LOI is open now.** Grant competition for \$10,000 will open soon in 2019. Pay close attention to eligibility. No *external* research funding should have been received since receipt of the Ph.D.

### Physical Sciences Opportunities

Chemical Oceanography – NSF. **DUE February 15,** the program supports research into the chemistry of the oceans and the role of the oceans in global geochemical cycles. Areas of interest include chemical composition, speciation, and transformation; chemical exchanges between the oceans and other components of the Earth system; internal cycling in oceans, seas, and estuaries; and the use of measured chemical distributions as indicators of physical, biological, and geological processes.

Ocean Technology and Interdisciplinary Coordination – NSF. **DUE February 15,** the OTIC program supports a broad range of research and technology development activities. Unsolicited proposals are accepted for instrumentation development that has broad applicability to ocean science research projects and that enhance observational, experimental or analytical capabilities of the ocean science research community.

Physical Oceanography – NSF. **DUE February 15,** the program 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.

Algorithms for Threat Detection – NSF. **DUE February 19,** the program will support research projects to develop the next generation of mathematical and statistical algorithms for analysis of large spatiotemporal datasets with application to quantitative models of human dynamics. The program is a partnership between the Division of Mathematical Sciences (DMS) at the National Science Foundation (NSF) and the National Geospatial Intelligence Agency (NGA).

Frontier Research in Earth Sciences – NSF **DUE February 20,** the FRES program will support research in Earth systems over the entire range of temporal and spatial scales. Appropriate topics may include (but are not limited to) effects of mantle dynamics on continental systems; linkages among tectonics, climate, and landscape; interactions involving the Earth's surficial, sedimentary,

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hydrological, or biotic systems; global cycles that include core and mantle processes; or other themes of similar scope. Projects that emphasize the oceanic lithosphere, marine systems, polar regions, or atmospheric processes are not appropriate for the FRES solicitation.

[Quantum Idea Incubator for Transformational Advances in Quantum Systems – NSF](#). **DUE February 21**, the program supports interdisciplinary research that includes elements from the following thrust areas: (i) fundamental science such as, but not limited to, physics, chemistry, materials science, mathematics, biology, or geoscience, as well as foundational concepts and techniques in quantum information science and engineering; (ii) communication, computation, and modeling; and (iii) devices and engineered systems. Proposals must articulate how the project leverages and/or promotes advances in knowledge in the selected thrust areas. Proposals should be innovative and must focus on quantum functionality and must result in experimental demonstrations and/or transformative advances towards quantum systems and/or proof-of-concept validations. Competitive proposals will come from an interdisciplinary research team led by at least three investigators who collectively contribute synergistic expertise from one or more engineering domains, from mathematics, computational and/or computer and information science, and from one or more physical, chemical, biological, or materials science domains.

### Social and Behavioral Sciences

[Cultivating Cultures for Ethical STEM \(CCE STEM\) – NSF](#). **DUE February 22**, the program funds research projects that identify (1) factors that are effective in the formation of ethical STEM researchers and (2) approaches to developing those factors in all the fields of science and engineering that NSF supports. CCE STEM solicits proposals for research that explores the following: ‘What constitutes responsible conduct for research (RCR), and which cultural and institutional contexts promote ethical STEM research and practice and why?’

[Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus – DOJ](#). **DUE March 14**, the program supports activities that develop and strengthen trauma-informed victim services and strategies to prevent, investigate, and respond. Personnel training and technical assistance, strengthening and implementation of campus policies, protocols, and services, and other activities as examples.

### Forthcoming Deadlines

[Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science – NSF INCLUDES](#)

[Mass Spectrometric Assays for the Reliable and Reproducible Detection of Proteins/Peptides of Importance in Obesity Research – NIH NIDDK](#) LOI not required **due March 17; full proposal due April 17.**

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[NEH Fellowship\(s\)](#) Due April 10, 2019

[Young Scholars Program – Foundation for Child Development](#) – Coming in September 2019

### 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](#)

[Division of Environmental Biology \(core programs\) \(DEB\) – NSF](#). **Posted 8-22-18. No deadline.** There are two tracks: the Core Track supportive of training on evolutionary and ecological processes; and the Rules of Life Track for research to advance our understanding for the Rules of Life by proposals that would not fit well within one division in the biological sciences directorate.

[Climate and Large-Scale Dynamics – NSF](#)

[Democracy Small Grants Program General Competition – U.S. Embassy Ukraine](#)

[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. Check out the [Grant Database](#)

[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/](https://report.nih.gov/success_rates/)

[Research & Discovery](#) – AA West HUB Website: <http://www.ecu.edu/cs-cas/oor/index.cfm>

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### Search Federal Agency Program Deadlines

Administration for Community Living: <https://www.acl.gov/grants>

NCBC Deadlines: <http://www.ncbiotech.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](http://grants.nih.gov/grants/guide/parent_announcements.htm)

NSF Due Dates: [http://www.nsf.gov/funding/pgm\\_list.jsp?org=NSF&ord=date](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 Education Research IES: <https://ies.ed.gov/funding/index.asp#current>

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

NASA NSPIRES: [ROSES 2016](#)

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