

Table of Contents

Internal Grant Opportunities	1
Faculty Development Awards for Course-Based Undergraduate Research Experiences	1
CET and Physical Sciences Opportunities.....	1
Request for Information on H2@Scale: Determining Opportunities to Facilitate Wide-Scale Hydrogen Adoption for Energy Security and Economic Growth.....	1
Education Research Opportunities.....	1
The Educational Component of the National Cooperative Geologic Mapping Program – Geological Survey.	1
Advancing Informal STEM Learning (AISL) – NSF.	2
STEM Pathways and Research Alliances - Louis Stokes Alliances for Minority Participation (LSAMP) – NSF.....	2
NSF Research Traineeship (NRT) Program.....	2
Environmental and Life Sciences	2
Neotropical Migratory Bird IMPACT Grant Program – Conservation Act.....	2
Office of Weather and Air Quality Research Programs – Department of Commerce	2
Water Resources Research Institute of the UNC System.....	3
Opportunities for Promoting Understanding through Synthesis (OPUS) – NSF.....	3
Climate Program – Department of Commerce	3
Ecology and Evolution of Infectious Diseases – NSF.....	3
Grants for Emerging Investigators.....	4
Doctoral New Investigator Grants – ACS/PRF.....	4
Young Faculty Award (YFA) The Defense Advanced Research Projects Agency (DARPA)....	4
Young Investigator Innovation Grants – American Foundation for Suicide Prevention.	4
Human Health and Disease & Rural Populations	4
Basic Research in Cancer Health Disparities – NIH R01, R21	4
Humanities & Fine Arts	4
Luce/ACLS Program in Religion, Journalism & International Affairs Fellowships.....	4
Dialogues on the Experience of War – NEH.....	4
Documenting Endangered Languages – NEH and NSF.	5
Collaborative Research Grants – National Endowment for the Humanities.....	5
Marine and Coastal Systems.....	5
Marine Debris Removal – NOAA.....	5
Multidisciplinary / Collaborative Opportunities	5
Emerging Questions in Cancer Systems Biology (U01) – NIH.....	5
Collaborative Research in Computational Neuroscience (CRCNS) – NSF.....	6

Funding Opportunities for AA West Hub

Social and Behavioral Sciences	6
Mellon/ACLS Scholars & Society Fellowships	6
Pilot Innovation Grants – American Foundation for Suicide Prevention	6
Distinguished Investigator Innovation Grants – American Foundation for Suicide Prevention	6
Forthcoming Deadlines	6
Virtual Consortium for Translational/Transdisciplinary Environmental Research (ViCTER) (R01 Clinical Trial Optional) – NIH.....	6
Digital Humanities Advancement Grants – NEH	7
Energy Efficiency & Renewable Energy (EERE) Funding Opportunity Exchange.....	7
Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science – NSF INCLUDES.....	7
Proposals Accepted at Any Time.....	7
Atmospheric Chemistry – NSF.....	7
Division of Environmental Biology (core programs) (DEB) – NSF.....	7
Climate and Large-Scale Dynamics – NSF.....	7
Democracy Small Grants Program General Competition – U.S. Embassy Ukraine.....	7
Earth Sciences (EAR/IF) Instrumentation and Facilities Program - NSF.....	7
Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA) – NSF.....	7
High-Risk Research in Biological Anthropology and Archaeology – NSF	7
Hydrologic Sciences Program – NSF.....	7
Increase Higher Education Attainment – Lumina Foundation.....	7
National Energy Technology – DOE	7
NSF/FDA Scholar-in-Residence at FDA.....	7
Veterans’ Employment and Training – Stand Down Grant Award – Department of Labor	7
Other News	7
NIH Success Rates	7
Research & Discovery	7
Search Federal Agency Program Deadlines.....	7

Funding Opportunities for AA West Hub

Internal Grant Opportunities

Faculty Development Awards for Course-Based Undergraduate Research Experiences

The Office of Undergraduate Research, REDE, will continue the Faculty Development Award for Course-Based Undergraduate Research Experiences program during the 2018-19 academic year, with awards of up to \$1,500 to support individuals or teams. REDE has a goal of doubling the number of students engaged in undergraduate research by 2022. Faculty are a key aspect of this ambitious plan. The 2017-18 academic year marked the first call for competitive awards for faculty development projects, partially funded by the UNC System office and supplemented by the Office of Undergraduate Research. Five individuals or teams of faculty were funded. Most projects focused on improving and expanding strategies to support research within courses. CUREs can serve as the first experience in research, and for some students, the only experience in research during their undergraduate career.

Application deadline is Nov. 5, 2018 for programs that start as early as January 2019. Apply [here](#).

CET and Physical Sciences Opportunities

Request for Information on H2@Scale: Determining Opportunities to Facilitate Wide-Scale Hydrogen Adoption for Energy Security and Economic Growth **DUE October 31**

Through this initiative, the DOE aims to incentivize the research and development (R&D) of transformational technologies that reduce the cost of hydrogen production and distribution technologies, diversify the feedstocks available for affordable hydrogen production, enable new end uses of hydrogen, enhance the flexibility of the electric power grid, reduce emissions through novel uses of affordable hydrogen, generate jobs in growing industries, and provide global technology leadership for export of next-generation energy solutions. The objective of this Request for Information (RFI) is to identify and quantify domestic resources compatible with large-scale hydrogen production, and to identify pathways to enable effective near- and long-term leveraging of these resources in major industries requiring affordable, secure, domestic, and scalable hydrogen supplies. This RFI complements the DOE Fuel Cell Technologies Office's (FCTO's) early-stage R&D activities and is intended to leverage the private sector to identify technical, cost and infrastructure barriers to deployment and widespread adoption of hydrogen and fuel cell technologies. This RFI also complements FCTO's RFI titled Identifying Priorities for Reducing Barriers to Deployment of Hydrogen Infrastructure which was released on June 13, 2018.

Education Research Opportunities

The Educational Component of the National Cooperative Geologic Mapping Program – Geological Survey **DUE November 6**

The primary objective of the program is to train the next generation of geological mappers. Funding is available for graduate students (\$17,500 each) and undergraduate students (\$10,000 each). Through cooperative support NCGMP hopes to expand the research and educational capacity of academic programs that teach earth science students the

Funding Opportunities for AA West Hub

techniques of geologic mapping and field data analysis. Another important goal is to increase the level of communication between the Nations geologic surveys (both State Geological Surveys and the USGS) and geologic mappers in the academic community. We hope that this improved communication will have two results: 1) that the academic mapping community will learn more about the societal needs that drive geologic mapping projects at the USGS and State Geologic Surveys, and 2) more geologic maps produced in academia will eventually be made available to the public.

[Advancing Informal STEM Learning \(AISL\) – NSF](#) **DUE November 7**. The AISL program supports six types of projects: (1) Pilots and Feasibility Studies, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, (5) Literature Reviews, Syntheses, or Meta-Analyses, and (6) Conferences. [Important webinars are available October 9, October 17, and October 24](#). It is the job of the Principal Investigator (PI) to ensure that the project narrative, budget, and budget justification tell a single, connected story that makes a convincing argument for funding.

[STEM Pathways and Research Alliances - Louis Stokes Alliances for Minority Participation \(LSAMP\) – NSF](#) – **DUE November 16** New LSAMP Pre-Alliance Planning, and STEM Pathways Implementation-Only Projects.

[NSF Research Traineeship \(NRT\) Program](#) **Required LOI DUE Nov 26 – December 6; Full Proposal DUE February 6 2019**. The Research Traineeship 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 FY2019, proposals are requested in any interdisciplinary research theme of national priority, with special emphasis on the [NSF Research Big Ideas](#): (1) Harnessing the Data Revolution (HDR), The Future of Work at the Human-Technology Frontier (HTF), Navigating the New Arctic (NNA), Windows on the Universe: The Era of Multi-Messenger Astrophysics (WOU), The Quantum Leap: Leading the Next Quantum Revolution (QL), and Understanding the Rules of Life: Predicting Phenotype (ROL).

Environmental and Life Sciences

[Neotropical Migratory Bird IMPACT Grant Program – Conservation Act](#) **DUE November 6**. The IMPACT program targets a portion of NMBCA funding on a group of particularly threatened Neotropical migratory birds with the goal of achieving a measurable biological improvement in these species over the next 5-10 years. Twenty-five to 30 percent of available NMBCA funding will be dedicated in support of projects that propose to address these species and shorebird initiatives as outlined in these instructions. The remaining 70-75 percent of funds will be dedicated in support of the traditional NMBCA program, where conservation projects addressing any Neotropical migratory bird species are eligible.

[Office of Weather and Air Quality Research Programs – Department of Commerce](#) **LOI DUE October 26, October 9, November 2, November 9, and more** depending on area of

Funding Opportunities for AA West Hub

interest: 1) High Impact Weather Testbeds, 2) Joint Technology Transfer Initiative (JTII), 3) Air Quality Research and Forecasting, 4) Verification of the Origins of Rotation in Tornadoes Experiment - Southeast U.S. (VORTEX-SE), 5) Infrasound Detection of Tornadoes and High Impact Weather, 6) Next Generation of Mesoscale Weather Observing Platforms, 7) Snowpack and Soil Moisture Observations and Data Assimilation to Improve the National Water Model (NWM), and 8) Subseasonal to Seasonal (S2S).

[Water Resources Research Institute of the UNC System](#) **DUE November 12** for the Community Collaborative Research Grant (CCRG) and also for the Graduate Student RFP. The CCRG requires a collaborative approach between community stakeholders and academic expertise. The Graduate student opportunity is open to graduate students in North Carolina and they encourage submissions by and/or collaborative partnerships with minor sponsoring faculty, HBCUs, and/or MSIs.

[Opportunities for Promoting Understanding through Synthesis \(OPUS\) – NSF](#) **DUE November 19** OPUS offers two tracks: 1. Mid-career associate professor to enhance or develop new research capabilities through collaboration with a mentor who will enable new understanding of their research system and questions of interest; 2. Core Research Synthesis for an experienced investigator to revisit and synthesize a significant body of their prior research in a way that will enable new understanding of their research system and questions of interest.

[Climate Program – Department of Commerce](#) **DUE November 20**. CPO supports competitive research through **three major program areas**: Earth System Science and Modeling (ESSM); Climate and Societal Interactions (CSI); and Communication, Education and Engagement (CEE). Through this announcement, CPO is seeking applications for **10 individual competitions** in FY 2019. Prior to submitting applications, investigators are highly encouraged to learn more about CPO and its programs, as well as specific program priorities for FY 2019. In addition, interactions, partnerships, or collaborations with NOAA Laboratories and Cooperative Institutes are encouraged.

[Ecology and Evolution of Infectious Diseases – NSF](#) **DUE November 21** The multi-agency Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, and social principles and processes that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be quantitative or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease transmission and testing mathematical or computational models that elucidate infectious disease systems. 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. This includes, for example, the spread of pathogens; the influence of environmental factors such as climate; the population dynamics and genetics of reservoir species or hosts; the feedback between ecological transmission and evolutionary dynamics; and the cultural, social, behavioral, and economic dimensions of pathogen transmission.

Funding Opportunities for AA West Hub

Grants for Emerging Investigators

[Doctoral New Investigator Grants – ACS/PRF](#) **DUE October 19.** This opportunity is open to research grants for doctoral granting departments *including* interdisciplinary programs.

[Young Faculty Award \(YFA\) The Defense Advanced Research Projects Agency \(DARPA\)](#) **DUE November 13** The program aims to identify and engage rising stars in junior faculty positions in academia and equivalent positions at non-profit research institutions and expose them to Department of Defense (DoD) and National Security challenges and needs. In particular, this YFA will provide high-impact funding to elite researchers early in their careers to develop innovative new research directions in the context of enabling transformative DoD capabilities.

[Young Investigator Innovation Grants – American Foundation for Suicide Prevention.](#) **DUE November 15** Grants awarded to investigators at or below the level of assistant professor. These grants must allocate \$10,000 (\$5,000 per year) of their award for an established suicide researcher to mentor the Young Investigator. AFSP is available to assist you in identifying a suitable mentor.

Human Health and Disease & Rural Populations

[Basic Research in Cancer Health Disparities – NIH R01, R21](#) **DUE November 19** This Funding Opportunity Announcement (FOA) encourages grant applications from investigators interested in conducting basic, mechanistic research into the biological/genetic causes of cancer health disparities. These research project grants (R01) will support innovative studies designed to investigate biological/genetic bases of cancer disparities, such as (1) mechanistic studies of biological factors associated with cancer disparities, including those related to basic research in cancer biology or cancer prevention strategies, (2) the development and testing of new methodologies and models, and (3) secondary data analyses.

Humanities & Fine Arts

[Luce/ACLS Program in Religion, Journalism & International Affairs Fellowships](#) **DUE October 24.** These fellowships support scholars in the [humanities and related social sciences](#) who are pursuing research on any aspect of religion in international contexts and who desire to connect their specialist knowledge with journalists and media practitioners. The ultimate goal of the research should be a significant piece of scholarly work by the applicant and concrete steps to engage journalistic and media audiences.

[Dialogues on the Experience of War – NEH](#) **DUE November 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. Dialogues is primarily designed to reach military veterans; however, men and women in active service, military families, and interested members of the public may also participate.

Funding Opportunities for AA West Hub

[Documenting Endangered Languages – NEH and NSF](#). **DUE November 19** This funding partnership between the National Science Foundation (NSF) and the National Endowment for the Humanities (NEH) supports projects to develop and advance knowledge concerning endangered human languages. Made urgent by the imminent death of roughly half of the approximately 7000 currently used languages, this effort aims to exploit advances in information technology to build computational infrastructure for endangered language research. The program supports projects that contribute to data management and archiving, and to the development of the next generation of researchers. Funding can support fieldwork and other activities relevant to the digital recording, documenting, and archiving of endangered languages, including the preparation of lexicons, grammars, text samples, and databases. Funding will be available in the form of one- to three-year senior research grants, fellowships from six to twelve months, and conference proposals.

[Collaborative Research Grants – National Endowment for the Humanities](#) **DUE December 5**. Collaborative Research grants support groups of two or more scholars engaging in significant and sustained research in the humanities. The program seeks to encourage interdisciplinary work, both within the humanities and beyond. Projects that include partnerships with researchers from the natural and social sciences are encouraged, but they must remain firmly rooted in the humanities and must employ humanistic methods.

Marine and Coastal Systems

[Marine Debris Removal – NOAA](#) **DUE October 29**. Supports the development and implementation of locally-driven, marine debris prevention, assessment, and removal projects that benefit coastal habitat, waterways, and NOAA trust resources. Projects awarded through this grant competition will create long-term, quantifiable ecological habitat improvements for NOAA trust resources through on-the-ground marine debris removal activities, with priority for those targeting derelict fishing gear and other medium- and large-scale debris. Projects should also foster awareness of the effects of marine debris to further the conservation of living marine resource habitats, and contribute to the understanding of marine debris composition, distribution and impacts. Successful proposals through this solicitation will be funded through cooperative agreements. Funding of up to \$2,000,000 is expected to be available for Marine Debris Removal grants in Fiscal Year 2019. Typical awards will range from \$50,000 to \$150,000. For what's happening in the SE region:

<https://marinedebris.noaa.gov/southeast>

Multidisciplinary / Collaborative Opportunities

[Emerging Questions in Cancer Systems Biology \(U01\) – NIH](#). **DUE LOI 30 days before deadline (so, the LOI is due October 23; full proposal is due November 23)**. Through this FOA, the NIH will support well-defined, discrete and circumscribed Research Projects addressing emerging problems in cancer. The CSBC initiative aims to address challenges in cancer research through the use of experimental biology or population science combined with *in silico* modeling, multi-dimensional data analysis, and systems engineering. CSBC Research Projects are expected to involve *interdisciplinary teams of physical scientists* (e.g., engineers, chemists, computer scientists,

Funding Opportunities for AA West Hub

mathematicians, physicists, population scientists, statisticians, epidemiologists) *and cancer researchers* (e.g., cancer biologists, oncologists, pathologists and clinicians in relevant disciplines) who collaborate to advance our understanding of cancer biology and oncology. CSBC Research Projects proposed in response to this FOA must demonstrate explicit integration of experimental biology and computational modeling to test and validate novel hypotheses in cancer research. Due to the multi-disciplinary nature of the projects and the focus on collaboration and expertise sharing, this FOA strongly encourages the use of the multi-PD/PI mechanism. The CSBC Research Project PD/PI (contact PD/PI for applications with multiple PDs/Pis) should be a scientist with expertise in cancer systems biology.

[Collaborative Research in Computational Neuroscience \(CRCNS\) – NSF DUE November 27.](#)

Funding stems from the NSF, NIH, and agencies from Germany, France, Israel, and Spain. Computational neuroscience provides a theoretical foundation and a rich set of technical approaches for understanding complex neurobiological systems, building on the theory, methods, and findings of computer science, neuroscience, and numerous other disciplines. Two classes of proposals: 1. Collaborative Research project proposals; 2. Data Sharing Proposals. This opportunity is represented by the NSF directorates of Computer & Info Science & Engineering, Biological Sciences, Mathematical and Physical Sciences, Social, Behavioral & Economic Sciences. 15 to 25 awards; \$15M - \$20M

Social and Behavioral Sciences

[Mellon/ACLS Scholars & Society Fellowships DUE October 24](#) The goal of the fellowship year should be to conduct a major research project in the humanities or humanistic social sciences that treats a significant issue or grand challenge in society—such as democratic governance; technological change; racism and inequality; climate change; economic exclusion; or migration and immigration, to name a few possibilities.

[Pilot Innovation Grants – American Foundation for Suicide Prevention DUE November 15](#)

Awarded to investigators at any level, these grants provide seed funding for new projects that have the potential to lead to larger investigations. These grants typically entail feasibility studies rather than hypothesis-driven research. Examples include manual development and new biomarker development.

[Distinguished Investigator Innovation Grants – American Foundation for Suicide Prevention DUE November 15.](#) Awarded to investigators at the level of associate professor or higher who have contributed substantially to the research and publication record on suicide.

Forthcoming Deadlines

[Virtual Consortium for Translational/Transdisciplinary Environmental Research \(ViCTER\) \(R01 Clinical Trial Optional\) – NIH RFA-ES-18-007 DUE December 3](#)

Funding Opportunities for AA West Hub

[Digital Humanities Advancement Grants – NEH DUE January 15](#)

[Energy Efficiency & Renewable Energy \(EERE\) Funding Opportunity Exchange](#)

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

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](#)

[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/

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

Search Federal Agency Program Deadlines

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

Funding Opportunities for AA West Hub

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

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 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>