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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](#).

Undergraduate Research Faculty Travel Awards

Starting during the 2018-19 academic year, the Office of Undergraduate Research, REDE, will offer travel awards to ECU faculty members. These conference travel awards, which are set at a maximum of \$600, are awarded on a rolling basis to faculty who have carried out research and scholarship with undergraduate students. Students may also be supported by a student travel award for the same conference, if appropriate. REDE and the Office of Undergraduate Research is dedicated to supporting faculty mentors for undergraduate research. Conference travel is an important activity to stimulate and support research and scholarship among faculty. For faculty who are mentoring undergraduates, conference travel is a way to forge connections between the mentor and student or students on the research team. All travel awards are relatively small and are not expected to cover the entire cost of travel, so it is expected that both faculty and students use the awards from our office to leverage support from other sources.

Full rules for Undergraduate Research Faculty Travel Awards are found [here](#).

Apply for Undergraduate Research Faculty Travel Awards [here](#).

CET and Physical Sciences Opportunities

[NCI Small Grants Program for Cancer Research](#) **DUE October 26** supports small research projects on cancer that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

[Division of Chemistry: Disciplinary Research Programs \(CHE-DRP\) - NSF](#) **DUE October 1 through October 31** Limited PI coPI senior personnel role to only one per fiscal year, this is an opportunity to engage in innovation in the chemical sciences.

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[Innovative Concepts for Standard Modular Hydropower and Pumped-Stored Hydropower – Water Technologies Office DOE DE-FOA 0001836](#). **DUE 9-28** for Concept Paper; Full application **DUE 11-30**. [Review the webinar to explore](#) Topic Area 1: Facility Design Concepts for Standard Modular Hydropower Development and Topic Area 2: New Use Cases for Pumped-Storage Hydropower.

Education Research Opportunities

[Initiative to Maximize Research Education in Genomics: Diversity Action Plan – NIH R25](#) **DUE September 25** The R25 supports research education activities in the mission areas of the NIH. The over-arching goal of this NHGRI R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce in genomics. This funding opportunity announcement seeks to expose underrepresented students at the undergraduate, postbaccalaureate and graduate levels to the foundational sciences relevant to genomics to enable them to pursue careers that span all areas of interest to NHGRI--genome sciences, genomic medicine and genomics and society.

[American Educational Research Association Research Grants](#) – **DUE October 17** The AERA Grants Program supports highly competitive studies using rigorous quantitative methods to examine large-scale, education-related data. This research and training program is designed to advance knowledge and build research capacity in education and STEM education and learning.

[Improving Undergraduate STEM Education: Pathways into Geoscience \(IUSE: GEOPATHS\)](#). **LOI required DUE September 21; Full Proposal DUE November 19**. Recent reports on the *Status of the Geoscience Workforce 2016* report (References 6 & 7), published by the American Geosciences Institute (AGI), and related efforts to assess the educational and employment landscape within the geosciences (References 8 to 15), have documented clear evidence of this trend. Increasing the recruitment and retention of undergraduate students in geoscience courses might lead to more graduates in this discipline, however there are barriers that will need to be addressed. The geosciences differ from many other STEM disciplines in that there is not a well-defined pathway between high school, college education (both two-year and four-year), and graduate education or career options.

Environmental and Life Sciences

[Prediction of Resilience against Extreme Events \(PREEVENTS\) – NSF 16-562](#) **DUE September 18** Natural disasters cause thousands of deaths annually, and in 2013 alone caused over \$130 billion in damage worldwide. There is clear societal need to better understand and mitigate the risks posed to the US by natural hazards, consistent with the mandate of the National Science Foundation (NSF) “...to promote the progress of science [and] advance the national health, prosperity, and welfare...”

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[Exploration Grant – National Geographic Society](#) **DUE October 3.** Funding is available for an experienced investigator in areas of conservation, education, research, storytelling and technology. Range of support is between \$10k and \$30k.

[Recovery of Species on the Brink of Extinction – National Geographic Society](#) **DUE Oct 3**
Typical proposal requests should be less than \$30,000; however, applicants may request up to \$50,000. Successful applicants may use awarded funds over one or two years. Up to 20 percent of the total can be used as a stipend for the applicant and/or team members. Address specific and defensible priority actions to avert decline of species or group of species; include the active involvement of early career conservationists; support conservation leaders from countries where the species or groups of species occur.

[Participatory Citizen Science – National Geographic Society](#) **DUE October 3.** NGS seeks to support participatory science through the development or innovative use of data-driven, technology-powered tools that will increase the understanding, preservation, and protection of our planet. Applicants should design and/or implement tools that support citizen science work, particularly data collection or data analysis, in ways that create learning experiences for citizen scientists, including students.

[AI for Earth – Artificial Intelligence Tools for a More Sustainable Planet – National Geographic Society](#) **DUE October 8.** The National Geographic Society (NGS) and [Microsoft's AI for Earth](#) program are partnering to support the exploration of how AI can help us understand, engage, and protect the planet. Typical proposal requests should be less than \$100,000; however, applicants may request up to \$200,000. Successful applicants may use awarded funds over one year. NGS will provide for indirect costs (overhead) is 26.59% in accordance with its 2017 federal rate.

[Institutional Development Grant \(IDG\) – NCBC](#) **DUE October 10** Purchase equipment and/or instrumentation. 25% cash match requirement.

[Pilot Projects Investigating Understudied G Protein-Coupled Receptors, Ion Channels, and Protein Kinases R03 - NIH](#) **DUE LOI September 26; Full Proposal DUE October 26.** Small research (R03) grants provide flexibility for initiating discrete, well-defined projects that realistically can be completed in one year and require limited levels of funding. This program supports different types of projects including, but not limited to, the following:

- Small, self-contained research projects;
- Development of research methodology; and/or
- Development of new research technology.

[K07 Leadership Award – NIH National Institute on Aging](#) **DUE October 16** Provides support for senior investigators who are interested in improving the curricula and enhancing the health-related research capacity within an academic institution. Candidates for K07 awards from the National Institute on Aging (NIA) must have (1) acknowledged scientific expertise and leadership skills and (2) sufficient research or clinical training or teaching experience in aging and geriatric research to implement a program to advance a field of aging research within the sponsoring institution.

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Grants for Emerging Investigators

[Early Career Grant - National Geographic Society](#) **DUE October 3** Grant projects last one calendar year or less. If you apply for more than one year of funding, your proposal will be sent back to you to revise and resubmit for the next deadline. Projects are typically funded for US \$5,000 and cannot exceed US \$10,000.

[Innovative Project Award – American Heart Association](#). **LOI *required* DUE October 29.** Promotes unexplored, high-impact research ideas; preliminary data therefore is not required. Read the funding opportunity announcement guidelines carefully.

Human Health and Disease & Rural Populations

[Analyses of Adherence Strategies and Data Sets from CALERIE to Explore Behavioral and Psychosocial Aspects of Sustain Caloric Restriction in Humans – NIH R01](#) **DUE October 5**
[NIH R21 Exploratory/Developmental Research](#) **DUE October 16** The National Institute on Aging (NIA) invites applications for research projects (R01) involving secondary analyses of data in the Computerized Tracking System (CTS) database from the CALERIE (Comprehensive Assessment of Long-term Effects of Reducing Intake of Energy) trial to explore behavioral and psychosocial aspects of sustained caloric restriction (CR) in humans, including the translation of the CR adherence strategies used in the trial to promote healthy behaviors, especially for the prevention of weight gain with age.

Humanities & Fine Arts

[Making the Case for Nature - National Geographic Society](#) **DUE October 3** One of the greatest challenges in addressing wildlife issues is that simply communicating the science is often insufficient to inspire action. How might visual artists, photographers, and videographers more effectively create and use images or video to overcome apathy towards species? The goal of this RFP is to determine effective ways to market wildlife to inspire positive action to save species by applying principles of science communication.

[ArtWorks – NEA](#) **DUE October 9** Research: Art Works offers support for projects in two areas:

- **Track One: Value and Impact.** These are matching grants ranging from \$10,000-\$30,000 for research projects that aim to examine the value and/or impact of the arts in any topic area(s) by using data and methods appropriate to the proposed research questions. Projects relying primarily on experimental/quasi-experimental design methods should apply to Track Two.
- **Track Two: Experimental and Quasi-Experimental Designs.** These are matching grants ranging from \$30,000-\$100,000 for research projects that aim to test the causal or inferred-causal impact of the arts on individual or cohort outcomes by using experimental or quasi-experimental design methods appropriate to the proposed research questions. This Track is *only* for projects relying primarily on experimental or quasi-experimental research

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methods. *Projects that do not use experimental or quasi-experimental research methods will be considered ineligible if submitted under this track.*

[Fellowship – National Humanities Center](#) **DUE October 17.** Applicant fellows are accepted from fields of the humanities, social sciences the arts, natural sciences, and public life.

[The Smithsonian Institution Fellowship Program](#). **DUE November 1.** Senior Fellowships are available to applicants who have held a Ph.D. for at least 7 years. History; Social and cultural history; Anthropology including archaeology, cultural anthropology, linguistics.

Marine and Coastal Systems

[Conservation Technologies – New Methods of Monitoring Ecosystems Health – National Geographic Society](#) **DUE October 3** Examples of the types of tools that could be employed are new processing techniques for satellite data, advanced wildlife camera traps, or globally networked chemical and physical sensors. Typical proposal requests should be less than \$50,000; however, applicants may request up to \$150,000. Up to 20 percent of the total can be used as a stipend for the applicant and/or team members. Up to 15 percent can be used for institutional overhead for requests > \$50k.

[Reduce Marine Plastic Pollution – National Geographic Society](#) **DUE October 3** The goal of this RFP is to measurably reduce plastic pollution before it reaches the ocean. We seek scientists and innovators, including conservationists, educators, and storytellers, who develop or pilot solutions that stop pollution and/or effect behavior change in key stakeholders.

[FY 2019 Marine Fisheries Initiative \(MARFIN\) The National Marine Fisheries Service \(NMFS\)](#) **DUE October 23** Southeast Region, is seeking proposals under the Marine Fisheries Initiative Program (MARFIN), for research and development projects that optimize the use of fisheries in the Gulf of Mexico, Puerto Rico, the U.S. Virgin Islands, and off the South Atlantic states of North Carolina, South Carolina, Georgia, and Florida, involving the U.S. fishing industry (recreational and commercial), including fishery biology, resources assessment, socio-economic assessment, management and conservation, selected harvesting methods, and fish handling and processing. This program addresses NOAA's mission goal "Healthy Oceans."

[FY2019 Marine Debris Removal NOAA](#) **DUE October 29** Supports removal of derelict fishing gear and medium-to-large scale marine debris. For what's happening in the SE region: <https://marinedebris.noaa.gov/southeast>

Social and Behavioral Sciences

[Documenting Human Migrations – National Geographic Society](#) **DUE October 3** Priority will be given to projects that aim to do one or more of the following through education or storytelling: Document the cases and effects of one or more examples of present-day human migration;

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document the lives of present-day migrants, their journeys, and receiving communities; develop and test out classroom resources, curricula, or public outreach materials that aim to increase understanding of the migrant experience and acceptance of migrant communities.

[Uncovering Human Origins in Asia and Africa – National Geographic Society](#) **DUE October 3** Discover or explore new paleoanthropological fossil sites in Africa or Asia; design or test new methods for discovering or exploring those sites, develop local capacity in human origins exploration in Africa or Asia.

[NIDCD Research Career Enhancement Award for Established Investigators \(K19\) - NIH](#) **DUE October 9** This FOA is open to investigators holding the academic rank of Associate Professor or Professor. The research career development experience proposed must have the potential to substantially augment the research capabilities of the candidate at the applicant institution, and provide new research opportunities and benefits that would not be achievable through a collaborative research grant with the mentor(s). The research career enhancement experience should be tailored to the individual needs and level of experience of the candidate, and will generally incorporate two components: 1) didactic (e.g., directed study/tutorials, semester-long courses, short courses, seminar series, journal clubs) and/or laboratory-based training/instruction in the new discipline, techniques or technologies; and, 2) a small-scale research project in the host laboratory. The laboratory experience may comprise fundamental, translational or clinical/patient-oriented research (including epidemiologic, outcomes and health services research).

Forthcoming Deadlines

[STEM Pathways and Research Alliances - Louis Stokes Alliances for Minority Participation \(LSAMP\) – NSF](#) – **DUE November 16**

[Climate Program NOAA](#) **DUE November 20**

[Ecology and Evolution of Infectious Diseases – NSF](#) **DUE November 21**

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

[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](#)

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[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>

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

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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>