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Internal Grant Opportunities

There are currently two internal funding opportunities available! The Harriot College of Arts & Sciences requests applications by January 2, 2018 to its 2018 Conference Travel Grant Program, and the Division of Academic Affairs and Research, Economic Development and Engagement (REDE) requests applications from faculty in the Arts & Humanities Faculty Reassignment Grant. Due March 2, 2018. All details can be found by clicking here.

Federal Grant Application News

Grants.gov is shortly moving away from the PDF application forms. Instead, proposals will be prepared at the Grants.gov website using their Workspace environment. Investigators will need to create an account at Grants.gov in order to use Workspaces. They may do so at this link - https://apply07.grants.gov/apply/register.faces.

If you are unfamiliar with Workspace, please let OSP know – we are happy to provide an orientation.

CET Opportunities (see also Multidisciplinary)

**Campus Cyberinfrastructure (CC*) – NSF.** DUE January 30. The Campus Cyberinfrastructure (CC*) program invests in coordinated campus-level networking improvements, innovation, integration, and engineering for science applications and distributed research projects. Learning and workforce development (LWD) in cyberinfrastructure is explicitly addressed in the program.

**Defense Enterprise Science Initiative (DESI) - DoD Preproposal due January 5th; DUE February 28.** Four topic areas: Power Beaming; Highly-maneuverable autonomous UAV; Soft Active Composites with Intrinsic Sensing, Actuation, and Control; and Metamaterial-based Antennas. Alternate topics are encouraged, but “must represent an area where significant defense challenges exist, and that would benefit from a use-inspired basic research program by a university-industry partnership.” All projects require industry-university team.

**Division of Civil, Mechanical and Manufacturing Innovation (CMMI) - NSF.** DUE in window of January 10th to 24th.

**National Robotics Initiative 2.0: Ubiquitous Collaborative Robots (NRI-2.0) – NSF, USDA, DoD, DoE.** DUE February 20. The NRI-2.0 program builds upon the original NRI program to focus on ubiquity: the seamless integration of co-robots into every aspect of human society, and beyond. To achieve this goal, the NRI-2.0 program focuses on research into innovative computational algorithms, designs, modeling, and analytical techniques in four main areas critical to achieving ubiquitous co-robots: scalability, customizability, lowering barriers to entry, and societal impact.

**Partnerships for Innovation (PFI) – NSF.** DUE February 1 – limited submission. This solicitation offers two broad tracks for proposals in pursuit of six goals. The Technology
Funding Opportunities for AA West Hub

Translation (PFI-TT) track offers an NSF-funded researcher the opportunity to advance his or her prior NSF-funded research results towards developing technological innovations with promising commercial potential and societal impact. The Research Partnerships (PFI-RP) track supports a research consortium ecosystem focused on a clear project thrust. It allows for partnerships between academic researchers and a variety of third-party organizations (such as industry, non-academic research organizations, federal laboratories, public or non-profit technology transfer organizations, and/or other universities) to conduct applied research in highly collaborative, multidisciplinary teams, on problems typically beyond the reach of a single researcher.

Dear Colleague Letters – NSF

Cross-Cutting (primarily Biology) – “Rules of Life (RoL): Forecasting and Emergence in Living Systems (FELS).” For an EAGER or RAISE (interdisciplinary) proposal, a two-page summary addressing four eligibility criteria is due February 20. A FELS Conference proposal is due June 1.

Division of Chemistry – Due Soon in 2018

Directorate of Biological Sciences (BIO) – Implementation of “No Deadline.”

Core Values: Life STEM

Department of Defense Opportunities

Broad Agency Announcement BAA-18-100-SOL-00003 – Office of Biomedical Advanced Research and Development (BARDA) – white paper DUE January 31, 4:30 pm EST. Funding mechanism will be a contract, not a grant. There are 14 areas of interest, including diagnostics, devices, production platform systems, modeling, and visual analytics. Supports advanced research and development of medical countermeasures such as vaccines, therapeutics, and diagnostics to meet the threat of chemical biological, radiological and nuclear agents, emerging infectious diseases, and pandemic influenza.

Education Research

Low-cost, Short-duration Evaluation of Education Interventions and Special Education Interventions - IES Research and Training Grant Programs – LOI DUE January 11; Application available January 11. Full application due March 1, 2018. See also Multidisciplinary Research opportunity below.

NSF Science of Learning – DUE January 17, 2018. The goals of the SL Program are to develop basic theoretical insights and fundamental knowledge about learning principles, processes and constraints. Projects that are integrative and/or interdisciplinary may be especially valuable in moving basic understanding of learning forward but research with a single discipline or methodology is also appropriate if it addresses basic scientific questions in learning.
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Environmental & Life Sciences

National Estuarine Research Reserve System – Land Acquisition and Construction Program
Office for Coastal Management – NOAA DUE February 1
Open to coastal states. For approximately 1-10 construction and acquisition projects. An acquisition plan must identify the ecologically key land and water areas of the Reserve, rank these areas according to their relative importance, describe the methods of acquisition, and include a strategy for establishing adequate long-term state control over these areas sufficient to provide protection for reserve resources to ensure a stable environment for research. See 15 CFR 921.13(a)(7).

Research Project Grant R01 - NIH – DUE February 5 Clinical Trial not allowed. The NIH Research Project Grant supports a discrete, specified, circumscribed project in scientific areas that represent the investigators’ specific interests and competencies and that fall within the mission of the participating NIH Institutes and Centers (ICs). The R01 is the original, and historically the oldest, grant mechanism used by the NIH to support health-related research and development.

Division of Ocean Sciences – NSF. DUE February 15 (includes Biological Oceanography, Chemical Oceanography, Physical Oceanography, Ocean Technology and Interdisciplinary Coordination).

Small Research Grant Program R03 – NIH – DUE February 16 Clinical Trial not allowed.
Supports small research projects that can be carried out in a short period of time with limited resources. This program 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.

Exploratory Developmental Research Grant Program R21 – NIH - DUE February 16 Clinical Trial not allowed. 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.

Humanities & Fine Arts

Digital Humanities Advancement Grants – NEH. DUE January 16. Supports digital projects in any area of the humanities throughout their lifecycles, from early start-up phases through implementation and long-term sustainability. Experimentation, reuse, and extensibility are hallmarks of this grant category, leading to innovative work that can scale to enhance research, teaching, and public programming in the humanities.
Ethical, Legal, and Social Implications (ELSI) of Genomics Research Program Grant Program – R01, R03, and R21 mechanisms – NIH. DUE R01 February 5; DUE R03 and R21 February 16. Applications may propose studies using either single or mixed methods. Proposed approaches may include but are not limited to data-generating qualitative and quantitative approaches, legal, economic and normative analyses, and other types of analytical and conceptual research methodologies, such as those involving the direct engagement of stakeholders.

Public Scholar Program – Division of Research Programs – NEH. DUE February 7. The program supported well-researched books in the humanities intended to reach a broad public readership.

Grants for Scholarly Works in Biomedicine and Health (G13) – National Library of Medicine – NIH. DUE February 24. NLM Grants for Scholarly Works in Biomedicine and Health are awarded for the preparation of book-length manuscripts and other works of academic and/or public health policy value to U.S. health professionals, public health officials, biomedical researchers and historians of the health sciences.

International

International Research Experience for Students (IRES) – NSF. DUE January 30 (Track 1 – Sites).

Multi-disciplinary

Algorithms for Threat Detection – NSF and National Geospatial Intelligence Agency. DUE February 20. The Algorithms for Threat Detection (ATD) program supports research on new ways to use spatiotemporal datasets to develop quantitative models of human dynamics. The objectives include improved representation of complicated group dynamics and the development of algorithms that can process data in near-real-time to accurately identify unusual events and forecast future threats indicated by those events. Research among mathematical scientists and social, behavioral, and economic scientists are encouraged.

Biological Anthropology – NSF. DUE January 22. This program supports basic research in areas related to human evolution and contemporary human biological variation. The program frequently serves as a bridge within NSF between the social and behavioral sciences and the natural and physical sciences, and proposals commonly are jointly reviewed and funded with other programs.

Cyberlearning for Work at the Human-Technology Frontier - NSF. DUE January 8. The purpose of the program is to fund exploratory and synergistic research in learning technologies to prepare learners to excel in work at the human-technology frontier. This program responds to the pressing societal need to educate and re-educate learners of all ages (students, teachers and workers) in science, technology, engineering, and mathematics (STEM) content areas to
ultimately function in highly technological environments, including in collaboration with intelligent systems. Learning technology research in this program should be informed by the convergence of multiple disciplines: education and learning sciences, computer and information science and engineering, and cognitive, behavioral and social sciences. This program funds learning technology research in STEM and other foundational areas that enable STEM learning.

DARPA Biological Technology Office – HR00117S0030 Proposal Abstracts and Full Proposals accepted on a rolling basis UNTIL April 26, 2018. Proposed research should investigate leading edge approaches that enable revolutionary advances in science, technologies, or systems at the intersection of biology with engineering and the physical and computer sciences.

Smart and Connected Communities (S&CC) - NSF. LOI DUE January 30; proposal DUE February 28. The goal of this program is to accelerate the creation of the scientific and engineering foundations that will enable smart and connected communities to bring about new levels of economic opportunity and growth, safety and security, health and wellness, and overall quality of life. This goal will be achieved through integrative research projects that pair advances in technological and social dimensions with meaningful community engagement.

Cognitive Neuroscience (CogNeuro) – NSF. DUE February 21. CogNeuro is an interdisciplinary field of research to understand the neural basis of human cognition. The program seeks to fund highly innovative proposals that employ brain-based measurements in order to advance our understanding of the neural systems that mediate cognitive processes. Human cognitive science encompasses a wide range of topics, including attention, learning, memory, decision-making, language, social cognition, and emotions. Proposals will be considered that investigate a particular cognitive process using human brain data.

Physical Sciences

Advance Plant Technologies – DARPA. DUE Abstracts DUE January 11; Full Proposal DUE February 21. DARPA is looking to support groundbreaking advancements in robust plant-based sensing and reporting. Incremental improvements will not be supported. This is a broad agency announcement or a BAA to bid for a contract and not a grant. Careful planning is required. Consult with your Associate Dean for Research.

Biotechnology Innovation Grant (BIG) – Cycle 2 – NCBC. DUE February 21. University/industry partnership to uncover technical and commercial opportunities and weaknesses.

Defense Enterprise Science Initiative (DESI) - DoD DUE February 28. This opportunity invites university and industry teams to discover new solutions to challenging defense and national security problems (influence existing or new acquisition programs). Supports basic research. Preproposal due by email by January 5.
Social & Behavioral Sciences

**Developmental Sciences (DS) – NSF.** **DUE January 16** DS supports basic research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to human development across the lifespan. The budgets and durations of supported projects vary widely and are greatly influenced by the nature of the project. Investigators should focus on innovative, potentially transformative research plans and then develop a budget to support those activities, rather than starting with a budget number and working up to that value.

**Science, Technology, and Society (STS) - NSF.** **DUE February 2.** This funding opportunity supports research that uses historical, philosophical, and social scientific methods to investigate the intellectual, material, and social facets of the scientific, technological, engineering and mathematical (STEM) disciplines. It encompasses a broad spectrum of STS topics including interdisciplinary studies of ethics, equity, governance, and policy issues that are closely related to STEM disciplines, including medical science.

**Detecting and Preventing Suicide Behavior, Ideation and Self-Harm in Youth in Contact with the Juvenile Justice System – R01 – NIH Clinical Trial required. ** **DUE February 5** (standard deadline). This is a research project grant to test the effectiveness of combined strategies to both detect and intervene to reduce risk of suicide behavior.

**Effectiveness Trials for Post-Acute Interventions and Services to Optimize Longer-term Outcomes R01 – NIH. Clinical Trial required.** **DUE February 5.** NIMH seeks applications for research projects to evaluate the effectiveness of therapeutic and service delivery interventions for the post-acute management of mental health conditions affecting youth, adults, and older adults.

**Emerging Directions for Addressing Health Disparities in Alzheimer’s Disease R03 - NIH. DUE February 16.** This FOA invites applications proposing to study health disparities in Alzheimer’s disease (AD) and related disorders. Health disparities research related to AD should include the study of biological, behavioral, sociocultural and environmental factors that influence population level health differences. Research approaches of interest include 1) improving recruitment and retention of populations underrepresented in AD research, 2) identifying priority factors or locating pathways and mechanisms that create and sustain AD health disparities, 3) addressing the challenges faced by informal/family caregivers from diverse racial, ethnic and socioeconomic backgrounds that are associated with the growing population of individuals with Alzheimer’s Disease, and 4) understanding the disparities in access to and utilization of formal long-term supports and services for those with dementia.

**US Army Research Institute for the Behavioral and Social Sciences (ARI) – W911NF-13-R-0001.** This BAA expires **February 5th.** White papers not required. Topic areas: improving training in complex environments; improving leader and team performance; identifying, assessing, and assigning quality personnel; and understanding organizational behavior and network science.
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Grants for Early Scholar Investigators

**Ralph E. Powe Junior Faculty Enhancement Awards.** DUE January 8 for faculty in life sciences, mathematics, and physical sciences. Be sure to consult with ECU ORAU Member Councilor Dr. Jeffery Shinpaugh, Chair of Physics.

**Biological Research Grants-in-Aid – Whitehall Foundation** DUE January 15. Assistant Professors request support for innovative research projects.

**Small Grant Program R03 – NIH** DUE February 16. The NIH Small Research Grant Program supports small research projects that can be carried out in a short period of time with limited resources. This program 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. Clinical Trials are not allowed under this parent announcement.

Proposals Accepted at Any Time

**Democracy Small Grants Program General Competition – U.S. Embassy Ukraine.** This program supports projects that foster the development and education of civil society in Ukraine. It is a focused yet flexible mechanism that provides seed money for unique and sustainable projects, particularly projects that help develop the capacity and sustainability of non-governmental organizations in Ukraine.

**Alfred P. Sloan Grant Application Process – LOI** – no unsolicited proposals. Read tips for writing a successful grant proposal

**High-Risk Research in Biological Anthropology and Archaeology – NSF.** This program gives small awards that provide investigators with the opportunity to assess the feasibility of an anthropological research project. The information gathered may then be used as the basis for preparing a more fully developed research program. Projects which face severe time constraints because of transient phenomena or access to materials may also be considered.

**Hydrologic Sciences Program – NSF** supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components. The Hydrologic Sciences Program retains a strong focus on linking fluxes of water and the components carried by water across boundaries between various interacting facets of the terrestrial system and the mechanisms by which these fluxes co-organize over a variety of timescales and/or alter fundamentals of water cycle interactions within the terrestrial system. The Program is also interested in how water interacts with the landscape and the ecosystem as well as how the water cycle and its coupled processes are altered by land use and climate.

**Increase Higher Education Attainment – Lumina Foundation** – LOI Year Round. Check out the Grant Database Lumina’s strategic goal is to increase higher education attainment in the United
Funding Opportunities for AA West Hub

States 60% by 2025. Proposed work on student access and institutional success should be focused on attainment.

**National Energy Technology – DOE.** The sponsor considers proposals in all areas of energy and energy-related research and development with an emphasis on long-term, high-risk, high-payoff technologies. Any individual or organization may apply. In most cases the sponsor will fully fund the early phases of basic research and development, but subsequent commercialization phases will require cost sharing or cost participation.

**Veterans’ Employment and Training – Stand Down Grant Award – Department of Labor.** A Stand Down is a local community event where homeless veterans are provided a wide variety of jobs placement services, training, and incentives. Stand Down funding is provided in the form of non-competitive grants that are awarded on a first-come, first-served basis until available funding is exhausted.

### Supplemental Support

**Administrative Supplements to Existing NIH Grants and Cooperative Agreements**

Admin Suppl. can only be awarded to active NIH grants. Grants in NCE status are not eligible. Due dates may vary by awarding IC.

**NIBIB Supplements to NCATS CTSA Programs for Translational Research Teams of Quantitative Researchers and Clinician-Scientists**

DUE January 23, 2018 applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

**Supplemental Support: Summer Research Experiences for Students and Science Teachers – NIH. DUE January 31** If you have an active R01, R21, R15 you can apply for supplementary support from the National Institute of Environmental Health Sciences to support summer research experiences in environmental health science for high school students, college undergraduates, master’s degree candidates, medical students, secondary school science teachers, and science professors from R15/AREA grant eligible institutions. Administrative supplements must support work within the scope of the original project.

### Other

**NIH Loan Repayment Programs – the nuts and bolts** Let’s plan for next year.

Intramural/Extramural support. ECU applies to support the repayment of educational loans of its investigators.

**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** – Access the AA West HUB Website: [http://www.ecu.edu/cs-cas/oor/index.cfm](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

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/

NASA NSPIRES: ROSES_2016

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