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Population Health Interventions: Integrating Individual and Group Level Evidence – NIH R01

Self-Management Interventions and Technologies to Sustain Health and Optimize Functional Capabilities – NIH R01

Marine and Coastal Systems

NOAA RESTORE Science Program – NOAA

Social and Behavioral Sciences

Law and Social Sciences – NSF

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Methodology and Measurement in the Behavioral and Social Sciences – NIH R01

Typical and Atypical Patterns of Language & Literacy in Dual Language Learners – NIH R01

STEAM Education and Humanities

Documenting Endangered Languages – NEH

STEAM Education: Humanities Connections Planning Grants - NEH

STEAM Education: Humanities Collections Implementation Grants - NEH

Dialogues on the Experience of War – NEH

Proposals Accepted at Any Time

Atmospheric Chemistry – NSF

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

National Energy Technology – DOE

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Internal Grant Opportunities

Research Initiation Grant (RIG) - Thomas Harriot College of Arts & Sciences  DUE August 24, 2018-2019 seed grants support Arts & Sciences faculty starting up new scholarly, research or creative activities.

CET and Physical Sciences Opportunities

Disaster Resilience (DR) Research Grants Program 2018-NIST-DR  DUE August 27. This opportunity supports research aimed at advancing the principles of resilience in building design and building codes and standards. Research proposals must support the overall effort of developing science-based building codes by evaluating potential technologies and architectural design criteria to improve disaster resilience in the built environment. Research projects must be aligned with existing NIST Engineering Laboratory (EL) Disaster Resilience programs, as described in Section I. of this NOFO/Full Announcement, and any application that is non-research related (such as developing a product) will be disqualified.

Computer and Network Systems (CNS): Core Programs – NSF  DUE October 2; Small Projects DUE November 15 CISE’s Division of Computer and Network Systems (CNS) supports research and education projects that take a system-oriented approach to the development of novel computing and networking technologies, or to the enhancement of existing systems in any of several dimensions, or that explore new ways to make use of existing technologies.

Computational and Data-Enabled Science and Engineering - NSF  DUE Multiple deadlines – September 1 - 15, Division of Mathematical Sciences; September 1 – October 1, Division of Chemistry; September 1 – September 15, Directorate of Engineering’s Division of Civil, Mechanical and Manufacturing Innovation. RUI applications accepted.

Computing and Communication Foundations (CCF): Core Programs – NSF  Medium and Large Projects DUE September 24 – October 2; Large Projects DUE November 1 – November 15. CISE’s Division of Computing and Communication Foundations (CCF) supports research and education projects that develop new knowledge in four core programs:

- The Algorithmic Foundations (AF) program;
- The Communications and Information Foundations (CIF) program;
- The Foundations of Emerging Technologies (FET) program; and
- The Software and Hardware Foundations (SHF) program.

Division of Materials Research: Topical Materials Research Programs (DMR-TMRP) NSF  DUE October 1 – November 1 RUI/ROA proposals should be submitted through the RUI/ROA solicitation by the deadline date of this DMR-TMRP solicitation. This solicitation applies to the following six DMR Topical Materials Research Programs that fund research and educational projects by individual investigators or small groups: Biomaterials (BMAT), Condensed Matter Physics (CMP), Electronic and
Funding Opportunities for AA West Hub

Photonic Materials (EPM), Metals and Metallic Nanostructures (MMN), Polymers (POL), and Solid-State and Materials Chemistry (SSMC). It does not apply to the following two DMR Topical Materials Research Programs, which have their own solicitations: Ceramics (CER) (NSF 16-597) and Condensed Matter and Materials Theory (CMMT) (NSF 16-596).

Education Research Opportunities

Chemistry Research Experiences for Undergraduates (REU) – NSF, DUE August 22. REU sites and REU supplements are supported. Sites can be for a single discipline or department or interdisciplinary.

Institute of Education Sciences – DUE August 23 for Education Research Grants, Statistical and Research Methodology in Education, and Partnerships and Collaborations Focused on Problems of Practice or Policy. IES Funding Opportunities Webinars Available On Demand

IES has posted a number of informational and training webinars to help applicants prepare competitive proposals. No matter your proficiency, watch these in order to be sure you understand changes in priorities and criteria. These webinars are available on demand along with the PowerPoint slides here.

International Research Experiences for Students (IRES) – NSF, DUE September 11 and September 18. There are two tracks: Track I IRES Sites and Track II Advanced Studies Institutes (Track III New Concepts in International Graduate Experience is due February 13). Track I involves undergraduate and/or graduate students in high quality collaborate research at an international site; whereas Track II involves intensive short courses for advanced graduate students.

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.

Innovations in Graduate Education (IGE) – NSF, DUE September 27. This is a graduate STEM education training opportunity. Supports bold, new, and potentially transformative approaches to skills, knowledge and competencies development.

Exploration and Design Tier for Engaged Student Learning & Institution and Community Transformation – Improving Undergraduate STEM Education IUSE – NSF, DUE October '17 – October 1, '18. Offers two tracks Exploration and Design and Development and Implementation for two foci: 1) Engaged Student Learning 2) Institutional and Community Transformation. The aim of this opportunity is in the broader impacts.
Environmental and Life Sciences

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) – NSF DUE September 26. From the Directorates of Geosciences, SBE, and Engineering, the overarching goal of the INFEWS program is to catalyze well-integrated, convergent research to transform understanding of the FEW Nexus as integrated social, engineering, physical, and natural systems in order to improve system function and management, address system stress, increase resilience, and ensure sustainability.

Parkinson’s Disease Investigator-Initiated Research Award – CDMRP. Pre application (LOI) DUE September 17; Full application DUE October 3. Assistant Professor level or above. Clinical trials are not allowed. Supported highly rigorous, high-impact research projects that show potential to make an important contribution to Parkinson’s disease research and/or patient care. MUST address at least one of the FY18 PRP IIRA Focus Areas. Individual PI $1.5M; Partnering PI Option $2M.

Exploration Grant – National Geographic Society DUE October 3 Funds experienced project leader in the areas of conservation, education, research, storytelling, and technology. The applicant and his or her team members are expected to demonstrate successful completion of similar projects with measurable and/or tangible results. If you have received a grant from National Geographic in the past, you may submit a new proposal after you have closed your previous grant record.

Comparative Genomics Research Program – NIH R01 (clinical trials not allowed) DUE October 5 NHGRI invites applications for research developing comparative approaches that can be used to understand genome structure and function and the relationship between genomic features and phenotypes. This program supports studies that enable the use of a diverse array of species to advance our ability to understand basic biological processes related to human health and disease, as well as studies that develop novel analytical tools and resources for the comparative genomics research community.

Environmental Exposures and Health: Exploration of Non-Traditional Settings – NIH R01 DUE October 5; NIH R21 Exploratory/Developmental Grant DUE October 16 The purpose of this funding opportunity announcement (FOA) is to encourage interdisciplinary research aimed at promoting health, preventing and limiting symptoms and disease, and reducing health disparities across the lifespan for those living or spending time in non-traditional settings (i.e. playgrounds and nursing homes). These settings result in exposure to environmental pollutants and toxins that result in health risks, symptoms, and other health conditions/diseases; including lower respiratory disease, chronic obstructive pulmonary disease, cardiovascular disease, and complex environmental exposures that may be exacerbated by non-chemical stressors encountered in community settings, physiological function of organs and systems of the fetus/child/adolescence, and lower respiratory disease. Risk identification and symptom management include prevention and behavior changes and actions to maintain health and prevent disease with an emphasis on the individual, family, and community which will advance nursing science. For purposes of this FOA, non-traditional settings include, but are not limited to, places such as community centers; pre-school and non-traditional school environments (e.g., churches, daycare, home-based schools,
Funding Opportunities for AA West Hub

dormitories, alternative schools, and playgrounds); child and older adult foster care facilities; older adult day care facilities; half-way homes; and assisted living and long-term care facilities.

Role of Age-Associated Metabolic Changes in Alzheimer's Disease – NIH R01 DUE October 5; non-binding, unrequired LOI DUE September 5 This FOA encourages innovative experimental approaches to explore the molecular and cellular bases for age-related change in metabolism that impact the development of Alzheimer's disease (AD).

Comparative Biology of Neurodegeneration – NIH R21 DUE October 16 This FOA invites exploratory comparative biology research projects assessing how different animal species respond to challenges and damage to cellular physiology pathways that might influence the onset of Alzheimer’s and other neurodegenerative diseases as well as resilience to them, such as adaptation to stress, macromolecular damage, proteostasis and stem cell function and regeneration.

Development of Animal Models and Related Biological Materials for Research – NIH R21 DUE October 16 This funding opportunity announcement (FOA) encourages highly innovative research to develop, characterize or improve animal models and related biological materials for human health and disease or to improve diagnosis and control of diseases that might interfere with animal use for biomedical research purposes. The proposed project must fall within the categorical interests of two or more NIH institutions/centers. Applications to develop models that relate strictly to a specific disease or category of research will not be accepted and should be proposed to the appropriate categorical Institute or Center of the NIH.

Grants for Emerging Investigators

Parkinson’s Research Program Early Investigator Research Award – CDMRP. Pre-Application (LOI) DUE September 17; Full Application October 3. Clinical Trials are not allowed. Supports early-career investigators who have innovative, high-impact ideas or new technologies applicable to Parkinson's disease research and/or patient care. Must have a mentor Parkinson's disease researcher. MUST address FY18 PRP EIRA Focus Area.

Early Career Grant – National Geographic Society DUE October 3 Early Career Grants are designed to offer less experienced individuals an opportunity to lead a project.

Synthetic Biology for Engineering Applications – NIH R01 (clinical trial optional) DUE October 5 This Funding Opportunity Announcement (FOA) invites applications to conduct research to advance the understanding and application of synthetic biology for human health. It will support 1) the development of innovative tools and technologies in synthetic biology and 2) their application in biomedical research and human health. An integrative research plan based on collaborations of synthetic biologists with computational scientists, cell biologists, engineers, and/or physician scientists is strongly recommended. Early Stage Investigators in Synthetic Biology are especially encouraged to apply.

Exploratory/Developmental Research Grant Program – NIH R21 Parent DUE October 16 The NIH Exploratory/Developmental Grant 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.

**Small Research Grant – NIH Parent R03 DUE October 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.

### Human Health and Disease & Rural Populations

**Diet and Physical Activity Assessment Methodology – NIH R01 DUE October 5 and NIH R21 Exploratory/Developmental Research Grant DUE October 16** This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted to this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multi-dimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

**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.

**Population Health Interventions: Integrating Individual and Group Level Evidence – NIH R01 DUE October 5 and NIH R21 Exploratory/Developmental Research Grant DUE October 16** To improve health and reduce the burden of disease, scientific research needs to be implemented at the population level in addition to the biological and clinical levels. The purpose of this funding opportunity announcement (FOA) is to support multilevel, transdisciplinary population health interventions that target underlying social, economic, and environmental conditions in an effort to improve health outcomes. (Clinical trials not allowed.)

**Self-Management Interventions and Technologies to Sustain Health and Optimize Functional Capabilities – NIH R01 DUE October 5 and NIH R21 Exploratory/Developmental Research Grant DUE October 16** This Funding Opportunity Announcement (FOA) seeks clinical research on self-management interventions and technologies that improve
Funding Opportunities for AA West Hub

health and quality of life in persons needing assistance to optimize and maintain existing functional capabilities, prevent/delay disabilities and navigate their environment. The research focus encompasses maintenance/restorative care that can be tailored to individuals’ existing functional abilities and interests and is intended to enhance physical, sensory, motor, and mental capabilities. Of particular interest is research designed to maintain functional capabilities in such conditions as cardiac and respiratory insufficiency, movement impairment associated with arthritis, chronic back pain, stroke, and other physical or cognitive disabilities.

Marine and Coastal Systems

NOAA RESTORE Science Program – NOAA Due October 29. Supports projects of five years in duration with the option for a five year, non-competitive renewal award for high performing projects. This funding opportunity invites applications that propose to identify, track, understand, and/or predict trends and variability in the Gulf of Mexico's living coastal and marine resources and the processes driving them. Funding is contingent upon the availability of funds in the Gulf Coast Restoration Trust Fund. It is anticipated that final recommendations for funding under this Announcement will be made in June 2019, and that projects funded under this Announcement will have a September 1, 2019 start date. Total funding for this competition will be approximately $15 million over five years and approximately six projects may be funded. The minimum individual award amount is approximately $500,000 over five years (an average of $100,000 per year) and the maximum individual award amount is approximately $7.5 million over five years (an average of $1.5 million per year). An additional $15 million may be available for five year, non-competitive renewals for high performing projects. Electronic Access: The NOAA RESTORE Science Program website (http://restoreactscienceprogram.noaa.gov/) furnishes supplementary information. Full applications should be submitted through Grants.gov (http://www.grants.gov).

Social and Behavioral Sciences

Law and Social Sciences – NSF DUE August 1. Open to Standard and Collaborative Research and Interdisciplinary Postdoctoral Fellowships, the Program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. Social scientific studies of law often approach law as dynamic, made in multiple arenas, with the participation of multiple actors.


Methodology and Measurement in the Behavioral and Social Sciences – NIH R01 DUE October 5 and NIH R21 Exploratory/Developmental Research Grant DUE October 16. The purpose of this Funding Opportunity Announcement (FOA) is to invite qualified researchers to...
submit grant applications aimed at improving and developing methodology in the behavioral and social sciences through innovations in research design, measurement, data collection and data analysis techniques. (Clinical trial optional.)

**Typical and Atypical Patterns of Language & Literacy in Dual Language Learners – NIH R01 DUE October 5 and NIH R21 Exploratory/Developmental Research Grant DUE October 16.**
The purpose of this FOA is to support investigator-initiated R01 applications that will inform our understanding of the typical and atypical patterns of language and literacy development of dual language learners (DLLs) in the United States. Applicants are encouraged to take advantage of advances in the language sciences and related fields to identify and clarify specific cognitive, linguistic, neurobiological, and sociocultural factors associated with normal and impaired language and literacy acquisition in young DLL populations. (Clinical trial optional.)

**STEAM Education and Humanities**

**Documenting Endangered Languages – NEH, DUE September 18.** The potential applicant pool for this program is limited, since the study of endangered languages is a highly specialized field. Applications have therefore tended to be very strong, which has historically led to high funding ratios. There is imminent death of an estimated half of the 6-7 thousand languages used today. Awards support fieldwork and other activities relevant to recording, documenting, and archiving endangered languages, including the preparation of lexicons, grammars, text samples, and databases. DEL funding is available in the form of one- to three-year project grants as well as fellowships for six to twelve months. At least half the available funding will be awarded to projects involving fieldwork.

**STEAM Education: Humanities Connections Planning Grants - NEH DUE October 17**
Planning support for interdisciplinary collaboration of faculty from two or more departments or schools for up to 12 months is available. The planning committee will establish a planning process, define the rationale, design, and structure for ECU to sustain a continued effort. Can draw on current initiatives or curricular programs. A successful planning phase will show implementation readiness.

**STEAM Education: Humanities Connections Implementation Grants - NEH DUE October 17.**
The NEH supports implementation projects that broaden the role of the humanities in undergraduate education. Innovative curricular approaches to foster productive partnerships among humanities faculty and social science and natural science faculty (and health sciences, law, engineering, computer science and other technology-driven fields). Integrate subject matter, perspectives and goals of two (or more) one humanities one other disciplinary area; collaboration between those faculty; with experiential learning intrinsic to the curricular plan; and, demonstrate long-term institutional support for the proposed curriculum innovation(s).

**Dialogues on the Experience of War – NEH, DUE October 24.** Under its current initiative, Standing Together: The Humanities and the Experience of War, the NEH 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 by military service.

**Proposals Accepted at Any Time**

*Atmospheric Chemistry* – NSF  
*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.

**Anticipated Upcoming Deadlines**

*American Educational Research Association – Research Grants*  
*Ecology and Evolution of Infectious Diseases (EEID)*  
*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*  
*National Institutes of Justice forthcoming opportunities*  

**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/)
Funding Opportunities for AA West Hub

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

US Department of Education: http://www2.ed.gov/about/offices/list/ope/opeprogramguide.html


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

NASA NSPIRES: ROSES_2016

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