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Internal Grant Opportunities

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 has moved to using Workspace. Proposals will be prepared at the Grants.gov website using their Workspace environment. Investigators will need to create an account in Grants.gov in order to use Workspace at this link - https://apply07.grants.gov/apply/register.faces.

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

CET Opportunities (see also Multidisciplinary)

Innovation Corps - Nodes Program (I-Corps Nodes) – NSF. LOI DUE February 8. Through this solicitation, NSF is seeking to expand and sustain the network of Innovation Corps (I-Corps™) (hereinafter I-Corps) Nodes that work cooperatively to support the development of innovations that will benefit society. NSF plans to build upon the established National Innovation Network (consisting of I-Corps Nodes and Sites) to further support the needs for innovation research, education and training.

PFE: Research Initiation in Engineering Formation – NSF. DUE February 22. The PFE: Research Initiation in Engineering Formation (PFE: RIEF) program has two goals: 1) Support research in the Professional Formation of Engineers (PFE), and 2) Increase the community of researchers conducting PFE research. PIs are expected to have little or no experience conducting social science research. PFE: RIEF is not intended for established researchers in engineering education or other social science fields to initiate new projects.

Expeditions in Computing – NSF 18-528. Preliminary Proposal DUE April 25. An Expeditions proposal should have a long-term vision, with objectives that could not be attained simply by a collection of smaller proposals. Project descriptions must be comprehensive and well-integrated, and should make a convincing case that the collaborative contributions of the project team will be greater than the sum of their individual contributions.

Cross-cutting Funding Opportunities

Cross-Cutting (primarily Biology)- NSF – “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. Proposals funded via this DCL will help refine emerging research areas under the Rules of Life, one of the NSF's ten Big Ideas. In Rules of Life, "rules" are the general principles
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or theoretical constructs that explain and predict the characteristics of living systems. NSF seeks to identify rules for phenomena that cross spatial or organizational levels (from the molecular and sub-cellular to organisms, populations, communities, clades, and biomes) and/or temporal scales (e.g., from macromolecular folding to development to evolutionary processes across all of life).

**Integrative Strategies for Understanding Neural and Cognitive Systems – NSF. LOI DUE February 20.** Refer to the Dear Colleague Letter for Stimulation Education Neuroscientific Research below for more details. This call is for the Foundations focus and will support high-risk high-return projects that advance the foundations of one or more of these focus areas:

1. Neuroengineering and Brain-Inspired Concepts and Designs
2. Individuality and Variation
3. Cognitive and Neural Processes in Realistic, Complex Environments
4. Data-Intensive Neuroscience and Cognitive Science

**Critical Resilient Interdependent Infrastructure Systems and Processes 2.0 (CRISP) – NSF. DUE March 7.** This is a cross-cutting opportunity, overseen by the Directorate for Social, Behavioral & Economic Sciences and the Directorate for Engineering. Track 1 smaller scale 2-3 years, $750k early-concept, theoretical development or deep diving into one or more critical aspects of interdependent infrastructures; Type 2 larger-scale 3-4 years, $2-M. Infrastructure interdependency is now broadly defined as follows: two or more infrastructures are said to be interdependent if they require each other’s services or if the processes by which they deliver services can be affected by each other. This definition encompasses a broad range of bi-directional, direct and indirect influences, regardless of their nature, source, strength, or scale. Consistent with the broad, interdisciplinary scope of the CRISP 2.0 program, PIs are encouraged to explore bold, new perspectives on infrastructure interdependence, bring new lines of critique to existing perspectives, and discuss the implications for the design and management of the interdependent infrastructure systems.

**Dear Colleague Letters (DCL) – NSF**

**Division of Chemistry** – Supplemental Funding Requests for International Collaboration

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

**Core Values: Life STEM**

**Stimulating Education Neuroscientific Research**

**Education Research**

**Academic Research Enhancement Award (AREA) R15 – NIH DUE February 25** AREA grants create opportunities for scientists and institutions otherwise unlikely to participate extensively in NIH research programs to contribute to the Nation’s biomedical and behavioral research effort. AREA grants are intended to support small-scale research projects proposed by
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faculty members of eligible, domestic institutions, to expose undergraduate and/or graduate students to meritorious research projects, and to strengthen the research environment of the applicant institution.

**Environmental Education Local Grants Program for Region 4 – EPA. DUE March 15.** The purpose of the Program in Region 4 is to support locally-focused environmental education projects that increase public awareness and knowledge about environmental and conservation issues and provide the skills that participants in its funded projects need to make informed decisions and take responsible actions toward the environment. There is a 25% Match requirement.

### Environmental & Life Sciences

**Biological Oceanography – NSF DUE February 15.** Supports research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program for consideration are often interdisciplinary efforts that may include participation by other OCE Programs.

**Chemical Oceanography – NSF. DUE February 15.** Supports research into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere. Major emphases include: studies of material inputs to and outputs from marine waters; orthochemical and biological production and transformation of chemical compounds and phases within the marine system; and the determination of reaction rates and study of equilibria.

**Midcareer Investigator Award in Patient-Oriented Research – NIH Parent K24 DUE February 12.** The purpose of the NIH Midcareer Investigator Award in Patient-Oriented Research (K24) is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty.

**Mentored Quantitative Research Career Development Award – NIH Parent K25. DUE February 12.** The purpose of the Mentored Quantitative Research Career Development Award (K25) is to attract to NIH-relevant research those investigators whose quantitative science and engineering research has thus far not been focused primarily on questions of health and disease. The K25 award will provide support and "protected time" for a period of supervised study and research for productive professionals with quantitative (e.g., mathematics, statistics, economics, computer science, imaging science, informatics, physics, chemistry) and engineering backgrounds to integrate their expertise with NIH-relevant research.

**Physical Oceanography – NSF. DUE February 15.** Supports research on a wide range of topics associated with the structure and movement of the ocean.
**Funding Opportunities for AA West Hub**

**Biotechnology Innovation Grant – NCBC Cycle 2.** **DUE February 21 at Noon.** Supports studies that explore potential commercial applications of early-stage university life science inventions.

**The NIH Exploratory/Developmental Grant R21 – NIH.** **DUE February 16** 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. This Funding Opportunity Announcement does not accept clinical trials.

**Dimensions of Biodiversity – NSF.** **DUE February 28.** This campaign promotes novel integrative approaches to fill the most substantial gaps in our understanding of the diversity of life on Earth. It takes a broad view of biodiversity, and focuses on the intersection of genetic, phylogenetic, and functional dimensions of biodiversity. Successful proposals must integrate these three dimensions to understand interactions and feedbacks among them. While this focus complements several core programs in BIO, it differs by requiring that multiple dimensions of biodiversity be addressed simultaneously, in novel ways, to understand their synergistic roles in critical ecological and evolutionary processes, especially pertaining to the mechanisms driving the origin, maintenance, and functional roles of biodiversity. NSF International partnerships in Brazil, South Africa and China is of emphasis.

**Humanities & Fine Arts**

**ART WORKS – NEA.** **DUE February 15** Through project-based funding, the NEA support public engagement with, and access to, various forms of excellent art across the nation, the creation of art that meets the highest standards of excellence, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life. Projects may be large or small, existing or new, and may take place in any part of the nation’s 50 states, the District of Columbia, and U.S. territories.

The NEA encourage applications for artistically excellent projects that:
- Invite a dialogue that fosters a mutual respect for the diverse beliefs and values of all persons and groups.
- Enrich our humanity by broadening our understanding of ourselves as individuals and as a society.

**Military and Veterans Healing Arts Grants – NC Arts Council** **DUE March 1.** Organizations that provide high-quality artistic programs designed to serve audiences on the military continuum are eligible to apply. Projects that grow out of a strong collaboration between arts organizations and military bases, VA medical centers, or veterans service providers will receive priority in funding. Community arts organizations such as theaters, symphonies, and choral groups may apply for programs involving professional artists. University-based programs must focus on audiences outside the university community, and be part of an overall effort to reach audiences outside the university.
Program Support - NC Arts Council, DUE March 1. Organizations that contribute to the cultural and economic vitality of their communities and provide high-quality artistic programs. Community arts organizations such as community theaters, symphonies, and choral groups may apply for programs involving professional artists. University-based programs must focus on audiences outside the university community and be part of an overall effort to reach audiences outside the university.

NC Humanities Council Large Grants Program – Mandatory LOI DUE March 9; Final Full Proposal Due May 31. Large grants connect the public and quality scholarship through programs that respond to community interest, encourage dialogue, and stimulate audiences to think critically about a broad range of humanities topics. Large grant funded projects engage diverse audiences in the exploration of their personal and collective stories, asking fundamental questions about identity, work and culture. By providing a larger cultural, historical, and analytical framework, this grant category fosters more informed, understanding, and engaged citizens, thereby transforming lives and communities. Additionally, Large grant projects should encourage long-term collaborations and partnerships at the local, state and/or national level.

Infrastructure and Capacity Building Challenge Grants - NEH, DUE March 15. Non-federal, third-party match requirements: 1:3. Through these grants organizations can increase their humanities capacity with spend-down funds that generate expendable earnings to support and enhance ongoing program activities. Eligible activities include the documentation of cultural heritage materials that are lost or imperiled; the preservation and conservation of humanities materials; and the sustaining of digital scholarly infrastructure.

Multi-disciplinary

Cyberinfrastructure for Sustained Scientific Innovation (CSSI) – Data and Software: Elements and Frameworks – NSF 18-531 DUE April 18. The section summarizing priorities for collaborating NSF directorates and divisions has been updated for 2018. PIs have been encouraged to contact program officer(s) from the list of Cognizant Program Officers in the division(s) that typically support the scientists and engineers who would make use of the proposed work, to gain insight into the priorities for the relevant areas of science and engineering to which their proposals may be responsive. Directorates involved include: CISE; Biological Sciences; Engineering; Geosciences; Mathematical & Physical Sciences; and Social, Behavioral, & Economic Sciences.

Emerging Frontiers in Research and Innovation – NSF, DUE February 23. This solicitation is a funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in the following two research areas:

- Chromatin and Epigenetic Engineering (CEE)
- Continuum, Compliant, and Configurable Soft Robotics Engineering (C₃ SoRo)
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This solicitation will be coordinated with the Directorate for Biological Sciences (BIO) and the Directorate for Computer and Information Science and Engineering (CISE).

**Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics – NIJ. DUE March 12.** Enrolled in a STEM degree program, the student’s proposed dissertation research has demonstrable implications for addressing the challenges of preventing or controlling crime and/or the fair and impartial administration of criminal justice in the United States.

**Industry-University Cooperative Research Centers Program (IUCRC) – NSF 17-516.** Preliminary Proposal DUE April 18th. Centers are catalyzed by an NSF investment, and are primarily supported by industry. An IUCRC contributes to the nation’s research infrastructure base and enhances intellectual capacity of the engineering and science workforce through integration of research and education. Directorates involved: CISE; Engineering; and Geosciences.

**Physical Sciences**

**Algorithms for Threat Detection – NSF DUE February 19.** Supports research projects to develop the next generation of mathematical and statistical algorithms for analysis of large spatiotemporal datasets with application to quantitative models of human dynamics.

**Social & Behavioral Sciences**

**American National Election Studies Competition – NSF. LOI DUE February 21; Full proposal April 20.** Two awards. *One will be for the traditional face-to-face survey. The second will be for a web-based survey. While these will be independent awards, the two awardees will be expected to work closely together. The expected start date is July 2018. The mission of the ANES is to inform explanations of election outcomes by providing data that support rich hypothesis testing, maximize methodological excellence, measure many variables, and promote comparisons across people, contexts, and time. The ANES serves this mission by providing researchers with a view of the political world through the eyes of ordinary citizens.*

**Low-Cost, Short-Duration Evaluation of Special Education Interventions – IES CFDA 84.324L. DUE March 1.** The LOI was optional. Low-Cost Evaluation projects are expected to rely on administrative data or other sources of secondary data and grant funds are not to be used to collect primary data. Applicants must demonstrate that the intervention will be in operation during the first year of the project and that they will obtain and analyze data from that year.

**Graduate Research Fellowship in Social and Behavioral Sciences – NIJ DUE March 12.** The student’s proposed dissertation research has demonstrable implications for addressing the challenges of public safety, crime, and/or the fair and impartial administration of criminal justice in the United States.
Funding Opportunities for AA West Hub

Grants for Emerging Investigators

**Behavioral Science Track Award for Rapid Transition NIH RO# (Clinical Trial Optional)**

**DUE February 16.** This FOA will use an NIH Small Research Grant (R03) award mechanism and seeks to facilitate the entry of beginning investigators into the field of behavioral science research related to drug abuse. R03 projects will be supported for one year to allow gathering of pilot data with the intent that PDs/PIs become better positioned to seek additional support for independent research programs. To be appropriate for a B/Start award, research must be primarily focused on behavioral processes and research questions.

**Chemical Discovery (CHEM) Award – NIH (R21/R33)**

**DUE February 16.** The purpose of this FOA is to support the development of chemical probes that aid basic research investigations on substance use disorders (SUDs) or identify new lead chemical scaffolds with potential for structure activity relationship (SAR) studies on SUDs. In the long term, it is hoped that these lead chemical scaffolds will provide a greater number of pharmacological tools for basic research and possible drug candidates for medications development.

**Engineering NIBIB Trailblazer Award for New and Early Stage Investigators (R21)**

**DUE February 16.** This Trailblazer Award is an opportunity for New and Early Stage Investigators to pursue research programs of high interest to the NIBIB that integrate engineering and the physical sciences with the life and behavioral sciences. This FOA invites applications from researchers who are at the early stage of their independent careers or those who have not had substantial prior NIH funding. A Trailblazer project may be exploratory, developmental, proof of concept, or high risk-high impact, and may be technology design-directed, discovery-driven, or hypothesis-driven. Importantly, applicants are expected to propose research approaches for which there are minimal or no preliminary data.

**Small Grants for New Investigators to Promote Diversity in Health-Related Research – NIH R21**

**DUE February 16.** The purpose of this Funding Opportunity Announcement (FOA) is to provide support for New Investigators from backgrounds nationally underrepresented in biomedical and behavioral research to conduct small research projects in the scientific mission areas of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). The R21 is intended to support small research projects that can be carried out in a short period of time with limited resources and seeks to facilitate the transition to research independence of New Investigators from backgrounds underrepresented in the biomedical and behavioral sciences. The R21 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.

**Small Research Grant Program NIH R03**

**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.
Butler Williams Scholars Program 2018 – NIA. **DUE March 23.** The 2018 Butler-Williams Scholars Program (formerly the Summer Institute on Aging Research) includes lectures, seminars, and small group discussions in research design relative to aging, including health disparities research related to aging. Lectures will cover research topics including: the biology of aging; genetics and Alzheimer's disease; and health, behavior, and aging. Discussion sessions will focus on methodological approaches and interventions. The program also will include consultation on the development of research interests and advice on preparing and submitting research grant applications to NIA. Applications will be accepted from emerging researchers, including those who may have had limited involvement in research on aging.

Research and Evaluation on Violence Against Women – NIJ **DUE April 12.** The goals of the Violence Against Women (VAW) program of research are to promote the safety of women and girls and to enhance the efficiency and effectiveness of the criminal justice system’s response to these crimes. The program seeks to improve knowledge and understanding of teen dating violence, intimate partner violence, sexual violence, and stalking in order to reduce these violent crimes and enhance criminal justice engagement with victims through the following objectives: 1. Estimating the scope of the problem; 2. Identifying the causes and consequences of VAW; 3. Evaluating promising prevention and intervention programs; 4. Communicating research results rapidly; and 5. Supporting effective collaboration among a multidisciplinary set of researchers, practitioners, and policymakers in the conduct of research.
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Upcoming Deadlines

**Fellowships – NEH. DUE April 11.** Fellowships support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources in the humanities.

**National Geographic Society Standard Grants and Early Career Grant. DUE April 4.** The National Geographic Society awards grants for conservation, education, research, storytelling, and technology through its Committee for Research and Exploration. All proposed projects must be novel and exploratory, and be of broad interest. National Geographic Society grant-funded projects should be bold, innovative, and transformative.

**CHALLENGE AMERICA – NEA. DUE April 12.** The Challenge America category offers support primarily to small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability. This category supports focused, distinct projects that take place over limited periods of time and involve limited geographic areas. Such projects generally are smaller in scale and shorter in duration than those in the Art Works category. 1:1 match. $10,000 : $10,000.

**Cultivating Cultures for Ethical STEM – NSF. DUE April 17 – limited submission deadline February 26th.** Funds research projects that identify (1) factors that are effective in the formation of ethical STEM researchers and (2) approaches to developing those factors in all the fields of science and engineering that NSF supports. Successful proposals typically have a comparative dimension, either between or within institutional settings that differ along these or among other factors, and they specify plans for developing interventions that promote the effectiveness of identified factors.

**2019 National Urban and Community Forestry Grant Program – USDA. DUE April 30.** USDA-FS-UCF-01-2019 Funding Opportunity # in Grants.gov The [opportunity] seeks to establish sustainable urban and community forests, by encouraging communities of all sizes to manage and protect their natural resources, which, if well managed, improves the public's health, well-being, economic vitality, and creates resilient ecosystems for present and future generations.

**NSF-CBMS Regional Research Conferences in the Mathematical Sciences** DUE April 27.

**NOAA Coastal Resilience Grants Program – Department of Commerce. DUE May 7.** Search Grants.gov for this Funding Announcement # NOAA-NMFS-HCPO-2018-2005502.

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.

WHUB/gb with mm 2-2018
Funding Opportunities for AA West Hub

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.

**Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA) – NSF.** Representing All NSF Directorates, prospective PIs should contact disciplinary program officers to identify specific NSF programs and to determine the feasibility and timing of RUI/ROA requests. *RUI proposals support faculty in research that engages them in their professional field(s), builds capacity for research at their home institution, and supports the integration of research and undergraduate education.*

**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 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.
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Supplemental Support

Administrative Supplements to Existing NIH Grants and Cooperative Agreements UPDATE 1-26-18
Admin Suppl. can only be awarded to active NIH grants. Grants in NCE status are not eligible. Due dates may vary by awarding IC.

Research Supplements to Promote Diversity in Health-Related Research – NIH. UPDATED 1-24-18
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/

Research & Discovery – Access the AA West HUB Website: http://www.ecu.edu/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/oeprogramguide.html
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US Department of Justice: http://ojp.gov/funding/

NASA NSPIRES: ROSES_2016

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