Funding Bulletin
December 15th, 2017 (Vol. 5, No. 6)

Funding Information

To receive funding information, please contact funding@wichita.edu.

NOTICE – Notification for the current Funding Bulletin is sent via email. To be added to the electronic mailing list, send an email message to: *funding@wichita.edu.* Leave the subject line blank. In the message area, type: *sub funding bulletin.* To unsubscribe, type: *unsub funding bulletin.*

The selected compilation of funding opportunities is provided by RTT's Pre-Award Services as a resource for Wichita State University Researchers. We encourage you to utilize the campus subscription to PIVOT to find funding opportunities specifically tailored to your research area based on keywords you provide. PIVOT is easy to use and offers other valuable services that are helpful to researchers. Access is available at: *http://pivot.cos.com/home/index* or you may contact *funding@wichita.edu* to have a custom search ran.

Click on the links below to go directly to the named section included in this edition's bulletin

How to Apply

Proposal development requests should be sent to *proposals@wichita.edu.* Please click on the following link for information regarding proposal submission at WSU:

http://webs.wichita.edu/?u=WSURESEARCHADMIN&p=/Proposals/PreAwardServices/

OFFICE OF RESEARCH WORKSHOPS

For more information contact Kendra Nguyen at kendra.nguyen@wichita.edu or 978-3285.

For complete schedule go to: http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchworkshops/

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
Research Compliance Open Lab	Dec 20	9:00 – 11:00 a.m.	Devlin Hall Innovation Hub	The Research Compliance Office will hold an open lab for questions regarding hiring foreign nationals; shipping or receiving items from outside the US; international travel; review of Research projects for export compliance; conflicts of interest & management plans. ***This is a come and go lab with no registration required.***
Pivot Open Lab	Jan 25	2:30 – 4:00 p.m.	409E Jardine	PIVOT open labs are to assist faculty and staff who are interested in identifying external funding sources. ***This is a come and go lab with no registration required.***

NOTICES

Funding Bulletin Survey – your feedback is appreciated!

The Office of Research has created a short survey to gage user satisfaction for our Funding Bulletin; please take a couple minutes to tell us your thoughts about it. Participation is confidential and optional; results will be utilized to evaluate customer satisfaction with funding search support. Your feedback is appreciated! Please follow the link below to access the survey:

https://wichitastate.co1.qualtrics.com/jfe/form/SV_9AHfbwsfnD8Y6a1

Curious to see who's receiving external funding on campus?!? Check out the Office of Research's Monthly Awards

http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchmonthlyawards/jan17/

INTERNAL OPPORTUNTIES

DEADLINE EXTENDED TO FRIDAY, JANUARY 5th!!!
Excellence Awards
Wichita State University
Nominations Due: 1/5/2018

Wichita State University Excellence in Creative Activity Award:
This award will be made annually to a Wichita State University faculty member who has, in the judgment of his or her peers, established an exemplary and demonstrable record of creative activity which has not only increased the faculty member's reputation, but has also brought recognition to the University.

Wichita State University Award for Community Research:
This award will be made annually to a Wichita State University faculty member who has established an exemplary and demonstrable record of scholarship extended to external constituents resulting in a significant outcome for individuals, organizations, or communities in problem solving or development.

Wichita State University Excellence in Research Award:
This award is made annually to a Wichita State University faculty member who has, in the judgment of his or her peers, established an exemplary and demonstrable record of research which has not only enhanced the faculty member's career, but has also advanced the University's research mission.

For more information, visit:
http://webs.wichita.edu/?u=wsuresearchadmin&p=/excellenceawards/excellenceawards/

Award for Research/Creative Projects (ARC)
Wichita State University
Due Date: 2/3/2018

Award for Research/Creative projects provide salary/fringes of $3,000* for 2 months, plus $1,000 for other operating expenses (total of $4,000) to enable faculty to pursue research or creative projects during the summer.

- **URL:** *http://webs.wichita.edu/?u=wsuresearchadmin&p=/orainternalgrants/orainternalgrants/*

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LIMITED SUBMISSIONS

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Karen Davis, Director of Pre-Award Services, is the internal coordinator for limited submission programs. Please notify *proposals@wichita.edu*, by the internal Notice of Intent (NOI) due date listed in the Funding Bulletin if you wish to submit a limited submission program. **Because many limited submission programs often have short turnaround times, it is important that researchers also periodically check the Office of Research's *Limited Submission Opportunities* webpage for additional opportunities that may not have made it into the bulletin. There are currently *eight* open limited submission competitions:**

(1) Regional Public Health Training Centers (PHTC) Program
Health Resources and Services Administration (HRSA)
Due Date: Internal NOIs 12/15/2017; Application 1/19/2018

The Regional PHTC Program seeks to increase the number of individuals in the public health workforce, enhance the quality of this workforce, and improve the ability of this workforce to meet national, state, and local health care needs. Specifically this program aims to strengthen the public health workforce through tailored training and technical assistance involving collaborative, community-based projects. Training curricula will provide skill-based, interactive instruction and quality education using multiple modalities (i.e., synchronous, asynchronous, distance-based, bi-directional video), underscoring the following eight cross-cutting core public health competency domains in the primary areas of (1) systems thinking, (2) change management, and (3) persuasive communication; and secondary areas of (4) data analytics, (5) problem solving, (6) training a "health work force [sic] that reflects and responds to the cultural diversity of populations served" as supported by section 766(b)(1),(7) resource management, and (8) policy engagement. Each PHTC must develop trainings in the three primary areas and may develop trainings in the secondary areas and beyond based on the results from local health needs assessments. Among the local health needs, recipients are encouraged to consider addressing the clinical priorities of the HHS including mental health, opioid abuse, and childhood obesity. Moreover, the program aims to establish and enhance collaborative partnerships among state and local health departments, primary care providers, and related organizations (to include non-traditional partners) as they work together to address critical local public health needs. **HRSA-18-017** *Multiple applications from an organization are not allowable.*

Program Requirements:
Regional PHTCs are required to fulfill the following statutory requirements:
1. Designate a geographic area or medically underserved population to be served by the Center, located apart from the teaching facility of the school that is participating in the program with this Center;

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2. Involve faculty members and students in collaborative projects to enhance public health services to medically underserved communities to better address issues related to the social determinants of health;

3. Assess the health personnel needs of the area to be served by the center by assessing the real-time public health issues, health personnel needs, and training gaps of the area to be served by the Center and assist in the planning and development of training programs to meet these needs. Again, applicants are encouraged to consider addressing the clinical priorities of HHS including mental health, opioid abuse, and childhood obesity; and

4. Establish or strengthen field placements for students at public or nonprofit health agencies or organizations, including hospitals, community-based health care facilities, and non-traditional health care settings

- **URL:** *https://www.grants.gov/custom/viewOppDetails.jsp?oppId=298666*

(2) Partnerships for Research and Education in Materials (PREM)
National Science Foundation (NSF)
Due Date: Internal NOIs 12/15/2017; Full Proposal 1/29/2018

The DMR Partnerships for Research and Education in Materials Research (PREM) program aims to enable, build, and grow partnerships between minority-serving institutions and DMR-supported centers and/or facilities to increase recruitment, retention and degree attainment (which defines the PREM pathway) by members of those groups most underrepresented in materials research, and at the same time support excellent research and education endeavors that strengthen such partnerships. **NSF 17-599** *Limit one proposal per organization.*

- **URL:** *https://www.nsf.gov/pubs/2017/nsf17599/nsf17599.htm*

(3) Nurse Education, Practice, Quality and Retention (NEPQR) – Registered Nurses in Primary Care (RNPC) Training Program
Health Resources and Services Administration (HRSA)
Due Date: Internal NOIs: 12/22/2017; Application 1/29/2018

Notice supporting efforts to provide a four-year training program to recruit and train nursing students and current registered nurses to practice at the full scope of their license in community-based primary care teams. Funds support efforts to achieve a sustainable primary care nursing workforce equipped with the competencies necessary to address pressing national public health issues, even the distribution of the nursing workforce, improve access to care and improve population health outcomes

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by strengthening the capacity for basic nurse education and practice and addressing national nursing needs under three priority areas: education, practice and retention. Applicants must be accredited schools of nursing. The FY 2018 President's Budget does not request funding for this program. This notice is a contingency action taken to ensure that, should funds become available for this purpose, applications can be processed, and funds awarded in a timely manner. **HRSA-18-012** *Eligible applicants may submit only one application in response to this NOFO*

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=298592*

(4) Partnerships for Innovation (PFI)
National Science Foundation (NSF)
Due Date: Internal NOIs 12/15/2017; Applications 2/1/2018

The NSF Partnerships for Innovation (PFI) Program within the Division of Industrial Innovation and Partnerships (IIP) offers researchers the opportunity to transform new knowledge into societal benefits through translational research and technology development efforts which catalyze partnerships to accelerate innovations that address significant societal needs. **NSF 18-511**

PFI has six broad goals:
 (1) identifying and supporting Foundation-sponsored research and technologies that have the potential for accelerated commercialization;
(2) supporting prior or current Foundation-sponsored researchers, institutions of higher education, and non-profit organizations that partner with an institution of higher education to undertake proof-of-concept work, including the development of technology prototypes that are derived from NSF-funded research and have potential market value;
(3) promoting sustainable partnerships between Foundation-funded institutions, industry, and other organizations within academia and the private sector with the purpose of accelerating the transfer of technology;
(4) developing multi-disciplinary innovation ecosystems which involve and are responsive to the specific needs of academia and industry;
(5) catalyzing professional development activities, mentoring, and best practices in entrepreneurship and technology translation for faculty, students and researchers; and
(6) expanding the participation of women and individuals from underrepresented groups in innovation, technology translation, and entrepreneurship.

This solicitation offers two broad tracks for proposals in pursuit of the six aforementioned goals:
The Technology Translation (PFI-TT) track
The Research Partnerships (PFI-RP) track

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An organization may submit no more than two (2) proposals to this solicitation. This eligibility constraint will be strictly enforced. In the event that an organization exceeds this limit, the first two proposals received will be accepted, and the remainder will be returned without review. An organization will not receive more than one (1) award from this solicitation.

- **URL:** *https://www.nsf.gov/pubs/2018/nsf18511/nsf18511.htm*

(5) Grants
Honda Corporate - American Honda Foundation
Due Date: Internal NOIs 12/15/2017; Application 2/1/2018

The American Honda Foundation engages in grant making that reflects the basic tenets, beliefs and philosophies of Honda companies, which are characterized by the following qualities: imaginative, creative, youthful, forward-thinking, scientific, humanistic and innovative. We support youth education with a specific focus on the STEM (science, technology, engineering and mathematics) subjects in addition to the environment.

Funding Priorities:
Youth education, specifically in the areas of science, technology, engineering, mathematics, the environment, job training and literacy.

Organizations may only submit one request in a 12-month period. This includes colleges and universities with several departments/outreach programs.

- **URL:** *https://www.honda.com/community/applying-for-a-grant*

(6) NEA Art Works
National Endowment for the Arts (NEA)
Due Internal NOI 1/12/2018; Date: 2/15/2018 (Submit SF-424 to Grants.gov); 2/27/2018 (Submit Materials to NEA-GO)

Art Works is the National Endowment for the Arts' principal grants program. Through project-based funding, we 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. **2018NEA01AW1** *An organization may submit only one application through one*

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of the following FY 2018 categories: Art Works or Challenge America. An organization may submit one additional application under the FY 2018 Art Works category for a Creativity Connects project.

We encourage applications for artistically excellent projects that:
- Celebrate America's creativity and cultural heritage.
- 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.

- **URL:** *https://www.arts.gov/grants-organizations/art-works/application-calendar*

(7) Grants to Organizations
Graham Foundation for Advanced Studies in the Fine Arts
Due Date: Internal NOIs 1/19/2018; Applications 2/25/2018

For organizations, the foundation's priorities are to:
- assist with the production and presentation of significant programs about architecture and the designed environment in order to promote dialogue, raise awareness, and develop new and wider audiences;
- support them in their effort to take risks in programming and create opportunities for experimentation;
- recognize the vital role they play in providing individuals with a public forum in which to present their work; and
- help them to realize projects that would otherwise not be possible without the foundation's support.

Overall the foundation is most interested in opportunities that enable it to provide critical support at key points in the development of a project or career. The foundation offers Production and Presentation Grants to organizations. These grants assist organizations with the production-related expenses that are necessary to take a project from conceptualization to realization and public presentation. These projects include, but are not limited to, publications, exhibitions, installations, films, new media projects, conferences/lectures, and other public programs. Projects must have clearly defined goals, work plans, budgets, and production and dissemination plans. *An organization or academic department/unit may only apply for one grant per year. (In the case of large institutions with multiple departments, a subsidiary department/unit may apply for one grant per year. For example, an academic department/unit at a university may apply for one grant per year.)*

- **URL:** *http://www.grahamfoundation.org/grant_programs/?mode=organization*

(8) American National Election Studies (ANES) Competition
National Science Foundation (NSF)
Due Date: Internal NOIs 1/19/2018; Letter of Intent 2/21/2018; Full Proposal 4/20/2018

The American National Election Studies (ANES) produce high quality data from its own surveys on voting, public opinion, and political participation. 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. The Political Science Program in the Directorate for Social, Behavioral and Economic Sciences expects to make two awards for the 2020 Presidential election cycle with the award to run from fiscal years 2018 to 2021. We anticipate that NSF will make two awards totaling no more than $11.5 million over four years. 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. ANES started in 1948. Since then, the project has conducted a survey during each presidential election. One of the unique attributes of ANES is that for each election respondents have been surveyed prior to the Presidential election and then after the election. These pre and post surveys provide a unique look at how Americans participate in politics and why. These cross-sectional surveys have been conducted using random sampling with the sampling scheme being relatively stable over time. The content of the survey has also stayed relatively stable over time though there has been the introduction of new topics, the deletion of old topics, and changes in question wording. To insure the integrity of the survey, it was decided in 1977 that the principal investigator(s) would be advised by a national Board of Overseers that would be representative of the community of scholars interested in American national elections. The National Science Foundation has helped to support this enterprise since 1970. During this period, the survey has been conducted primarily using a face to face design where trained interviewers go into households to conduct their interviews. In addition to face to face surveys, ANES has conducted mode comparisons using random digit dialing (RDD) and, in recent years, web-based platforms. ANES has also conducted several other enhancements. For instance, several panel studies have been conducted including a 29-wave panel study conducted around the 2008 election. Other innovations have included oversamples of African Americans, oversamples of Hispanics with the instrument translated into Spanish and surveys conducted by bi-lingual interviewers, experimentation with new instrumentation, recruitment of respondents, etc. **NSF 18-519** *Institutions are restricted to submitting only one proposal for this solicitation.*

- **URL:** *https://www.nsf.gov/pubs/2018/nsf18519/nsf18519.htm*

ARTS & HUMANITIES

Access to Historical Records - Major Initiatives
National Archives and Records Administration (NARA) - National Historical Publications and Records Commission (NHPRC)
Due Date: Preliminary Proposals 1/18/2018; Full Proposals 7/11/2018

The National Historical Publications and Records Commission seeks projects that will significantly improve public discovery and use of major historical records collections. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images. Projects may:

- Digitize historical records collections, or related collections, held by a single institution and make them freely available online
- Create new freely-available virtual collections drawn from historical records held by multiple institutions
- Provide access to born-digital records
- Create new tools and methods for users to access records

The NHPRC welcomes collaborative projects, particularly for bringing together related records from multiple institutions. Projects that address significant needs in the field and result in replicable and scalable approaches will be more competitive. We also encourage organizations to actively engage the public in the work of the project. **MAJOR-201807**

- **URL:** *https://www.archives.gov/nhprc/announcement/major.html*

Humanities Grants
Kansas Humanities Council (KHC)
Due Date: SPRING 2018 - Project Drafts 1/31/2018; Applications 2/21/2018
SUMMER 2018 - Project Drafts 4/25/2018; Applications 5/30/2018
FALL 2018 – Project Drafts 8/29/2018; Applications 9/26/2018

Humanities Grants support projects that engage the public with the humanities.

Goals:
1. Connect Kansans with ideas, people, and places from across time and generations.
2. Engage citizens in discussions about a humanities theme or topic.

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3. Offer multiple points of view for the public to consider.
4. Strengthen sense of community.

Projects eligible for humanities grant support include a series of public programs specific to a humanities theme, museum exhibitions, film and book discussions, the creation of short documentary films, full-length film documentaries, media projects, and other creative activities.

- **URL:** *http://kansashumanities.org/kansas-grants/humanities-grants/*

Public Scholar Program
National Endowment for the Humanities (NEH)
Due Date: 2/7/2018

The Public Scholar Program supports well-researched books in the humanities intended to reach a broad readership. Some humanities scholarship is necessarily specialized, but the humanities can also engage broad audiences in exploring subjects of general interest. Such scholarship might present a narrative history, tell the stories of important individuals, analyze significant texts, provide a synthesis of ideas, revive interest in a neglected subject, or examine the latest thinking on a topic. Books supported by this program must be grounded in humanities research and scholarship, making appropriate use of primary and/or secondary sources. They must also be written in a readily accessible style, addressing significant humanities themes in a way that will appeal to a large audience of general readers. Applications to write books directed primarily to scholars are not appropriate for this program. By establishing the Public Scholar Program, NEH has entered a long-term commitment to encourage scholarship in the humanities for general audiences. The program is open to both individuals affiliated with scholarly institutions and to independent scholars, researchers, and writers. Projects may be at any stage of development. **20180207-FZ**

- **URL:** *https://www.neh.gov/grants/research/public-scholar-program*

Museums Empowered: Professional Development Opportunities for Museum Staff - A Museums for America Special Initiative
Institute of Museum and Library Services (IMLS)
Due Date: 3/1/2018

The goal of the Museums for America (MFA) program is to support projects that strengthen the ability of an individual museum to serve its public. Museums Empowered: Professional Development Opportunities for Museum Staff is a special MFA initiative with the goal of strengthening the ability of

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an individual museum to serve its public through professional development activities that cross-cut various departments to generate systemic change within the museum. IMLS encourages applicants to invest in the professional development of museum staff, volunteers, and interns to enhance their skills and ensure the highest standards in all aspects of museum operations.

To support and empower museums of all sizes and disciplines in responding to the evolving needs of the museum profession and changes in their communities, this MFA special initiative has four project categories for professional development:
1. Digital Technology
2. Diversity and Inclusion
3. Evaluation
4. Organizational Management

Potential projects will address one of these four priority areas and help strengthen the ability of an individual museum to better serve its public. **ME-FY18**

- **URL:** *https://www.imls.gov/grants/available/museums-empowered-professional-development-opportunities-museum-staff*

NEA Literature Fellowships: Creative Writing
National Endowment for the Arts (NEA)
Due Date: 3/7/2018

The National Endowment for the Arts Literature Fellowships program offers grants in prose (fiction and creative nonfiction) and poetry to published creative writers that enable recipients to set aside time for writing, research, travel, and general career advancement. Applications are reviewed through an anonymous process in which the only criteria for review are artistic excellence and artistic merit. To review the applications, the National Endowment for the Arts assembles a different advisory panel every year, each diverse with regard to geography, race and ethnicity, and artistic points of view. **2018NEA03LFCW**

- **URL:** *https://www.arts.gov/grants-individuals/creative-writing-fellowships/grant-program-description*

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Digital Resources Grants Program
Samuel H. Kress Foundation
Due Date: 4/1/2018, 9/30/2018

The Digital Resources program is intended to foster new forms of research and collaboration as well as new approaches to teaching and learning. The program supports efforts to integrate new technologies into the practice of art history and the creation of important online resources in art history, including both textual and visual resources. Support will also be offered for the digitization of important visual resources (especially art history photographic archives) in the area of pre-modern European art history; of primary textual sources (especially the literary and documentary sources of European art history); for promising initiatives in online publishing; and for innovative experiments in the field of digital art history. Please note that this grant program does not typically support the digitization of museum object collections.

- **URL:** *http://www.kressfoundation.org/grants/digital_resources/*

EDUCATION

Small Research Grants
Spencer Foundation
Due Date: 2/1/2018, 5/1/2018, 8/1/2018

The Small Research Grants program is intended to support education research projects with budgets of $50,000 or less. In keeping with the Spencer Foundation's mission, this program aims to fund academic work that will contribute to the improvement of education, broadly conceived. In the past, the sponsor has requested that proposals within the Small Grants program be submitted within one of the areas of inquiry listed below. The Foundation does not use this information in the review process, but captures it in the application to better understand the variety of research that is proposed.

The areas are broadly organized as follows:
Field-Initiated: Proposals in this area are those that fall under the Spencer Foundation's general mission of funding research on education, but don't appear to fit in one of the areas mentioned below.
The Relation between Education and Social Opportunity: This area would include projects that seek to shed light on the role education can play in reducing economic and social inequalities -- as well as, sometimes, reinforcing them -- and to find ways to more fully realize education's potential to promote more equal opportunity.
Teaching, Learning, and Instructional Resources: Studies in this area would be those that will lead to better understanding and improvements in the intellectual, material, and organizational resources that contribute to successful teaching and learning.
The New Civics: This area represents the broader Foundation belief that cultivating knowledge and new ideas about civic education will ultimately improve students' lives and enrich society. The designation "new" refers to an expanded understanding of civic education and its relationship to civic action.
Organizational Learning in Schools, School Systems, and Higher Education Systems: Research in this area would contribute to strengthening the capacity of schools and education systems to operate as learning organizations.
Purposes and Values of Education: Proposals in this area would be interested in advancing analytical, historical, and empirical work that probes effectively and creatively into deeply challenging and permanently important issues which can contribute toward social decision-making that moves education along constructive paths.

- **URL:** *https://www.spencer.org/small-research-grants*

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ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

DoD Broad Agency Announcement (BAA)
U.S. Department of Defense (DoD)
Due Date: White papers 12/21/2017

Notice seeking white papers that demonstrate and validate innovative, sustainable, and cost-effective technologies and/or methodologies that will lead to more efficient and effective solutions for environmental restoration and compliance concerns across the Air Force and serve the Air Force's future environmental needs.

- **URL:**[*https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=5f44d77ed54e263f88c7b11f59df71b0*](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=5f44d77ed54e263f88c7b11f59df71b0)

Configuration Security (ConSec)
U.S. Department of Defense (DoD) - Defense Advanced Research Projects Agency (DARPA) – Innovation Office
Due Date: Abstracts 12/22/2017

Notice seeking innovative research proposals to develop technologies for automatically analyzing and improving the configuration of complex composed systems to reduce the attack surface while assuring expected behavior. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems.**HR001118S0010**

- **URL:** [*https://www.grants.gov/web/grants/view-opportunity.html?oppId=299359*](https://www.grants.gov/web/grants/view-opportunity.html?oppId=299359)

U.S. Industry Opportunities for Advanced Nuclear Technology Development
United States Department of Energy (DOE) - Idaho Operations Office
Due Date: 1/31/2018, 4/30/2018, 7/31/2018, 10/31/2018

The fundamental premise behind this FOA is to provide a direct vehicle to support innovative, domestic nuclear industry-driven designs and technologies that have high potential to improve the overall economic outlook for nuclear power in the U.S. **DE-FOA-0001817**

- **URL:** [*https://www.grants.gov/custom/viewOppDetails.jsp?oppId=299283*](https://www.grants.gov/custom/viewOppDetails.jsp?oppId=299283)

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Mathematics Travel Grants
Association for Women in Mathematics (AWM)
Due Date: 2/1/2018, 5/1/2018, 10/1/2018

The objective of the grants is to enable women to attend research conferences in their fields, thereby providing a valuable opportunity to advance their research activities and their visibility in the research community. Having more women attend such meetings also increases the size of the pool from which speakers at subsequent meetings may be drawn and thus addresses the persistent problem of the absence of women speakers at some research conferences. Two types of travel grants are available. The Mathematics Travel Grants provide full or partial support for travel and subsistence for a meeting or conference in the applicant's field of specialization.

The conference or the applicant's research must be in an area supported by the Division of Mathematical Sciences (DMS) of the National Science Foundation.

- **URL:** *https://sites.google.com/site/awmmath/programs/travel-grants/mathematics-travel-grants*

Marshall Faculty Fellowship Program
National Aeronautics and Space Administration (NASA)
Due Date: 2/22/2018

NASA's Marshall Space Flight Center in Huntsville, Alabama, is offering fellowships for qualified science, technology, mathematics and engineering faculty at U.S. colleges and universities. This program provides a 10-week summer residency at Marshall. Applicants must be U.S. citizens who hold full-time teaching or research appointments at accredited universities or colleges in the United States. Women, underrepresented minorities and persons with disabilities are encouraged to apply. Faculty fellows receive stipends based on academic level. And fellows living more than 50 miles from Marshall will receive a relocation allowance of $1,500 and a $500 travel supplement for one round-trip.
 Areas of Concentration:

- Propulsion Systems
- Space Systems
- Space Transportation
- Science

- **URL:***https://www.nasa.gov/offices/education/programs/descriptions/MSFC-Faculty-Fellowship.html*

Defense Enterprise Science Initiative (DESI)
United States Department of Defense (DOD) - Department of the Air Force (USAF) - Air Force Office of Scientific Research (AFOSR)
Due Date: 2/28/2018

The Department of Defense (DoD) Defense Enterprise Science Initiative (DESI) is a pilot program that supports use-inspired basic research performed by university-industry teams. DESI is sponsored by the Office of the Assistant Secretary of Defense for Research and Engineering (OASD/R&E), and is run in collaboration with the Air Force Research Lab (AFRL), the Air Force Office of Scientific Research (AFOSR), and the Army Research Office (ARO). **FA9550-18-S-B001**

The FY 2018 DESI BAA program seeks proposals addressing the recommended topics listed below.
Topic 1: Power Beaming
Topic 2: Highly-maneuverable autonomous UAV
Topic 3: Soft Active Composites with Intrinsic Sensing, Actuation, and Control
Topic 4: Metamaterial-based Antennas

- **URL:** *https://www.grants.gov/custom/viewOppDetails.jsp?oppId=299112*

Fluid Dynamics and Particulate and Multiphase Processes Research at the International Space Station to Benefit Life on Earth
National Science Foundation (NSF)
Due Date: 3/5/2018

The Division of Chemical, Bioengineering and Environmental Transport (CBET) in the Engineering Directorate of the National Science Foundation (NSF) is partnering with The Center for the Advancement of Science in Space (CASIS) to solicit research projects in the general field of fluid dynamics and particulate and multiphase processes that can utilize the International Space Station (ISS) National Lab to conduct research that will benefit life on Earth. **NSF 18-521**

- **URL:** *https://www.nsf.gov/pubs/2018/nsf18521/nsf18521.htm*

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Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP 2.0)
National Science Foundation (NSF)
Due Date: 3/7/2018

This CRISP 2.0 solicitation responds both to national needs on the resilience of critical infrastructures and to increasing NSF emphasis on transdisciplinary research. In this context, the solicitation is one element of the NSF-wide Risk and Resilience activity, with the overarching goal of advancing knowledge in support of improvement of the nation's infrastructure resilience. The devastating effects of recent disasters such as Hurricanes Harvey, Irma and Maria have underscored that a great deal remains to be done. In addition, CRISP 2.0 is aligned with the NSF-wide frontier thinking on convergence, characterized as "deep integration of knowledge, techniques, and expertise from multiple fields to form new and expanded frameworks for addressing scientific and societal challenges and opportunities". The Directorate of Engineering and the Directorate of Social, Behavioral, and Economic Sciences therefore jointly invest in the CRISP 2.0 solicitation to stimulate the integration of engineering, and social, behavioral and economic sciences to foster new paradigms and domains in interdependent critical infrastructures. Critical infrastructures are the mainstay of our nation's economy, security and well-being. They provide essential services through systems and processes. Many of the critical infrastructures are interconnected and even interdependent. This solicitation calls for integrated research on Interdependent Critical Infrastructures (ICIs) by interdisciplinary teams of engineers and social, behavioral, and economic scientists. Research funded through this program is expected to provide the momentum to create a new science of integrative designs in ICIs, to stimulate economic growth, and to inform how communities can engage diverse resources to improve the quality of life for their inhabitants. Infrastructures are networks of systems and processes that function cooperatively and synergistically to produce and distribute a continuous flow of essential goods and services. For this competition, 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. The goals of the Critical Resilient Interdependent Infrastructure Systems and Processes 2.0 (CRISP 2.0) solicitation are to: (1) foster an interdisciplinary research community of engineers and social, behavioral, and economic (SBE) scientists who work synergistically together for innovation in the design and management of infrastructures as processes and services; (2) transform relevant fields by re-thinking ICIs as processes and services that may have complementary and/or substitutional roles with each other; (3) create innovations in ICIs that contribute directly and positively to people's quality of life, spur economic growth, and respond to both internal perturbations and external shocks, regardless of whether they are natural, technological or human-induced.

These goals lead to the following specific objectives for this solicitation:
   To generate new knowledge, approaches, and solutions to resilience and improve the capability of existing and future ICIs to respond to internal and external changes;

To create innovative, theoretical frameworks and multidisciplinary models of ICIs, processes and services, capable of modeling, monitoring, and predicting complex behaviors and outcomes in response to both internal and external shocks;

To develop integrative frameworks to understand interdependencies among ICIs and leverage them to enhance the processes and services that ICIs provide;

To study socioeconomic, cultural, political, legal, and psychological and other obstacles to improving ICIs and to identify strategies for overcoming these obstacles; and

To support the creation, curation, and use of publicly accessible data on infrastructure systems and processes, whether in the context of explanation, prediction or modeling.

Successful proposals are expected to study at least two infrastructures which are interdependent in the provision of one or more services, thereby contributing to a new interdisciplinary paradigm in research on ICIs. Proposals must broadly integrate engineering and social, behavioral and/or economic sciences. Therefore, proposals that do not have at least one social, behavioral, and economic (SBE) scientist and one engineer on the team will be returned without review. Additionally, PIs are also encouraged to incorporate complementary perspectives from other disciplines such as computing and data science, ecology, seismology, and statistics. **NSF 18-523**

- **URL:** *https://www.nsf.gov/pubs/2018/nsf18523/nsf18523.htm*

Re-entry to Active Research Program
National Science Foundation (NSF)
Due Date: Continuous

The Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET) is conducting a Re-entry to Active Research (RARE) program to reengage, retrain, and broaden participation within the academic workforce. The primary objective of the RARE program is to catalyze the advancement along the academic tenure-track of highly meritorious individuals who are returning from a hiatus from active research. By providing re-entry points to active academic research, the RARE program will reinvest in the nation's most highly trained scientists and engineers, while broadening participation and increasing diversity of experience. A RARE research proposal must describe potentially transformative research that falls within the scope of participating CBET programs. The RARE program includes two Tracks to catalyze the advancement of investigators along the academic tenure system after a research hiatus, either to a tenure-track position or to a higher-tenured academic rank. Track 1 of the RARE program reengages investigators in a competitive funding opportunity with accommodations for gap in record that are a result of the research hiatus. A Track 1 proposal will follow the budgetary guidelines of the relevant CBET program for an unsolicited research proposal. Track 2 retrains investigators for whom the research hiatus has led to the need for new or updated techniques, such that retraining is required to return the investigator to competitive research activity. A description

of how these new techniques will lead to competitive research in CBET programs is required. A Track 2 proposal budget will include only funds necessary for specific retraining activities, such as travel to a workshop or conference, workshop registration fees, a retraining sabbatical, or seed funding to support collection of preliminary data (including salary support, equipment usage fees, materials, and/or supplies). **NSF 18-525**

- **URL:** *https://www.nsf.gov/pubs/2018/nsf18525/nsf18525.htm*

HEALTH, LIFE & EARTH SCIENCES

Request for Proposals
National Geographic Society
Due Date: 1/3/2018

As part of our investment in a healthier and more sustainable planet, the National Geographic Society has created a series of requests for proposals (RFPs) intended to focus our funding in science, education, and storytelling around certain key issues. Current RFPs include:

- Sustainable Cities
- Long-Distance Animal Migration
- Big Cats Conservation
- Changing Polar Systems
- Uncovering Human Origins in Asia and Africa
- Documenting Human Migrations
- Reducing Demand for Illegal Wildlife
- Reducing Marine Plastic Pollution

- **URL:** *https://www.nationalgeographic.org/grants/what-we-fund/rfp*

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Biological and Environmental ResearchEarth System Model Development and Analysis
U.S. Dept. of Energy (DOE) - Office of Science (OS) - Office of Biological and Environmental Research (BER)
Due Date: Pre-Applications 1/16/2018; Applications 3/19/2018

This FOA invites proposals to enhance our understanding of the Earth system by promoting a process- and system-level understanding of the modes of variability and change within the Earth system. This enhanced understanding is achieved by advancing capabilities to design, evaluate, diagnose, analyze, and improve global coupled Earth system models, e.g., where simulations are informed by observations. The primary model that will be encouraged is the Energy Exascale Earth System Model (E3SM), either on its own or in conjunction with other sophisticated Earth system models. The E3SM is a model of the full Earth system with advanced software, for use on DOE's high performance computers and including high-resolution capability to provide scientific investigation of Energy-relevant grand challenge research questions. E3SM version 1 (v1) will be released during FY 2018, and v2-v3 are under development for releases during the period FY 2021 - FY 2024. This FOA will support new projects to collaborate with the E3SM project supported by the ESM activity or with the Science Focus Area (SFA) analysis activities under the RGMA activity. Projects working with E3SM v1 may use a hierarchy of models that emphasize the study of relevant processes within a multi-systems approach, in order to probe and understand the various interactions and feedbacks within and between individual systems; in this context, systems refer to, e.g., the atmosphere, ocean, terrestrial, biogeochemical, and/or cryospheric systems. Projects focusing on E3SM v2-v3 will contribute to the active development of E3SM by testing, identifying, understanding, and correcting particular model biases that significantly affect the coupled system. **DE-FOA-0001862**

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=299044*

Cancer Research Education Grants Program - Courses for Skills Development (R25)
National Institutes of Health (NIH) - National Cancer Institute (NCI)
Due Date: 1/25/2018, 5/25/2018, 9/25/2018 (Standard NIH due dates apply)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NCI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis,

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prevention, or treatment of cancer, rehabilitation from cancer, or the continuing care of cancer patients and the families of cancer patients. **PAR-18-477**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-18-477.html*

Cancer Research Education Grants Program - Curriculum or Methods Development (R25)
National Institutes of Health (NIH) - National Cancer Institute (NCI)
Due Date: 1/25/2018, 5/25/2018, 9/25/2018 (Standard NIH due dates apply)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NCI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Curriculum or Methods Development. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, or treatment of cancer, rehabilitation from cancer, or the continuing care of cancer patients and the families of cancer patients. **PAR-18-476**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-18-476.html*

Cancer Research Education Grants Program - Research Experiences (R25)
National Institutes of Health (NIH) - National Cancer Institute (NCI)
Due Date: 1/25/2018, 5/25/2018, 9/25/2018 (Standard NIH due dates apply)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NCI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Research Experiences. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, or treatment of cancer, rehabilitation from cancer, or the continuing care of cancer patients and the families of cancer patients. **PAR-18-478**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-18-478.html*

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ROSES 2017: Advancing Collaborative Connections for Earth System Science
National Aeronautics and Space Administration (NASA) - Science Mission Directorate (SMD)
Due Date: 1/31/2018

The primary objective of the Advancing Collaborative Connections for Earth System Science (ACCESS) program is to enhance, extend, and improve existing components of NASA's distributed and heterogeneous data and information systems infrastructure. NASA's Earth science data systems, comprised of both core and community elements, directly support agency science and applied science goals and objectives. ACCESS projects increase the interconnectedness and reuse of key information technology software and techniques underpinning the advancement of Earth science research. The ACCESS program supports the deployment of data and information capabilities that enable the freer movement of data and information within our distributed environment of providers and users. This often requires the use of tools to measurably improve Earth science data access and data usability. Awarded projects are expected to augment NASA's heterogeneous data system components by leveraging mature information technologies in innovative ways along with existing infrastructure to rapidly deploy capabilities that address specific gaps or weaknesses. The ACCESS program seeks to deploy and reuse existing technological solutions in the support of Earth science data and information needs. The use of mature technologies and practices helps to lower the overall project risk of system deployment, while making these new capabilities readily available to research and applied science communities. The reuse of existing Earth data and information systems infrastructure and interfaces reduces cost, promotes a better environment for technology infusion, and improves NASA's system of systems infrastructure for users. Proposals offering substantively new IT development efforts, the significant use of immature technical components or those not leveraging existing infrastructure components, where appropriate, are not recommended for submission to this ACCESS solicitation. Awarded project work plans must focus on the use of higher TRL technology components (generally TRL 7 and above). The program encourages targeted and reusable solutions to current data access and data usability issues by supplying new tools to our Earth science research community. The ACCESS program awards are intended to help bear the costs of technological deployment of needed tools and not be an ongoing funding source for the operations and maintenance of these tools. The ACCESS program, while focusing on information technology deployment, is centered on addressing the existing needs of research and applied science communities. Proposal teams must include both information technology and Earth science experts, and proposals must be tied directly to specific Earth science and applied science investigations. **NNH17ZDA001N-ACCESS**

- **URL:**[*https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={7782D F97-B7AE-BDEC-A677-E96F281D39A3}&path=open*](https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={7782DF97-B7AE-BDEC-A677-E96F281D39A3}&path=open)

Promoting Research in Basic Neuroscience (R01 Clinical Trial Not Allowed)
National Institutes of Health (NIH)
Due Date: 2/5/2018, 6/5/2018, 10/5/2018 (Standard NIH due dates apply)

The goal of this Funding Opportunity Announcement (FOA) is to stimulate research addressing fundamental questions in basic neuroscience. Proposed projects can address any area of neuroscience within the missions of the participating institutes and should focus on understanding the development, the structure and/or the function of the normal nervous system. While fundamental basic research often generates insights relevant to disorders of the nervous system, this FOA is not intended to stimulate research that is explicitly disease-related. **PAS-18-483**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAS-18-483.html*

NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)
National Institutes of Health (NIH)
Due Date: 2/16/2018, 6/16/2018, 10/16/0218 (Standard NIH due dates apply)

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. This Funding Opportunity Announcement does not accept applications proposing clinical trial(s). **PA-18-488**

Note: Not all NIH Institutes and Centers (ICs) participate in Parent Announcements. Applicants should carefully note which ICs participate in this announcement and view their respective areas of research interest at the R03 IC-Specific Scientific Interests and Contact website. ICs that do not participate in this announcement will not consider applications for funding.

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PA-18-488.html*

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NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)
National Institutes of Health (NIH)
Due Date: 2/16/2018, 6/16/2018, 10/16/2018 (Standard NIH due dates apply)

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. **PA-18-489**

Note: Not all NIH Institutes and Centers (ICs) participate in Parent Announcements. Applicants should carefully note which ICs participate in this announcement and view their respective areas of research interest at the R21 IC-Specific Scientific Interests and Contact website. ICs that do not participate in this announcement will not consider applications for funding.

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PA-18-489.html*

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LIBRARIES

Laura Bush 21st Century Librarian Program (LB21)
Institute of Museum and Library Services (IMLS)
Due Date: Preliminary Proposals 2/1/2018; Full Proposals 6/8/2018

The Laura Bush 21st Century Librarian Program (LB21) supports developing a diverse workforce of librarians to better meet the changing learning and information needs of the American public by: enhancing the training and professional development of librarians, developing faculty and library leaders, and recruiting and educating the next generation of librarians.

Your application must designate one of these four funding categories:
Planning Grants
National Forum Grants
Project Grants
Research Grants

You may submit as many applications as you wish; however, the same proposal may not be submitted to IMLS under more than one category. Please note: proposals that address challenges faced by the library and archives fields, but do not focus on education and training of librarians, should be submitted to the National Leadership Grants for Libraries program. **LB21-FY18-2**

The project categories are:
- Community Anchors
- National Digital Platform
- Curating Collections

Your application must designate one of these three project categories. You may submit as many applications as you wish; however, the same proposal may not be submitted to IMLS under more than one category. Below is detailed information about what is expected in each project category area.

Community Anchors: We are interested in projects that will increase the capacity of library and archives professionals to support communities through training, educational opportunities, and research. Projects should improve the ability of library professionals to create meaningful community partnerships and provide programs and services that encourage civic and cultural engagement; foster community dialogue; facilitate lifelong learning; promote digital inclusion; and support economic vitality. Training, educational opportunities, and research in this category may focus on:
- Developing knowledge, skills, and competencies to identify community opportunities, address community needs, provide community-based programs, establish or deepen strategic relationships, and enhance services that support and engage the community. These may include, but are not limited

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to: workforce and economic development, civic and digital literacy, early learning, community archiving, and informal STEM education opportunities.

- Integrating into theory and practice approaches and techniques including, but not limited to: design thinking, data analytics, impact assessment, leadership development, organizational change, learning sciences, asset mapping, and collective impact (see IMLS Community Catalyst and Community Salute Initiatives).

- Designing and developing new and potentially replicable participatory library programming models that engage communities and provide learning experiences for library users across the lifespan, with focus on underserved communities. Possible audiences might include, but are not limited to, young children and their families/caregivers; tweens and teens; un- and underemployed adults; veterans; immigrants and refugees; people with disabilities; English language learners; and senior citizens.

- Investigating widespread community and institutional challenges that both inform and are informed by current and evolving library and related practice, feature mutually beneficial relationships between researchers, practitioners, and the communities they serve. Assessment of impact using community-based indicators (both qualitative and quantitative) and draw upon trends identified in publicly available data. Project findings should be communicated in ways that have the potential to improve library services.

National Digital Platform: We are interested in proposals that will increase library and archives professionals' capacity to create, enhance, and deploy the open source software applications used by libraries and archives. Training, educational opportunities, and research may focus on:

- Planning, implementing, or improving training or education programs for librarians or library students related to the development, implementation, or use of digital library tools and implementation of digital library infrastructure.

- Assessing the needs for and impact of investments in education and training for open source digital library tools. For example, proposed projects may examine librarians' education and training needs for coding or other skills, or employers' desired competencies for digital library professionals; or adoption of existing tools that might support libraries' engagement in Open Educational Resources (OER).

Curating Collections: We are interested in proposals that will increase library and archives professionals' capacity to create, manage, preserve, and provide access to digital library collections across the country. Training, educational opportunities, and research may focus on:

- Planning for training library school students or library staff on topics related to preservation, conservation, and access. In particular, training should address the stewardship of digital collections and, as appropriate, their synergy with physical collections.

- Identifying an emerging area of importance for librarian skill development as related to the stewardship of digital collections, and bringing together stakeholders from both inside and outside the library sector to explore the topic. These projects should initiate new partnerships to increase the capacity of librarians to meet library workforce needs. This may involve working with non-traditional partners from the business or community development sectors.

- Supporting formal or informal educational programs to increase librarians' capacity related to the stewardship of digital collections including community based digital archiving. These projects should clearly demonstrate that they build on existing work, are grounded in the needs of a wide range of libraries and archives, and that they involve a range of partners.
- Assessing the gaps in, needs for, and impact of investments in education and training products, services, and networks to support stewardship of digital collections across a range of institutions.

  - **URL:** *https://www.imls.gov/grants/available/laura-bush-21st-century-librarian-program*

National Leadership Grants for Libraries
Institute of Museum and Library Services (IMLS)
Due Date: Preliminary Proposals 1/16/2018; Full Proposals 6/8/2018

National Leadership Grants for Libraries (NLG) support projects that address significant challenges and opportunities facing the library and archive fields and that have the potential to advance theory and practice. Successful proposals will generate results such as new tools, research findings, models, services, practices, or alliances that will be widely used, adapted, scaled, or replicated to extend the benefits of federal investment. **NLG-LIBRARIES-FY18-2**

The funding categories are:
Project Grant
Research Grant
Planning Grant
National Forum Grant

The application must designate one of these funding categories. Your application must designate one of these funding categories. You may submit as many applications as you wish; however, the same proposal may not be submitted to IMLS under more than one category. Please note: proposals that focus on education and training of librarians should be submitted to the Laura Bush 21st Century Librarian grant program.

  - **URL:** *https://www.imls.gov/grants/available/national-leadership-grants-libraries*