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Funding Bulletin
March 24th, 2017 (Vol. 4, No. 12)

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 Jana Henderson at jana.henderson@wichita.edu or 978-3285.

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

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
IP Disclosure Form Open Lab	Apr. 4	2:00 – 4:00 p.m.	Devlin Hall, 2nd Floor	Come with your questions and get assistance completing an IP disclosure form for your ideas, technology, curriculum, research and more. ***This is a come and go lab with no registration required.***
IRB Open Lab	Apr. 10	10:00 – 11:30 a.m.	405 Jardine	The IRB Administrator will be holding Open Labs this fall for Faculty, Staff or Students who have questions about the new forms or about their study in general. ***This is a come and go lab with no registration required.***
Writing Proposals: Clear, Concise, Consistent (and Successful!) Proposals	Apr. 12	3:00 – 4:30 p.m.	405 Jardine	The Office of Research is again presenting its popular workshop on writing proposals. This workshop will provide grant writing tips and resources to utilize. Funders and their reviewers want proposals that are clear, concise and consistent. Come to this workshop to learn some hands-on approaches to improving your grant-writing skills.
Research Compliance Open Lab	Apr. 19	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.***

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

University Research/Creative Projects (URCA) – Round One
Wichita State University
Due Date: 4/7/2017

Applications for Round 1 of the University Research/Creative Projects (URCA) are due to the Office of Research and Technology Transfer by Oct. 7 at 5:00 p.m. for grant period July 1, 2017 – June 30, 2018. URCAs are to retool or reestablish productive research/creative projects agenda. In areas where external funding is available, the URCA may be used as seed money to develop pilot data. Areas where access to external sources is limited may receive special consideration. Grants may be for up to $4,500 awarded in two separate competitions: New - tenure-eligible faculty in their first or second year of probation to initiate research/creative projects, and Established - tenured faculty or probationary faculty in their 3rd (or more) year of probation to retool or re-establish productive research/creative agenda. Application and instructions are available on the research website and may be submitted electronically to proposals@wichita.edu or Campus Box 7.

For more information, visit
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 *seven* open limited submission competitions:**

(1) Enhancing Science, Technology, EnginEering, and Math Educational Diversity (ESTEEMED) Research Education Experiences (R25)
National Institutes of Health (NIH) - National Institute of Biomedical Imaging and Bioengineering (NIBIB)
Due Date: Internal NOI 4/7/2017; Letter of Intent 4/24/2017; Applications 5/24/2017

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Institute of Biomedical Imaging and Bioengineering (NIBIB) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Research Experiences and Mentoring Activities for underrepresented undergraduate freshmen and sophomores in a science, technology, engineering, or mathematics (STEM) field, especially those fields which broadly impact bioengineering. The ESTEEMED program is intended to support underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds. It will prepare these participants for an Advanced Honors Program, such as a MARC U-STAR (T34) program and institutional program with similar goals, in the junior and senior years and subsequently, to pursue a Ph.D. or M.D./Ph.D. degree and a biomedical research career in academia or industry. **PAR-17-221** Only one application per institution is allowed.

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-17-221.html*

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(2) Tomorrow's Internet Project Office (TIPOFF)
National Science Foundation (NSF)
Due Date: Internal NOI 3/31/2017; Full Proposal 5/2/2017

In order to leverage, advance and strengthen its investments in mid-scale computing research infrastructure, the NSF Directorate for Computer and Information Science and Engineering (CISE) will support the work of Tomorrow's Internet Project Office (TIPOFF). Working closely with the U.S. academic and industrial computer networking research community, TIPOFF will provide leadership and administrative oversight in developing, deploying and operating innovative mid-scale computing research infrastructure to meet evolving research community needs and align with emerging national priorities. To initiate this activity, TIPOFF will assume responsibility for the operation and future evolution of the Global Environment for Network Innovations (GENI) platform. TIPOFF will then lead the research community in developing an expanded and enriched experimental platform ("Platform") that leverages the existing GENI infrastructure to support exploration of robust new networking and distributed systems architectures, services and applications. This Platform will serve as a virtual laboratory for research and education, with the goal of advancing understanding of computing and communication systems and sustaining U.S. technology leadership and competitiveness in information technology (IT) and Internet-based services. **NSF 17-540** *An organization may participate in no more than one TIPOFF proposal submitted to this solicitation, either as a lead or a subawardee.*

- **URL:** *https://www.nsf.gov/pubs/2017/nsf17540/nsf17540.htm*

(3) Henry Dreyfus Teacher-Scholar Awards Program
Camille and Henry Dreyfus Foundation, Inc.
Due Date: Internal NOI 3/31/2017; Nomination 5/18/2017

The Henry Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences at undergraduate institutions. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. The award is based on accomplishment in scholarly research with undergraduates, as well as a compelling commitment to teaching. The Foundation seeks Henry Dreyfus Teacher-Scholars who, as independent faculty members, have demonstrated leadership in original scholarly research of outstanding quality, substantially with undergraduates, as well as excellence and dedication in undergraduate education. Recommendations for awards are based on evidence of outstanding educational efforts and the nominee's scholarly research achievements with undergraduates as an independent faculty member, as assessed by a panel of distinguished faculty in the chemical sciences. The three outside letters of support (see below for details) are of particular value to the reviewers. Other considered factors are: awards and honors, publication of research achievements in leading

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journals, and success in attracting research funding. ***Institutions may submit only one Henry Dreyfus nomination annually.***

- **URL:** *http://www.dreyfus.org/awards/henry_dryfus_teacher_award.shtml*

(4) Maximizing Access to Research Careers Undergraduate - Student Training in Academic Research (MARC U-STAR) (T34)
National Institutes of Health (NIH) - National Institute of General Medical Sciences (NIGMS)
Due Date: Internal NOI 4/14/2017; Application 5/24/2017

The Maximizing Access to Research Careers (MARC) Undergraduate Student Training in Academic Research (U-STAR) program is designed to provide structured training programs to prepare high-achieving, underrepresented students for doctoral programs in biomedical research fields. Programmatic activities should include authentic research experiences, academic enhancements, skills development, and mentoring. The long-term goal of the program is to enhance the pool of underrepresented students earning baccalaureate and Ph.D. degrees in biomedical research fields and ultimately to contribute to the diversification of the nation's scientific workforce. **PAR-17-068** *Only one application per institution is allowed.*

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-17-068.html*

(5) Team-Based Design in Biomedical Engineering Education (R25)
National Institutes of Health (NIH)
Due Date: Internal NOI 3/31/2017; Letter of Intent 4/28/2017; Application 5/31/2017

The NIH Research Education Program supports research education activities in the mission areas of the NIH. The over-arching goal of this NIBIB-NICHD 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. This FOA encourages applications from institutions that propose to establish new or to enhance existing team-based design courses or programs in undergraduate Biomedical Engineering departments or other degree-granting programs with Biomedical Engineering tracks/minors. This FOA mainly targets undergraduate students but may also include first-year graduate students. Courses and programs that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary education, the regulatory pathway and other issues related to the commercialization of medical devices, and clinical immersion are especially encouraged. **PAR-16-108** *Only one application per institution is allowed.*

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-16-108.html*

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(6) NEA Art Works Creativity Connects Projects
National Endowment for the Arts (NEA)
Due Date: Internal NOI 3/24/2017; Step-1 5/4/2017 (Submit SF-424 to grants.gov); Step-2 5/18/2017 (Materials to NEA-GO)

Creativity Connects is an initiative that will show how the arts are central to the country's creativity ecosystem, investigate how support systems for the arts have changed, explore how the arts connect with other industries, and invest in innovative projects to spark new ideas for the arts field. A key component to the Creativity Connects initiative is a pilot grant opportunity in the Art Works category to support partnerships between arts organizations and organizations from non-arts sectors that include, but are not limited to, business, education, environment, faith, finance, food, health, law, science, and technology.   **2017NEA01AWCC** *An organization may submit only one application for an Art Work: Creativity Connects grant.*

- **URL:** *https://www.arts.gov/grants-organizations/art-works/creativity-connects-projects*

(7) Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications (BD Spokes)
National Science Foundation (NSF)
Due Date: Internal NOI 7/1/2017; Full Proposal 9/18/2017

NSF's Directorate for Computer and Information Science and Engineering (CISE) initiated the National Network of Big Data Regional Innovation Hubs (BD Hubs) program in FY 2015. Four BD Hubs - Midwest, Northeast, South, and West - were established to foster multi-sector collaborations among academia, industry, and government, both nationally and internationally. These BD Hubs are serving a convening and coordinating role by bringing together a wide range of Big Data stakeholders in order to connect solution seekers with solution providers. In FY 2016, the Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications (BD Spokes) solicitation began extending the BD Hubs network by establishing multi-institutional and multi-sector collaborations to focus on topics of specific interest to a given region. The first set of BD Spokes was funded in FY 2016. This solicitation calls for new BD Spoke proposals to be awarded in FY 2018. Collaborating with BD Hubs, each BD Spoke will focus on a particular topic that requires Big Data approaches and solutions. The set of activities managed by a BD Spoke will promote progress towards solutions in the chosen topic area. The regional BD Hub Steering Committee will provide general guidance to each BD Spoke and will assist the BD Spoke in coordinating with the national BD Hub network, with other BD Spokes, and with the broader innovation ecosystem.

The Big Data activities of a BD Spoke will be guided by the following broad themes:

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- Accelerating progress towards addressing societal grand challenges relevant to the regional and national priority areas defined by the BD Hubs (information on priority areas can be found on each Hub's website listed in the Introduction section below);
- Helping automate the Big Data lifecycle; and
- Enabling access to and spurring the use of important and valuable available data assets, including international data sets where relevant.

NSF's overall Big Data research and development (R&D) portfolio includes fundamental research, infrastructure development and provisioning, education and workforce development, and community engagement. Not all of these aspects of the overall portfolio are covered by this solicitation. In particular, this solicitation is not meant to fund proposals in which fundamental research is the primary activity. If research is a substantial portion of the proposed activities, please consult with a cognizant NSF program officer of this solicitation to help find a more appropriate solicitation. For example, projects focused on foundations and innovative applications related to Big Data may be better suited for submission to the Critical Techniques and Technologies for Advancing Foundations and Applications of Big Data Science & Engineering (BIGDATA) program. Similarly, projects focused primarily on privacy research may be more suited to NSF's Secure and Trustworthy Cyberspace (SaTC) program. **NSF 17-546**

There are two proposal categories covered by this solicitation: SMALL and MEDIUM BD Spokes. ***Proposal submissions are limited to 1 per organization (except as non-lead in a collaborative proposal) to maintain a balanced geographic representation of the Regional Hubs and Spokes program and to increase diversity of participating institutions.***

- **URL:** *https://www.nsf.gov/pubs/2017/nsf17546/nsf17546.htm*

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GENERAL

Grants
Lawrence Foundation
Due Dates: 4/30/2017, 11/1/2017

The foundation is focused on making grants to support environmental, education, human services and other causes although its interests are fairly diverse and may lead it into other areas on an occasional basis.

- **URL:** *http://www.thelawrencefoundation.org/grants/*

Defense University Research Instrumentation Program (DURIP)
United States Department of Defense (DOD) - Army/Navy/Air Force
Due Date: Pre-Proposals 6/16/2017; Proposals 7/7/2017

DURIP is a multi-agency DOD program within the University Research Initiative designed to improve the capabilities of United States institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense by providing funds for the acquisition of research equipment. DURIP funds will be used for the acquisition of major equipment to augment current or develop new research capabilities to support research in the technical areas of interest to the sponsoring agencies. A central purpose of the DURIP is to provide equipment to enhance research-related education. Therefore, proposals must address the impact of the equipment on the institution's ability to educate, through research, students in disciplines important to DOD missions. **PA-AFRL-AFOSR-2017-0001**

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=292130*

ARTS & HUMANITIES

Brimstone Award for Applied Storytelling
National Storytelling Network
Due Date: Preliminary Proposals 4/28/2017; Full Proposals 8/25/2017

Taking its name from brimstone, the elusive element medieval chemists believed would transform base metals into gold, this award focuses on the transformational properties of storytelling, and aims to increase understanding of the ways storytelling can promote change in individuals and communities. The grant supports a model storytelling project that is service-oriented, based in a community or organization, and to some extent replicable in other places and situations. It is our hope that projects receiving this award will have impact beyond their own communities, organizations, or clients, inspiring excellence in applied storytelling work and communicating to new audiences the humanitarian possibilities of storytelling. Many different sorts of projects can be considered for the award, including community, organizational or institutional programs, curricular activities, short residencies, and projects combining complementary art forms. Projects may involve various kinds of stories, including traditional tales and myths as well as personal and ad hoc narratives. NSN is looking for responsiveness to the standards of good practice in the field of the project. ***Various fields are appropriate for the Brimstone Award, including, for example, health care, environmental education/activism, community development, law, multicultural awareness, organizational development, leadership, intergenerational initiatives, empowerment of the disabled, substance abuse prevention, and educational curriculum at all levels.***

Whatever their field or design, proposed projects should be:
- Service-oriented: aiming to make a positive and lasting impact on some community, organization or group;
- Innovative in either method or application;
- Replicable: offering models of design that others can learn from and adapt in new settings;
- Informed by relevant work in the field: based on knowledge of what has been done elsewhere and on awareness of the broad theoretical framework that underlies the project (expressed in jargon-free discussion that relates ideas in existing literature to the construction of the proposed project);
- Assessable: designed to include ways of evaluating the effectiveness of the project;
- Well-documented: planned to culminate in accurate documentation of the process and design, including the difficulties as well as the accomplishments of the project. Different media may be used for documentation and dissemination, so long as the end result is clear, accessible communication.

Applicants should consider realistically what they can accomplish with the relatively small award amount. The award could fund a new project that represents an applicant's ongoing commitment and expertise in a particular area. However, the award could also be used to enable a project already in motion to come to completion. In other circumstances, it could fund effective documentation and

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dissemination of a successful project. NSN encourages collaborative funding; the Brimstone Award might support part of a project that is otherwise sustained by funds from other sources: matching funds, grants and donations, other revenues.

- **URL:** *http://www.storynet.org/grants/brimstone.html*

Charlton Oral History Research Grant
Baylor University - Baylor University Institute for Oral History (BUIOH)
Due Date: 4/28/2017

The Institute seeks to partner with one scholar who is using oral history to address new questions and offer fresh perspectives on a subject area in which the research method has not yet been extensively applied. Interdisciplinary, cross-cultural research on local, national, or international subjects is welcome. The goal of the grant is to bring the strengths of oral history to new topics of investigation, create partnerships with scholars doing noteworthy fieldwork with oral history, build a substantial research collection at Baylor University through the work of a skilled oral historian, and provide long-term scholarly access to significant applications of oral history methodology that model best practices. Interviews in languages other than English are not eligible for the grant. Applications will be evaluated on the significance of the research for providing a fresh approach to the subject and its potential for advancing knowledge; the originality, clarity, and precision of the project proposal; the applicant's past record of producing high-quality oral history research; the potential for successful completion of the project within the contract period; the anticipated use of the interviews in a publication, presentation, or other public outcome.

- **URL:** *http://www.baylor.edu/oralhistory/index.php?id=931745*

Digital Projects for the Public
National Endowment for the Humanities (NEH)
Due Date: 6/7/2017

Digital Projects for the Public grants support projects that significantly contribute to the public's engagement with the humanities. Digital platforms--such as websites, mobile applications and tours, interactive touch screens and kiosks, games, and virtual environments--can reach diverse audiences and bring the humanities to life for the American people. The program offers three levels of support for digital projects: grants for Discovery projects (early-stage planning work), Prototyping projects (proof-of-concept development work), and Production projects (end-stage production and distribution work). While projects can take many forms, shapes, and sizes, your request should be for an exclusively digital project or for a digital component of a larger project.

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All Digital Projects for the Public projects should
- deepen public understanding of significant humanities stories and ideas;
- incorporate sound humanities scholarship;
- involve humanities scholars in all phases of development and production;
- include appropriate digital media professionals;
- reach a broad public through a realistic plan for development, marketing, and distribution;
- create appealing digital formats for the general public; and
- demonstrate the capacity to sustain themselves.

All projects should also demonstrate the potential to attract a broad, general, nonspecialist audience, either online or in person at venues such as museums, libraries or other cultural institutions. Applicants may choose to identify particular communities and groups, including students, to whom a project may have particular appeal. NEH also welcomes applications for nonpromotional digital components of a larger project. For these projects, you should explain how the digital platform will enrich the users' learning experience and engagement. For instance, if your request is for a mobile experience that would operate within a museum or would work in conjunction with a film, you should explain how this project element will substantially add to the audience's learning experience. Grants are available to support research, to design or create prototypes of digital projects, and to produce the actual projects. Projects must be intended for a broad American audience. Three levels of support are available: Discovery, Prototyping, and Production. Applicants are not required to obtain a Discovery grant before applying for a Prototyping grant, or to obtain a Prototyping grant before applying for a Production grant. **20160608-MD**

- **URL:** *https://www.neh.gov/grants/public/digital-projects-the-public*

Division of Preservation and Access: Research and Development (formerly Preservation and Access Research and Development Grants)
National Endowment for the Humanities (NEH)
Due Date: 6/8/2017

The Research and Development program supports projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage--from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence--and to develop advanced modes of organizing, searching, discovering, and using such materials. This program recognizes that finding solutions to complex problems often requires forming interdisciplinary project teams, bringing together participants with expertise in the humanities; in preservation; and in information, computer, and natural science. All projects must demonstrate how advances in

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preservation and access would benefit the cultural heritage community in supporting humanities research, teaching, or public programming. The Research and Development program is now offering grants for planning and basic research (Tier I). The grants support planning and preliminary work for large-scale research and development projects, and stand-alone basic research projects (such as case studies, experiments, and the development of iterative tools). The program (formerly known as Preservation and Access Research and Development) continues as well to offer grants for advanced implementation (Tier II): the development of standards, practices, methodologies, or workflows for preserving and creating access to humanities collections; and applied research addressing preservation and access issues concerning humanities collections. Also, starting in 2016 the program will hold an annual project directors' meeting that will not only highlight the progress of NEH-funded projects, but also engage the range of issues related to the stewardship of humanities collections.

- **URL:** *https://www.neh.gov/grants/preservation/research-and-development*

Research Fellowships
American Institute of Indian Studies (AIIS)
Due Date: 7/1/2017

The INSTITUTE is a cooperative organization of eighty-one American colleges and universities that supports the advancement of knowledge and understanding of India, its people, and culture. AIIS welcomes applicants from a wide variety of disciplines. In addition to applicants in the Humanities and Social Sciences AIIS encourages applicants in fields such as Development Studies, Natural Resources Management, Public Health, and Regional Planning.

Applications to conduct research in India may be made in the following categories:
- Junior Research Fellowships: These are specifically designed to enable individuals to pursue their dissertation research in India. Fellows establish formal affiliation with Indian universities and Indian research supervisors.
- Senior Research Fellowships: These are designed to enable scholars in all disciplines who specialize in South Asia to pursue further research in India. Fellows establish formal affiliation with an Indian institution.
- Senior Scholarly/Professional Development Fellowships: Fellows are formally affiliated with an Indian institution.
- Senior Performing and Creative Arts Fellowships: These are for individuals who demonstrate that study in India would enhance their skills, develop their capabilities to teach or perform in the U.S., enhance American involvement with India's artistic traditions, and strengthen their links with peers in India.

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Fellowships are funded by the National Endowment for the Humanities; the Bureau of Educational and Cultural Affairs of the United States State Department and the Council of American Overseas Research Centers under the Fulbright-Hays Act of 1961, as amended; and the Smithsonian Institution.

- **URL:** *http://www.indiastudies.org/research-fellowship-programs/research-fellowship-application-packet/*

Humanities Program
Gladys Krieble Delmas Foundation
Due Date: Letters of Inquiry accepted on an ongoing basis

The foundation awards grants to further the humanities along a broad front, supporting projects that address the original tenets of the studia humanitatis: a humanistic education is rooted in the great traditions of the past; the formation of human beings according to cultural, moral, and aesthetic ideals derived from that past; and the ongoing debate over how these ideals may best be conceived and realized. **Programs in the following areas are eligible:**
- History
- Archaeology
- Literature
- Languages, both classical and modern
- Philosophy
- Ethics
- Comparative religion
- The history, criticism, and theory of the arts
- Those aspects of the social sciences that share the content and methods of humanistic disciplines

The foundation welcomes projects that cross the boundaries between humanistic disciplines and explore the connection between the humanities and other areas of scholarship. The prime criterion remains that of Gladys and Jean Paul Delmas: a commitment to excellence, whether proven or promised, at every level of the humanistic spectrum.

- **URL:** *http://delmas.org/programs/#humanities*

EDUCATION

Understanding Teacher Change and Teachers as Learners in K-12 Classrooms
James S. McDonnell Foundation (JSMF)
Due Date: Pre-Proposals 4/26/2017; Full Proposals 9/1/2017

The JSMF announces a new program in 2017 that will fund education research on the science of teaching and expand our understanding of teachers as learners and as agents of change in education. There is an urgent need to know how teachers think and work within complex, ever-changing educational systems to process, evaluate, and adopt "evidence-based" practices. There are numerous and ever growing lists of recommended evidence-based practices that teachers are encouraged to adopt, such as those identified in What Works Clearinghouse Practice Guides from the U.S. Department of Education (ies.ed.gov/ncee/wwc/) and the Core Practice Consortium (corepracticeconsortium.com). But there is little research on how teachers view, interpret, or work to improve their use of such practices. This is an absolutely necessity, but a largely overlooked component of efforts to reform education. Indeed, a new book on the topic of bridging research and practice asserts "there are too many guides and 'cookbooks' that indiscriminately propagate...dozens of techniques and strategies" without concern for how teachers understand, select, and take up these techniques. The Teachers as Learners (TAL) program will emphasize a cognitive science perspective on teachers as learners - including a focus on the cognitive constraints that guide teacher thinking and change in attitudes, knowledge, skills and behaviors. We need to know what aspects of cognition (e.g., memory, knowledge, goals, expertise, collaboration) help explain teachers' learning and change, particularly as it relates to adopting evidence-based practices in classroom contexts. Understanding teachers as learners in the context of the many influences on teacher change across career trajectories is an important but understudied area of translational research with the opportunity for impact on both research and educational practice. Understanding teachers as learners from a cognitive science perspective would advance the implementation of policies aimed at evidence-based reforms. We acknowledge that teaching occurs in a complex context and we want to situate the work in that context, but the focus of this program is on studying the cognitive dimensions of teacher learning as it takes place within these rich socio-cultural and institutional contexts, rather than the contexts themselves. A survey of the current landscape reveals that there is significant focus on small-scale experimental work on student cognition and on descriptive work on teaching - but the lack of a cognitive science framework for how teachers learn to process, evaluate, and improve their use of evidence-based practices within a complex, dynamic system.

- **URL:** *https://www.jsmf.org/apply/teachers-as-learners/*

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Dear Colleague Letter: Encouraging Submission of Industry/University Cooperative Research Centers (IUCRC) Proposals in the Area of Cybersecurity
National Science Foundation (NSF) (NSF 17-061)

- **URL:**[*https://www.nsf.gov/pubs/2017/nsf17061/nsf17061.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click*](https://www.nsf.gov/pubs/2017/nsf17061/nsf17061.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click)

Research Opportunities in Space and Earth Sciences (ROSES) - Advanced Component Technology
National Aeronautics and Space Administration (NASA)
Due Date: Notices of Intent (NOI) 4/19/2017; Proposals 6/19/2017

The Advanced Component Technology (ACT) program seeks proposals for technology development activities leading to new component- and subsystem-level airborne and space-based measurement techniques to be developed in support of the Science Mission Directorate's Earth Science Division. The objectives of the ACT program are to research, develop, and demonstrate component- and subsystem-level technology development that:

- reduce the risk, cost, size, volume, mass, and development time of Earth observing instruments, and
- enable new Earth observation measurements.

The ACT program brings instrument components to a maturity level that allows their integration into other NASA technology programs, such as the Instrument Incubator Program (IIP; see Appendix A.35 of ROSES-2010). Some of these components are directly infused into mission designs by NASA flight projects and others "graduate" to other technology development programs for further development. Priority for selection will be given to those proposals that most clearly demonstrate the potential for making significant contributions to the technology readiness of the Earth science measurements recommended by the Decadal Survey and to proposals that support technologies needed for the Climate-Centric Architecture. **NNH17ZDA001N-ACT**

- **URL:**[*https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={09ADDB37-BEEA-A091-5E89-CE3BC2A53ABC}&path=open*](https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={09ADDB37-BEEA-A091-5E89-CE3BC2A53ABC}&path=open)

The Water Abundance XPRIZE
XPRIZE
Due Date: Registration 4/28/2016; Business Plan Submission 7/16/2018

The Water Abundance XPRIZE is a $1.75 million competition, challenging teams to alleviate the global water crisis with energy-efficient technologies that harvest fresh water from thin air. Teams will revolutionize access to fresh water by creating a device that extracts a minimum of 2,000 liters of water per day from the atmosphere using 100% renewable energy, at a cost of no more than 2 cents per liter. XPRIZE believes that solutions can come from anyone, anywhere. Scientists, engineers, academics, entrepreneurs and innovators with new ideas from all over the world are invited to form a team and register to compete. To participate, a team may need to recruit additional experts and can add new members at any time throughout the competition. Competing teams will own the Intellectual Property of their submissions.

- **URL:** *http://water.xprize.org/*

NIST Center for Neutron Research (NCNR) Comprehensive Grant Program
United States Department of Commerce (DOC) - National Institute of Standards and Technology (NIST)
Due Date: 5/8/2017

The NCNR is soliciting proposals from eligible applicants to support research involving neutron research and spectroscopy; specifically, NCNR seeks proposals aimed at providing technical assistance to visiting researchers at NCNR, developing new instrumentation and measurement capabilities for neutron research, conducting collaborative research with NIST scientists, and conducting other outreach and educational activities that advance the use of neutrons by U.S. academia and industrial scientists. Award recipients will station scientific staff at the NCNR and, in collaboration with NIST and visiting scientists, advance these objectives. Applicants and team members must possess the education, experience, and training to pursue and advance the field of neutron scattering efficiently. In addition, the applicant and team members must possess a demonstrated record of excellence in research involving neutron scattering methods. Examples of jointly-pursued activities under previous cooperative agreements include the integration of expert academia research and technical staff to assist neutron users at the NCNR in conducting their scientific research on various neutron instruments, the design and development of state-of-the-art double-focusing neutron monochromator for use on MACS (the Multi-Analyzer Crystal Spectrometer), the development of new data acquisition software for neutron instruments, the development of new flow devices for use on neutron scattering instruments, the design and development of a neutron phase space transformation chopper for use on the High-Flux Backscattering Spectrometer (HFBS), the design and development of the new very Small

Angle Neutron Scattering instrument (vSANS), and computer modeling studies of neutron scattering measurements from biomolecular systems. **2017-NIST-NCNR-01**

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=272870*

Breakthrough Prize in Fundamental Physics, Life Sciences and Mathematics
Breakthrough Prize Foundation
Due Date: Nominations accepted through 5/31/2017

For the sixth year, the Breakthrough Prize, recognized as the world's largest science prize, will honor top scientists, handing out prizes in Life Sciences, Fundamental Physics and Mathematics. In addition, New Horizons Prizes will be presented to promising early-career researchers in the fields of Fundamental Physics and Mathematics.

Breakthrough Prize in Fundamental Physics
The 2018 Breakthrough Prize in Fundamental Physics will recognize an individual(s) who has made profound contributions to human knowledge. It is open to all physicists - theoretical, mathematical and experimental - working on the deepest mysteries of the Universe. The prize can be shared among any number of scientists. Nominations are also being taken for the New Horizons in Physics Prize for junior researchers who have already produced important work in their fields.

Breakthrough Prize in Life Sciences
The 2018 Breakthrough Prizes in Life Sciences will be awarded to individuals who have made transformative advances in understanding living systems and extending human life.

Breakthrough Prize in Mathematics
The 2018 Breakthrough Prize in Mathematics will be awarded to an individual who has made outstanding contributions to the field of mathematics. The New Horizons in Mathematics Prizes will be presented to early career mathematicians who have already produced important work in their fields.

- **URL:** *https://breakthroughprize.org/News/35*

Small Business Innovation Research Program Phase I Solicitation (SBIR)
National Science Foundation (NSF)
Due Date: 6/14/2017

The SBIR program provides equity-free funding to conduct research and development (R&D) work and de-risk technology for commercial success. The program accepts innovative proposals that show promise of commercial and societal impact in almost all areas of technology. SBIR Phase I proposals are expected to undertake R&D with the aim of establishing technical feasibility or proof of concept. The NSF SBIR Program encourages the submission of proposals across all areas of science and engineering (except drug development). The NSF recognizes that innovation often can't be categorized. Therefore, proposals are accepted in almost any area of technology that shows promise of high commercial and/or societal impact. The aim of a Phase I project should be to demonstrate technical feasibility of the proposed innovation and thereby bring the innovation closer to commercialization. **NSF 17-544**
Proposals should describe the development of an innovation that demonstrates the following characteristics:
- Involves a high degree of technical risk - for example: Has never been attempted and/or successfully done before; Is still facing technical hurdles (that the NSF-funded R&D work is intended to overcome).
- Has the potential for significant commercial impact and/or societal benefit, as evidenced by: Having the potential to disrupt the targeted market segment; Having good product-market fit (as validated by customers); Presenting barriers to entry for competition; Offering potential for societal benefit (through commercialization under a sustainable business model).

- **URL:** *https://nsf.gov/funding/pgm_summ.jsp?pims_id=505233*

Information Innovation Office (I2O) Office-Wide BAA
United States Department of Defense (DOD) - Defense Advanced Research Projects Agency (DARPA) - Information Innovation Office (I2O)
Due Date: Abstracts 6/30/2017; Proposals 8/25/2017

Modern society depends on information and information depends on information systems. Timely, insightful, reliable, and relevant information drives success. This is not lost on military leaders who well appreciate the critical importance of information for national security. The Information Innovation Office (I2O) develops game-changing information science and technology to ensure information advantage for the U.S. and its allies.

To accomplish this, I2O sponsors basic and applied research in three thrust areas:
- **Cyber**
- **Analytics**
- **Symbiosis**

I2O may also consider submissions outside these areas if the proposal involves the development of novel softwareÃ¢€based capabilities having promise to provide decisive information advantage for the U.S. and its allies. I2O seeks unconventional approaches that are outside the mainstream, challenge accepted assumptions, and have the potential to radically change established practice. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of the art. I2O collaborates with other DARPA technical offices, in some cases acting as the recipient of significant emerging technologies and, in other cases, serving as a catalyst by identifying relevant new external technology trends. Novel methods are sought to build technical communities and tap into sources of innovation both inside and outside traditional DoD performer communities. However, proposers may not propose work: (1) they have already completed, nor (2) for which they have already received funding or a positive funding decision (whether by DARPA or another Government agency). I2O encourages efforts that are creative and agile both in terms of the technologies proposed and in the structure of the approach (e.g., shorter periods of performance). For the purposes of this solicitation, only submissions deemed relevant will receive a detailed Scientific Review. Relevance, first and foremost, requires that submissions address one or more of the focus areas described herein. Additional factors considered in determining relevance include: whether the overall goal of the proposed effort, if achieved, would convey technology significantly beyond the state of the art; the timetable for achieving results is appropriate for a mission agency such as DARPA; and the scope of work is commensurate with I2O priorities. **DARPA-BAA-16-51**

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=288122*

Mind, Machine and Motor Nexus (M3X)
National Science Foundation (NSF)
Due Date: 9/15/2017

The Mind, Machine and Motor Nexus (M3X) program supports fundamental research at the intersection of mind, machine and motor. A distinguishing characteristic of the program is an integrated treatment of human intent, perception, and behavior in interaction with embodied and intelligent engineered systems and as mediated by motor manipulation. M3X projects should advance the holistic analysis of cognition and of embodiment as present in both human and machine elements. This work will encompass not only how mind interacts with motor function in the manipulation of machines, but also how, in turn, machine response and function may shape and influence both mind and motor function. The M3X program seeks to support the development of theories, representations, and working models that draw upon and contribute to fundamental understanding within and across diverse fields, including but not limited to systems science and engineering; mechatronics; cognitive, behavioral and perceptual sciences; and applied computing. Research funded through this program is expected to lead to new computable theories and to the physical manifestation of these theories.

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Application areas supported by the M3X program span the full breadth of the Division of Civil, Mechanical and Manufacturing Innovation. Methodological innovation is emphasized, as is a focus on engaging new and emerging thematic areas. The M3X program does not support disaggregated, parallel efforts from individual disciplines or investigators: rather, supported activities must strongly integrate across disciplines to enable discoveries that would not otherwise be possible. Additionally, the M3X program will not consider proposals that do not integrate physical considerations in a fundamental way. Principal investigators proposing pure artificial intelligence or pure machine learning research are referred to funding opportunities in the Directorate for Computer and Information Science and Engineering. **PD-17-058Y**

- **URL:** *https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505402*

HEALTH, LIFE & EARTH SCIENCES

Dear Colleague Letter: Removal of Deadlines for the Following Programs in the Division of Earth Sciences (EAR): Tectonics, Petrology, and Geochemistry, Geophysics, and Earthscope
National Science Foundation (NSF 17-067)

- **URL:***https://www.nsf.gov/pubs/2017/nsf17067/nsf17067.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click*

FUNDING OPPORTUNITIES: Biomedical Research and Technology Development Needed to Support Astronaut Health during Exploration Missions
Baylor College of Medicine Translational Research Institute (TRI) - National Aeronautics and Space Administration (NASA)
Due Date: 4/10/2017

The newly established Translational Research Institute (TRI) headquartered at Baylor College of Medicine has released a research announcement. The research topics are available at https://tinyurl.com/NNJ16ZSA001N-TRIRTand the proposal instructions can be found at https://tinyurl.com/NNJ16ZSA001N-TRIIN (links lead to NSPIRES web pages). TRI seeks innovative and disruptive technologies, techniques and countermeasures to enable and enhance human exploration

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of deep space. We are soliciting proposals from any US-based biomedical researcher or company, regardless of previous NASA funding. There are two types of funding opportunities within this research announcement. The first two opportunities below—Omics capabilities for use during missions and Long duration medication stability—are large, program project grants that may span several institutions and investigators in order to collaborate on an interrelated set of research questions within one broad topic. The remaining opportunities are primarily designed as single principal investigator projects. Program project grant awards are up to $850K a year. Single principal investigator projects range from $200K to $400K per year. Project durations vary based on the research emphasis and project type**.**

All proposers must submit a letter of intent. Funding topics of current interest are:
• Omics capabilities for use during missions
• Long duration medication stability
• Human brain imaging
• Inflight surgical capabilities
• Increasing organisms' resistance to radiation
• Pharmaceuticals that preserve muscle mass
• Inflight production of fresh food
• Microbiome based therapies for improving health in spaceflight
• Lymphatic imaging in microgravity

All categories of United States (U.S.) institutions are eligible to submit proposals. Principal Investigators may collaborate with universities, federal government laboratories, the private sector, and state and local government laboratories. In all such arrangements, the applying entity is expected to be responsible for administering the project according to the management approach presented in the proposal. Research with non-U.S. organizations should be conducted in a cooperative, no exchange-of-funds basis. A pre-proposal webinar, during which TRI management will answer questions regarding this research announcement, will be held on March 23, 2017 and is open to all interested proposers. Questions must be submitted in writing at least 24 hours prior to the scheduled webinar to cmmoreno@bcm.edu. Answers to all questions (FAQ) will be posted on the TRI's website by March 25, 2017. **Proposers are required to submit a letter of intent through nspires.nasaprs.com by April 10, 2017 in order to submit a full proposal. Full proposals will also be submitted through nspires.nasaprs.com and will be due May 19, 2017.**

The Translational Research Institute (TRI) is funded by a cooperative agreement from NASA to Baylor College of Medicine with consortium partners California Institute of Technology and Massachusetts Institute of Technology. The Institute's mission is to lead a national effort in translating cutting-edge, emerging terrestrial research into applied space flight and to support human risk-mitigation for exploration missions beyond low Earth orbit.

- **URL:***https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={AA28929B-FC26-CEEE-17D6-BCFB3522D32E}&path=open*

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Healthy Community Initiative: Improving Health Equity in Kansas
Kansas Health Foundation (KHF)
Due Date: 4/11/2017

While significant health improvements have been achieved through medicine and public health, individuals' health and wellbeing are also influenced by where and how they live, and the unfortunate reality is that tremendous differences in health outcomes still remain for many underserved groups and communities. Health disparities adversely affect groups of people who have systematically experienced greater obstacles to health based on their racial or ethnic group; language spoken; immigration/documentation status; religion; socioeconomic status; age; mental health; cognitive, sensory, or physical disability; sexual orientation or gender identity; geographic location; or other characteristics historically linked to discrimination or exclusion. The purpose of this RFP is to support leadership teams in cities, towns, counties, or regions in Kansas to engage in advocacy efforts that will improve the health of people in Kansas experiencing poor health outcomes and create a network of community health advocates willing to learn and discover how to effectively impact the health of Kansans using a health equity lens.

- **URL:** *http://kansashealth.org/grant-opportunities/hci-he/*

The Health and Retirement Study (U01)
National Institutes of Health (NIH) - National Institute on Aging (NIA)
Due Date: Letters of Intent 4/16/2017; Applications 5/16/2017

The purpose of this FOA is to solicit applications for the next 6-year cycle of the Health and Retirement Study (HRS), which is the leading longitudinal data resource on patterns of age-related changes in the health and well-being of adults age 50 and older in the U.S. The goals of the next cycle are to: 1) continue the current structure and design elements of the HRS while reducing respondent burden; 2) establish a repository of blood samples for future study; 3) enrich administrative linkages and collaborations with genetics consortia; 4) conduct follow-up dementia assessment using the Harmonized Cognitive Assessment Protocol (HCAP) to update data on the prevalence of dementia including Alzheimer's Disease and related dementias (AD/ADRD); 5) enhance harmonization with comparable surveys of population aging; and 6) augment data dissemination and user support. **RFA-AG-18-005**

- **URL:** *https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-18-005.html*

Core Program - Research Awards: Innovative Basic Science Awards
American Diabetes Association (ADA)
Due Date: 4/17/2017

These awards support basic research with novel and innovative hypotheses in any area relevant to the etiology or pathophysiology of diabetes and its complications that holds significant promise for advancing the prevention, cure or treatment of diabetes. Applications proposing high-risk projects with the potential for high-impact results are encouraged, as are studies that may not be sufficiently developed for traditional funding sources.

- **URL:** *http://professional.diabetes.org/meetings/core-program*

Health and Aging Policy Fellows Program
Atlantic Philanthropies
Due Date: 4/17/2017

The goal of the Health and Aging Policy Fellows Program is to provide professionals in health and aging with the experience and skills necessary to help lead this effort, and in so doing, shape a healthy and productive future for older Americans.

The Health and Aging Policy Fellows Program offers two different tracks for individual placement:
- a residential track that includes a nine-to-12-month placement in Washington, D.C. or at a state agency (as a legislative assistant in Congress, a professional staff member in an executive branch agency or in a policy organization);
- a non-residential track that includes a health policy project and brief placement(s) throughout the year at relevant sites. The project may be focused at a global, federal, state or community level.

- **URL:** *http://www.healthandagingpolicy.org/*

Research Opportunities in Space and Earth Sciences (ROSES) - Making Earth System Data Records for Use in Research Environments
National Aeronautics and Space Administration (NASA)
Due Date: Notices of Intent 4/21/2017; Proposals 5/22/2017

The overall objective of MEaSUREs solicitations is to select projects providing Earth science data products and services driven by NASA's Earth science goals. MEaSUREs may include infusion or deployment of applicable science tools that contribute to data product quality improvement, consistency, merging or fusion, or understanding. An Earth System Data Record (ESDR) is defined as a unified and coherent set of observations of a given parameter of the Earth system, which is optimized

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to meet specific requirements in addressing science questions. These data records are critical to understanding Earth System processes; are critical to assessing variability, long-term trends, and change in the Earth System; and provide input and validation means to modeling efforts. Emphasis is placed into linking together multiple satellites into a constellation, developing the means of utilizing a multitude of data sources to form coherent time series, and facilitating the use of extensive data in the development of comprehensive Earth system models. This ROSES element provides an opportunity for the research community to participate in the development and generation of data products, which complement and augment the NASA produced and distributed Earth science data products available to the research community and other stakeholders. Proposals responsive to this call MUST utilize at least one satellite data set, preferably NASA sponsored data set. NASA, through its Earth Science Data Systems (ESDS), supports the NASA Earth Science research community by providing Earth science data products and services driven by NASA's Earth Science goals. The Earth Observing System Data and Information System (EOSDIS) is a key core capability in NASA's Earth Science Data Systems Program. It provides end-to-end capabilities for managing NASA's Earth science data from various sources - satellites, aircraft, field measurements, and various other programs. For the EOS satellite missions, EOSDIS provides capabilities for command and control, scheduling, data capture and initial (Level 0) processing. **NNH17ZDA001N-MEASURES**

Projects selected through this solicitation will work to afford a solution for utilization of NASA assets and capabilities by:
- providing or adding to mature data records needed for NASA Earth System research, and potentially product science tools and services capabilities;
- applying ESD principles regarding community involvement, product life cycle planning, and standards and interfaces for interoperability and exchange of data and information;
- supporting ongoing data system evolution efforts through participation in one or more Earth Science Working Groups, which include Standards and Interfaces, Technology Infusion, Architecture and Reuse, and Metrics Planning and Reporting.

- **URL:***https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={D379ED38-73B2-C648-8ED2-B7A8EFFA9765}&path=open*

Greater Value Portfolio
Patrick and Catherine Weldon Donaghue Medical Research Foundation
Due Date: Letters of Intent 5/1/2017; Applications 7/31/2017

The Donaghue Foundation announces its 2017 Greater Value Portfolio grant program that will fund research projects for the purpose of creating new approaches to achieving a higher value healthcare system. The goal of this program is to test new approaches and tools that organizations can readily use to improve the value of the healthcare they provide to their patients and communities. The Foundation

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believes value in health care is achieved with uniformly high quality outcomes and favorable patient experience for the money we spend. Symptoms of poor healthcare value are high and rising healthcare costs, unwarranted variation in prices, unacceptable variation in quality, and a lack of transparency in both price and outcomes. Investigators conducting research that expect to develop actionable solutions to one or more of these symptoms of low value healthcare are encouraged to apply to the Greater Value Portfolio program.

Eligible topics include research concerning the following strategies:
- Efforts that significantly increase the value of traditionally high-cost procedures through mechanisms such as medical tourism or specialty treatment centers
- Methods or approaches that reduce routine treatments, tests, and screenings for patients for whom the potential harms (including financial harm) outweigh potential benefits
- Provide consumers with the tools to make decisions about their healthcare that are based on value in addition to other patient-centered factors
- Encourage providers and their patients with serious illnesses to engage in difficult conversations about preferences and trade-offs related to alternative treatment options
- Identify, highlight and resolve structural disincentives to greater value or inefficiencies within systems or across healthcare settings
- Create economic models that address current financial disincentives for systemic change (i.e., paying for current programs with future savings or paying for social determinants of health with the savings from lower clinical services)
- Worthy, inexpensive clinical interventions that are currently underused

In order to receive the award, the applicant must demonstrate how their research question is important to relevant stakeholders, how answers to their questions will lead to practical benefit in bringing greater value to health and healthcare, and propose a rigorous research design. Topics that are not considered relevant to the purpose of the program are efficacy trials, comparative effectiveness research that does not include cost analysis, basic research, or research using animal models.

- **URL:** *http://donaghue.org/grant-programs/grant-opportunities/*

Evidence-Based Falls Prevention Programs Financed Solely by 2017 Prevention and Health Funds (PPHF-2017)
United States Department of Health and Human Services (HHS) - Administration for Community Living (ACL) - Administration on Aging (AoA)
Due Date: 5/13/2017

The Administration on Aging (AoA) within the Administration for Community Living (ACL), U.S. Department of Health and Human Services (HHS) forecasts the possible availability of Fiscal Year (FY)

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2017 funds to make three-year grants to approximately 6-8 entities to bring to scale and sustain evidence-based falls prevention programs that will reduce the number of falls, fear of falling, and fall-related injuries in older adults and adults with disabilities. **HHS-2017-ACL-AOA-FPSG-0206**

Goal 1: Significantly increase the number of older adults and adults with disabilities at risk of falls who participate in evidence-based community programs to reduce falls and falls risks; and

Goal 2: Implement innovative funding arrangements (e.g. contracts with integrated health care systems) to support community-based falls prevention programs beyond the grant period, while embedding the programs into an integrated, sustainable evidence-based prevention program network.

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=290900*

Breakthrough Prize in Fundamental Physics, Life Sciences and Mathematics
Breakthrough Prize Foundation
Due Date: Nominations accepted through 5/31/2017

For the sixth year, the Breakthrough Prize, recognized as the world's largest science prize, will honor top scientists, handing out prizes in Life Sciences, Fundamental Physics and Mathematics. In addition, New Horizons Prizes will be presented to promising early-career researchers in the fields of Fundamental Physics and Mathematics.

Breakthrough Prize in Fundamental Physics
The 2018 Breakthrough Prize in Fundamental Physics will recognize an individual(s) who has made profound contributions to human knowledge. It is open to all physicists - theoretical, mathematical and experimental - working on the deepest mysteries of the Universe. The prize can be shared among any number of scientists. Nominations are also being taken for the New Horizons in Physics Prize for junior researchers who have already produced important work in their fields.

Breakthrough Prize in Life Sciences
The 2018 Breakthrough Prizes in Life Sciences will be awarded to individuals who have made transformative advances in understanding living systems and extending human life.

Breakthrough Prize in Mathematics
The 2018 Breakthrough Prize in Mathematics will be awarded to an individual who has made outstanding contributions to the field of mathematics. The New Horizons in Mathematics Prizes will be presented to early career mathematicians who have already produced important work in their fields.

- **URL:** *https://breakthroughprize.org/News/35*

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Silvio O. Conte Centers for Basic Neuroscience or Translational Mental Health Research (P50)
National Institutes of Health (NIH) - National Institute of Mental Health (NIMH)
Due Dates: 5/24/2017, 5/24/2018, 5/24/2019 (Letters of Intent due 30 days prior to the application due date)

This Funding Opportunity Announcement (FOA) encourages applications for Silvio O. Conte Centers for Basic Neuroscience or Translational Mental Health Research. The institute seeks teams of researchers working at different levels of analysis and employing integrative, novel, and creative experimental approaches to address high-risk, high-impact questions in basic neuroscience research, or in translational research with the primary objectives of: (a) advancing the state of the science in basic brain and behavior research that will uncover and dissect the underlying mechanisms that will ultimately provide the foundation for understanding mental disorders; (b) supporting the integration and translation of basic and clinical neuroscience research on severe mental illnesses; and/or (c) advancing our understanding of the neurobehavioral developmental mechanisms and trajectories of psychopathology that begin in childhood and adolescence. The Conte Centers program is intended to support interdisciplinary basic neuroscience or translational research demonstrating an extraordinary level of synergy, integration, and potential for advancing the state of the field. This program is intended only for projects that could not be achieved using other, more standard grant mechanisms. The Conte Centers program also provides an opportunity to establish interdisciplinary basic neuroscience or translational research experiences for students and post doctorates. **PAR-17-168**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-17-168.html*

Hearing Health Care for Adults: Improving Access and Affordability (R01)
National Institutes of Health (NIH) - National Institute on Deafness and Other Communication Disorders (NIDCD)
Due Dates: 6/5/2017, 10/5/2017, 2/5/2017 (Standard NIH due dates apply)

This FOA encourages applications for research on hearing health care in adults in support of improving access and affordability. Further research is needed to strengthen the evidence base with a goal of delivering better hearing health care outcomes in adults. **PA-17-202**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PA-17-202.html*

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Limited Competition: Analysis of Data from NIA's Alzheimer's Disease Sequencing Project Follow-Up Study (U01)
National Institutes of Health (NIH) - National Institute on Aging (NIA)
Due Dates: 6/5/2017, 10/5/2017, 2/5/2018 (Letters of Intent due 45 days prior to the application due date - standard NIH due dates apply)

The National Institute on Aging invites applications specific to the analysis of genome-wide association studies and whole-genome and related sequencing data generated under PAR-16-406. NIA intends to support studies most likely to meet a major goal of this FOA: to identify and confirm a full set of rare variants contributing to AD phenotypes to enhance the probability of identifying potential therapeutic approaches for risk and prevention. Successful applications are anticipated to involve research conducted by multidisciplinary teams of investigators, and should describe a comprehensive plan to develop leading-edge innovative approaches for the analysis of Whole Genome Sequence (WGS) data. Analysis should encompass the criteria set out by the ADSP Replication Work group for selection of samples under PAR 16-406. In particular, these criteria include racial/ethnic diversity; autopsy-confirmed cases/controls, especially for non-European ancestry; availability of longitudinal data; no age limit for cases; cases unrelated to each other; and availability of comparable controls. The proposed study should describe a comprehensive plan for the analysis of WGS data to extend previous discoveries that may ultimately result in new directions for AD therapeutics. Both fundamental scientific discovery and leading-edge analytical approaches will likely be needed to achieve the research goals. The study is anticipated to involve research conducted by multidisciplinary teams of investigators including a variety of sequencing centers, geneticists, and statisticians. Funds for computer software and hardware, for bioinformatics and statistical analysis, and for the personnel needed to conduct the analyses will be provided. **PAR-17-214**

- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PAR-17-214.html*

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Nutrition and Alcohol-Related Health Outcomes
National Institutes of Health (NIH) - National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Due Dates: Standard NIH due dates apply – see below for specific mechanism

This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this program announcement is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease.

R01 (PA-17-211) – Due Dates: 6/5/2017, 10/5/2017, 2/5/2018
- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PA-17-211.html*

R03 (PA-17-212) – Due Dates: 6/16/2017, 10/16/2017, 2/16/2018
- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PA-17-212.html*

R21 (PA-17-213) – Due Dates: 6/16/2017, 10/16/2017, 2/16/2018
- **URL:** *https://grants.nih.gov/grants/guide/pa-files/PA-17-213.html*

Doris Bloch Research Award
Sigma Theta Tau International Honor Society of Nursing (STTI)
Due Date: 7/1/2017

The purpose of this award is to encourage nurses to contribute to the advancement of nursing through research. Allocation of funds is based on the quality of the proposed research, the future promise of the applicant and the applicant's research budget.

- **URL:** *http://www.nursingsociety.org/advance-elevate/research/research-grants/doris-bloch-research-award*

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SOCIAL & BEHAVIORAL SCIENCES

PEACE Grants
Mind & Life Institute
Due Date: Letters of Intent 4/14/2017; Full Proposals 8/30/2017

The Mind & Life Institute is a non-profit organization committed to building a scientific understanding of the mind and human behavior as a way to reduce suffering and promote flourishing. In particular, we promote the integration of rigorous scientific inquiry with contemplative practices and wisdom traditions by supporting the emerging field of contemplative sciences. As part of this mission, we are offering a new grants program to fund research on novel interdisciplinary approaches for investigating and nurturing wholesome mental qualities related to Prosociality, Empathy, Altruism, Compassion, and Ethics (PEACE). Programs delivering contemplative training in various settings have expanded rapidly over the past decade. Our knowledge of cognitive, physiological and clinical effects of these practices (particularly mindfulness) has grown steadily, in large part due to the ongoing efforts of the Mind & Life Institute. Expanding from a focus on awareness-based practices to include the cultivation of virtuous, prosocial qualities and actions is clearly warranted as we look to foster positive change in the world. To this end, the Mind & Life Institute is pleased to lead the way in supporting the development of this critical field through our new funding program, the PEACE Grants- supporting projects that advance our understanding of the mechanisms, implementation and outcomes of contemplative strategies to promote wholesome mental qualities and positive interpersonal and social action. In addition, we encourage the development of measures to rigorously assess these qualities in various real-world contexts. Here, "contemplative" approaches can include a wide range of practices that involve introspection and awareness of mind-body states, including various forms of meditation, embodied or movement-based practices, reflective writing, contemplative prayer, and others. Likewise, our use of the term "PEACE" is meant to encompass a range of wholesome characteristics beyond the acronym itself (prosocial, empathy, altruism, compassion, ethics), including gratitude, love, forgiveness, sympathetic joy, patience, presence, and resilience. We encourage research proposals that work across traditional disciplinary boundaries, and use methodological approaches that meet the highest standards of rigor.

- **URL:** *https://www.mindandlife.org/peace-grants/rfl-peace-grants/*

Changing Minds: Professional Development and Public Education to Address Children Exposed to Violence and Childhood Trauma
U.S. Dept. of Justice (DOJ) - Office of Justice Programs (OJP) - Office of Juvenile Justice and Delinquency Prevention (OJJDP)
Due Date: 5/2/2017

To extend and continue the important work done to date in educating the public and in professional development on children exposed to violence, OJJDP invites applications to provide training, technical assistance, and resources to state, local, and tribal professionals who work with at-risk children and justice-involved youth in three discrete categories of funding, as described following:
Category 1: Master Trainings/Training of Trainers on CEV and childhood trauma for educators and educational administrators in public school and correctional and alternative education settings based on the Changing Minds K-12 training institute;
Category 2: Master Trainings/Training of Trainers on CEV and childhood trauma for law enforcement based on the Enhancing Law Enforcement Response to Children Exposed to Violence curriculum and toolkit; and
Category 3: Changing Minds Public Awareness Campaign expansion and enhancement phase 2.

OJJDP-2017-11000

- **URL:** *https://www.grants.gov/web/grants/view-opportunity.html?oppId=292578*

Visiting Fellow: Criminal Justice Statistics Programs
U.S. Dept. of Justice (DOJ) - Office of Justice Programs (OJP) - Bureau of Justice Statistics (BJS)
Due Date: 5/4/2017

BJS's Visiting Fellows Program aims to facilitate collaboration between academic scholars and government researchers in survey methodology, statistics, economics, and social sciences. BJS visiting fellows have the unique opportunity to address substantive, methodological, and analytic issues relevant to BJS programs and to further knowledge about and understanding of the operation of the criminal justice system. Fellows may conduct research at BJS or at their home site, use BJS data and facilities, and interact with BJS staff. Fellowship applicants should have a recognized research record or considerable expertise in their area of proposed research. Applicants must submit a detailed research proposal, which will be evaluated on the applicability of the research to BJS programs, the value of the proposed research to science, and the quality of the applicant's research record. Qualified women and members of minority groups are encouraged to apply. BJS visiting fellows conduct projects that aim to enhance understanding of the operation of the criminal justice system and contribute to the improvement of BJS's statistical programs. The BJS Visiting Fellows Program offers researchers, survey methodologists, and statisticians an opportunity to conduct statistical research in a particular

A bi-weekly publication of the Office of Research and Technology Transfer. For additional information or to request a customized funding opportunity search, please contact *funding@wichita.edu*.

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area of mutual interest to them and BJS, examine innovative approaches to the analysis and dissemination of BJS data, and interact with BJS staff to gain first-hand knowledge of developments in BJS statistical programs. **BJS-2017-11861**

Projects completed or underway by BJS visiting fellows have involved--

- researching issues related to the National Crime Victimization Survey (NCVS) screening process and developing a modular crime incident report
- addressing repeat victimization measured by the NCVS
- the impact of including repeat victimizations in national statistics on criminal victimization
- a framework for organizing and streamlining the NCVS's criminal incident instrument
- measuring the victim-offender overlap
- post-prison mortality and recidivism
- developing weighting and record-linking methods to improve the use of National Corrections Reporting Program (NCRP) data for statistical purposes
- comparing crime and justice in England and the United States
- developing graphical and geographical methods for analyzing criminal justice data
- investigating how different police departments classify assaults and homicides for statistical purposes
- describing differences in punishment across the nation, with a special emphasis on the use of incarceration
- creating easy-to-use, incident-based police datasets for analysis of diverse topics related to crime.

- **URL:** *https://www.bjs.gov/content/pub/pdf/FY2017BJSVFCJSPsol.pdf*

Think Tanks
Mind & Life Institute
Due Dates: 6/1/2017, 12/1/2017

Since its inception, one of the central goals of the Mind & Life Institute has been to establish and support the growing field of contemplative studies. By funding novel research and convening academic scholars across disciplines to explore the potential mechanisms, benefits, and applications of contemplative practices to promote human flourishing, Mind & Life has served as the hub of a rich and expanding network of scientists, humanists, and applied professionals in this field. Over the last decade, the field of contemplative studies has grown substantially and new sub-fields are becoming established. There is now a need for smaller groups of scientists, scholars and those involved in applied fieldwork and policy to come together and dive deeper into specific issues. To deepen this effort and encourage greater impact, we are pleased to offer a new mechanism of support: the Mind and Life Think Tanks program. Mind and Life Think Tanks are intended to be 2- to 3-day events that bring together small groups of scientists and scholars across disciplines to collaboratively explore an idea relevant to contemplative studies (generally between 10-30 people). The group should also include others who are involved in applied fieldwork or policy related to the phenomenon and/or setting of interest. The purpose of each Think Tank will be to incubate or advance a particular project area in

relation to one or more of the following (including, but not limited to): research measures and methods, theory development, philosophical understanding, or evidence-based applications and/or policy. Clear outcomes and deliverables (e.g., manuscript, book, conference, grant proposal, collaborative project, etc.) with timeline must be identified at the outset of the Think Tank and later supported by progress reports and related documentation. Think Tanks must be externally organized by the applicants. Members of the Mind and Life staff and Steering Council may also participate in the funded Think Tanks.

- **URL:** *https://www.mindandlife.org/think-tanks/*

Science, Technology, and Society (STS)
National Science Foundation (NSF)
Due Dates: 8/3/2017, 2/2/2018

The Science, Technology, and Society (STS) program supports research that uses historical, philosophical, and social scientific methods to investigate the intellectual, material, and social facets of the scientific, technological, engineering and mathematical (STEM) disciplines. It encompasses a broad spectrum of STS topics including interdisciplinary studies of ethics, equity, governance, and policy issues that are closely related to STEM disciplines, including medical science. **NSF 15-506**

- **URL:** *https://www.nsf.gov/pubs/2015/nsf15506/nsf15506.htm*

Small Awards in Behavioral Economics
Russell Sage Foundation (RSF)
Due Date: Applications are accepted on a rolling basis

The Russell Sage Behavioral Economics Roundtable (a group of researchers in behavioral economics formed by the Russell Sage Foundation to encourage inter-disciplinary research in behavioral economics) supports a small grants research program to support high quality research in behavioral economics and to encourage young investigators to enter this developing field. There are no limitations on the disciplinary background of the principal investigator, and the proposed research may address any topic in behavioral economics. However, projects must contribute to the Foundation's mission to improve the social and living conditions in the U.S. Interdisciplinary efforts are welcome. Appropriate projects will demonstrate explicit use of psychological concepts in the motivation of the research design and the preparation of the results. Experimental projects which do not have substantial behavioral content (such as market experiments testing neoclassical ideas) or substantial economic content (such as psychology experiments with no economic choices or strategic or market implications) will not be funded.

- **URL:** *http://www.russellsage.org/how-to-apply/small-grants-behavioral-economics*