

## Funding Bulletin

July 29<sup>th</sup>, 2016 (Vol. 3, No. 21)

### Funding Information

To receive funding information, please contact [funding@wichita.edu](mailto: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](mailto: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](mailto:funding@wichita.edu) to have a custom search ran.

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### How to Apply

Proposal development requests should be sent to [proposals@wichita.edu](mailto: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](mailto:jana.henderson@wichita.edu) or 978-3285.

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
<b>IRB Open Lab</b>	August 8	1:30 – 3:00 p.m.	409E 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. <b><i>This is a come and go lab with no registration required.</i></b>
<b>Research Compliance Open Lab</b>	August 17	9:00 – 11:00 a.m.	2015 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. <b><i>This is a come and go lab with no registration required.</i></b>
<b>Animals &amp; People, Oh My! An Overview of IRB and IACUC</b>	August 19	1:00 – 2:30 p.m.	405 Jardine	Presenters: Katie Williams & Linda Steinacher. Please RSVP through the WSU My Training Portal.
<b>Award Management: Keeping Your Award on Track to the Final Report</b>	Sept. 21	2:30 – 4:00 p.m.	405 Jardine	This workshop will cover grant set-up, reporting requirements, research payroll, internal and external grant period extensions, and making budget changes. Presenter: Amy Delgado, Associate Director of Post-Award. RSVP through WSU My Training Portal.

## NOTICES

### New Webinar for Early Career Suicide Prevention Researchers

The [Suicide Prevention Resource Center](#) (SPRC) has just announced a new webinar entitled "Career Development and Research Dissemination: A Webinar for Early Career Suicide Prevention Researchers and Practitioners." The [Injury Control Research Center for Suicide Prevention](#), which is a partner of SPRC, has been offering suicide prevention webinars on a monthly basis and will use this opportunity to address career development and disseminate research results. The webinar will be held **August 11, 2016**. Register [here](#). SPRC is affiliated with the Substance Abuse and Mental Health Services Administration.

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](mailto:funding@wichita.edu).

## INTERNAL OPPORTUNITIES

### **Multidisciplinary Research Project Awards (MURPA)**

*Wichita State University*

**Due Date: 10/7/2016**

Applications for Multidisciplinary Research Project Awards (MURPA) are due to the Office of Research and Technology Transfer by Oct. 7 at 5:00 p.m. for grant period, choice of Jan 1 – June 15, 2017 OR May 1 – Aug 31, 2017. Multidisciplinary Research Projects are projects that involve two or more investigators from different disciplines that focus different perspectives and capabilities on complex problems that intersect established areas of study. They are intended as seed money to develop pilot data for proposals to be submitted to governmental agencies, foundations or industries. Application and instructions are available on the research website and may be submitted electronically to [proposals@wichita.edu](mailto:proposals@wichita.edu) or Campus Box 7.

**For more information, visit**

<http://webs.wichita.edu/?u=WSURESEARCHADMIN&p=/ORAIInternalGrants/ORAIInternalGrants/>

### **University Research/Creative Projects (URCA) – Round Two**

*Wichita State University*

**Due Date: 10/7/2016**

Applications for Round 2 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 Dec 1, 2016 – Dec 31, 2017. URCA's 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](mailto:proposals@wichita.edu) or Campus Box 7.

**For more information, visit**

<http://webs.wichita.edu/?u=wsuresearchadmin&p=/ORAIInternalGrants/ORAIInternalGrants/>

## 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](mailto:proposals@wichita.edu), by the internal 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) America's Promise Job Driven Grant Program**

*U.S Department of labor (DoL) – Employment and Training Administration (ETA)*

**Due Date: Internal 8/1/2016; Application 8/25/2016**

The purpose of America's Promise grant program is to strengthen the pipeline of skilled workers to expand an economic region's middle- to high-skilled workforce within one or more prioritized industry sector(s), thereby creating economic opportunities for America's workforce to gain the necessary skills to fill in-demand jobs and increasing the long-term competitiveness of an economic region. To help achieve this goal, the grant will provide individuals the opportunity to get high-quality, tuition free education and training that leads to in-demand and industry-recognized credentials and degrees. A fundamental goal of America's Promise is to accelerate the development of new and the expansion of existing 21st century regional workforce partnerships with business and industry leaders committed to providing a pipeline of skilled workers in a specific industry sector(s). These partnerships will bring together industry leaders with senior level leadership from workforce and economic development, secondary and post-secondary education, elected officials, and other important community stakeholders. To keep pace with the rapid shifts we are seeing in today's economy, we encourage these partnerships to leverage data and technology to increase communication between employers, workforce and training providers, and job *seekers*. ***You may only submit one application as the lead applicant in response to this FOA. However, you may submit one application as lead applicant, and in addition may be included as a partner in one or more applications submitted where you are not the lead applicant. Multiple applications from an organization as lead applicant are not allowed.***

FOA-ETA-16-12

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=284371>

## **(2) Institutional Research and Academic Career Development Awards (IRACDA) (K12)**

*National Institutes of Health (NIH) - National Institute of General Medical Sciences (NIGMS)*

**Due Date: Internal 8/5/2016; Application 9/19/2016**

The purpose of the Institutional Research and Academic Career Development Award (IRACDA) Program is to develop a group of highly trained biomedical scientists to address the Nation's biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and partner institutions that have a historical mission or a demonstrated commitment to educating students from backgrounds underrepresented in the biomedical research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and mentored teaching assignments at a partner institution. The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) enhance science educational offerings at partner institutions, and promote links between RII and the partner institution(s) through research and teaching collaborations. **Only one application per institution is allowed. PAR-16-103**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-16-103.html>

## **(3) Summer Stipends**

*National Endowment for the Humanities (NEH)*

**Due Date: Internal 8/5/2016; Nominations 9/29/2016**

Summer Stipends support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Eligible projects usually result in articles, monographs, books, digital materials and publications, archaeological site reports, translations, editions, or other scholarly resources. Summer Stipends support projects at any stage of development. Faculty members teaching full-time at colleges or universities must be nominated by their institutions to apply for a Summer Stipend. Once faculty members are nominated by their institutions, they may submit their applications. **Each college and university in the United States and its jurisdictions may nominate two faculty members.**

- URL: <http://www.neh.gov/grants/research/summer-stipends>

#### **(4) Partnerships for International Research and Education (PIRE)**

*National Science Foundation (NSF)*

**Due Date: Internal 8/5/2016; Preliminary Proposal 9/14/2016; Full Proposal 4/24/2017**

Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF-supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. International partnerships are essential to addressing critical science and engineering problems. In the global context, U.S. researchers and educators must be able to operate effectively in teams with partners from different national environments and cultural backgrounds. PIRE promotes excellence in science and engineering through international collaboration and facilitates development of a diverse, globally-engaged, U.S. science and engineering workforce. This PIRE competition will be open to all areas of science and engineering research which are supported by the NSF. ***A single organization may submit one preliminary proposal as the lead institution. Full proposals will be accepted by invitation only. There is no limit on the number of proposals in which an institution can participate as a partner. NSF 16-571***

- URL: <http://www.nsf.gov/pubs/2016/nsf16571/nsf16571.htm>

#### **(5) Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE: GEOPATHS)**

*National Science Foundation (NSF)*

**Due Date: Internal 8/5/2016; Letter of Intent 8/16/2016; Full Proposal 10/11/2016**

NSF's Improving Undergraduate STEM Education (IUSE) initiative, launched in Fiscal Year 2014, supports a coherent set of investments to address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. The NSF-wide IUSE initiative acknowledges the variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science learning scholars to advance our understanding of effective teaching and learning. The Directorate for Geosciences (GEO) contributes to the IUSE initiative through the Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE: GEOPATHS) funding opportunity. IUSE: GEOPATHS invites proposals that specifically address the current needs and opportunities related to undergraduate education within the geosciences community. The primary goal of the IUSE: GEOPATHS funding opportunity is to increase the number of undergraduate students interested in pursuing undergraduate degrees and/or post-graduate degrees in geoscience through the design and testing of novel approaches for engaging students in authentic,

career-relevant experiences in geoscience. In order to broaden participation in the geosciences, engaging undergraduate students from traditionally underrepresented groups or from non-geoscience degree programs is a priority. The IUOE: GEOPATHS solicitation features two funding Tracks: (1) Engaging students in the geosciences through extra-curricular experiences and training activities (GEOPATHS-EXTRA), and (2) Improving pathways into the geosciences through institutional collaborations and transfer (GEOPATHS-IMPACT). A well-prepared, innovative science, technology, engineering and mathematics (STEM) workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate populace. Both of these priorities depend on the nature and quality of the undergraduate education experience. In addressing these STEM challenges and priorities, the National Science Foundation invests in evidence-based and evidence-generating approaches to understanding STEM learning; to designing, testing, and studying instruction and curricular change; to wide dissemination and implementation of best practices; and to broadening participation of individuals and institutions in STEM fields. The goals of these investments include: increasing the number and diversity of STEM students, preparing students well to participate in science for tomorrow, and improving students' STEM learning outcomes. ***An organization may serve as sole submitting institution or as lead institution of a collaborative project on only one submission per competition, regardless of track, but may serve as the non-lead institution of a collaborative project more than once per competition. Additional eligibility requirements are described later in the solicitation. NSF 16-584***

- URL: <http://www.nsf.gov/pubs/2016/nsf16584/nsf16584.htm>

## (6) Environmental Grants

V. Kann Rasmussen Foundation (VKRF)

**Due Date: Internal 8/12/2016; Letters of Inquiry 9/14/2016**

The urgency of dealing with climate change, unsustainable consumption, and loss of biodiversity are the overall themes for VKRF. VKRF works primarily in the United States, but only on national and international level issues. Any non-US funding must be multinational in scope and not focus on any specific country, region, or continent.

### **VKRF favors projects that:**

- take stock of the scale of the environmental problems
- use a systems approach to achieve change
- link policy, advocacy, and practical solution
- have international significance and perspective - even if US based
- are based on original thinking and creative ideas

VKRF does not provide core funding. Currently, VKRF only evaluates projects that fall within one of the following categories:

**Ecosystems Resilience, Protection and Restoration**

- Ecosystem services - research and tools of relevance to large scale geographic areas including many countries and continents
- Natural greenhouse gas sequestration and storage with large-scale impact potential
- Agro-biodiversity

**Framework of Ecological Stability**

- Economic models of living within global limits and practical implementation of change to a stable global ecosystem
- Sustainable consumption, production, and land use

**Communication and Leadership**

- Communicating value-based living with sustainable use of water, energy, and food resources
- New innovative initiatives to enhance international cooperation and knowledge-sharing
- Next generation leadership

***Each applicant is limited to submitting a maximum of 2 LOIs.***

- URL: <http://www.vkrf.org/content/apply-funding>

**(7) Platforms for Advanced Wireless Research (PAWR): Establishing the PAWR Project Office (PPO)**

*National Science Foundation (NSF)*

**Due Date: Internal 8/12/2016; Preliminary Proposal 9/20/2016; Full Proposal 11/23/2016**

The Platforms for Advanced Wireless Research (PAWR) program aims to support advanced wireless research platforms conceived by the U.S. academic and industrial wireless research community. PAWR will enable experimental exploration of robust new wireless devices, communication techniques, networks, systems, and services that will revolutionize the nation's wireless ecosystem, thereby enhancing broadband connectivity, leveraging the emerging Internet of Things (IoT), and sustaining US leadership and economic competitiveness for decades to come. In order to support the design, development, deployment, and operations of the advanced wireless research platforms, the National Science Foundation's (NSF) Directorate for Computer and Information Science and Engineering (CISE) will support the work of a PAWR Project Office (PPO). Working closely with the wireless research community, the PPO will assume responsibility for design, development, and deployment of a set of advanced wireless research platforms. Upon successful completion of the design of advanced wireless research platforms, and contingent upon support from NSF management, the PPO will proceed to the development and deployment phases with funding provided by NSF as well as a PAWR Industry



Consortium. Upon successful deployment of each individual research platform, the PPO may subsequently operate the platform in service to the wireless research community. ***An organization may participate in no more than one PPO proposal submitted to this solicitation. For collaborative proposals involving multiple institutions, the proposal should be submitted by only one institution, with funding for participating institutions made through subawards. Proposals should not be submitted as separately submitted collaborative proposals.*** NSF 16-585

- URL: <http://www.nsf.gov/pubs/2016/nsf16585/nsf16585.htm>

## ARTS & HUMANITIES

### Grants to Individuals

*Graham Foundation for Advanced Studies in the Fine Arts*

**Due Date: Inquiry Forms 9/15/2016**

The foundation makes project-based grants to individuals and produces public programs to foster the development and exchange of diverse and challenging ideas about architecture and its role in the arts, culture, and society. Architecture and related spatial practices engage a wide range of cultural, social, political, technological, environmental, and aesthetic issues. The foundation is interested in projects that investigate the contemporary condition, expand historical perspectives, or explore the future of architecture and the designed environment. The foundation supports innovative, thought-provoking investigations in architecture; architectural history, theory, and criticism; design; engineering; landscape architecture; urban planning; urban studies; visual arts; and related fields of inquiry. The foundation's interest also extends to work being done in the fine arts, humanities, and sciences that expands the boundaries of thinking about architecture and space. Open discourse is essential to advance study and understanding, therefore the foundation's grantmaking focuses on the public dissemination of ideas. With the foundation's support, the work of individuals reaches new audiences, from specialized to general, and creates opportunities for critical dialogue between various publics. For individuals, the foundation's priorities are to:

- provide opportunities to create, develop, and communicate a project about architecture and the designed environment that will contribute to their creative, intellectual, and professional growth at crucial or potentially transformative stages in their careers;
- support their efforts to take positions, develop new forms of expression, and engage debate;
- help them communicate their work in the public realm and reach new and wider audiences; and
- support new voices by giving priority to first-time applicants.

Overall the foundation is most interested in opportunities which enable it to provide critical support at key points in the development of a project or career.

Given the foundation's priorities, the foundation believes projects of the greatest potential should fulfill the following criteria:

1. Originality: the project demonstrates an innovative, challenging idea; critical, independent thinking; advanced scholarship; a new or experimental approach
2. Potential for impact: the project makes a meaningful contribution to discourse and/or to the field; expands knowledge; is a catalyst for future inquiry; raises awareness of an understudied issue; promotes diversity in subject matter, participants, and audience
3. Feasibility: the project has clear and realistic goals, timeframe, work plan, and budget
4. Capacity: applicant possesses strong qualifications and/or knowledge; demonstrates ability to carry out the project successfully; has access to necessary resources outside of the grant request

The foundation offers two types of grants to individuals: Production and Presentation Grants, and Research and Development Grants.

**1. Production and Presentation Grants:**

These grants assist individuals with the production-related expenses that are necessary to take a project from conceptualization to realization and public presentation. These projects may include, but are not limited to, publications, exhibitions, installations, films, new media projects, and other public programs. Projects must have clearly defined goals, work plans, budgets, and production and dissemination plans.

**2. Research and Development Grants:**

Though the majority of the foundation's grantmaking focuses on Production and Presentation Grants, the foundation recognize that projects may require support at early stages of formation. Research and Development Grants assist individuals with seed money for research-related expenses such as travel, documentation, materials, supplies, and other development costs. Projects must have clearly defined goals, work plans and budgets. Upon completion of research projects, recipients must complete a research report and provide documentation that can be archived at the foundation and/or presented on the foundation's website.

- URL: [http://www.grahamfoundation.org/grant\\_programs?mode=individual](http://www.grahamfoundation.org/grant_programs?mode=individual)

## **ABOG Fellowship for Socially Engaged Art**

*A Blade of Grass (ABOG)*

**Due Date: Letters of Intent 9/19/2016; Applications 1/6/2017**

ABOG provides resources to artists who demonstrate artistic excellence and serve as innovative conduits for social change. ABOG evaluates the quality of work in this evolving field by fostering an inclusive, practical discourse about the aesthetics, function, ethics and meaning of socially engaged art that resonates within and outside the contemporary art dialogue. **ABOG funds the following:**

- Socially engaged projects in which art is a catalyst for social change.
- Projects that feature artists in leadership roles.
- Dialogue-based projects that emphasize sustainable partnerships with communities.
- Projects in which artists engage community members as equal partners.
- Projects in which co-creation with non-artists is part of the process.

ABOG values process over product: relationship building and problem solving are key goals. ABOG provides funding with minimal restriction, and budget line items may include things like living expenses that are not direct project expenses.

### **ABOG Fellowship for Contemplative Practice**

This year, A Blade of Grass is pleased to introduce the ABOG Fellowship for Contemplative Practice in partnership with the Hemera Foundation. This fellowship supports artists who work with the intersection of social practice and contemplative practice. Contemplative practice spans across many religious and secular traditions, and has been historically central to the artistic practice of many great artists. Applicants should be able to define their contemplative practice and the impact it has made on their life and work. Applicants should be able to demonstrate a commitment to their individual contemplative practice and be able to articulate how their contemplative practice influences their social practice. Projects do not need to include contemplative practice with a community. Applicants who apply for the ABOG Fellowship for Contemplative Practice will also be considered as part of the larger ABOG Fellowship applicant pool.

- URL: <http://www.abladeofgrass.org/application/guidelines/>

## **Humanities Connections**

*National Endowment for the Humanities (NEH)*

**Due Date: 10/5/2016**

Humanities Connections grants seek to expand the role of the humanities in the undergraduate curriculum at two- and four-year institutions, offering students in all academic fields new opportunities to develop the intellectual skills and habits of mind that the humanities cultivate. Grant projects focus on connecting the resources and perspectives of the humanities to students' broader educational and professional goals, regardless of their path of study. Through this new grant program, NEH invites proposals that reflect innovative and imaginative approaches to preparing students for their roles as engaged citizens and productive professionals in a rapidly changing and interdependent world. Grants support the development and implementation of an integrated set of courses and student engagement activities focusing on significant humanities content. A common topic, theme, or compelling issue or question must link the courses and activities. The linked courses (a minimum of three) may fulfill general education or core curriculum requirements but could also be designed primarily for students in a particular major or course of study. The Humanities Connections program gives special encouragement to projects that foster collaboration between humanities faculty and their counterparts in the social and natural sciences and pre-service or professional programs in business, engineering, health sciences, law, computer science, and other non-humanities fields. **20161005-AK**

### **Humanities Connections projects have two core features:**

1. faculty from at least two separate departments or schools at a single institution must collaborate to devise new curricular arrangements; and
2. projects must include provisions for high-impact student engagement activities that relate directly to the topic(s) of the linked courses. These activities could include individual or collaborative undergraduate research projects; opportunities for civic engagement; or a structured experience with community-based, project-based, or site-based learning. Community organizations and cultural institutions can play key roles in this regard.

- URL: <http://www.neh.gov/grants/education/humanities-connections>

## **Research: Art Works**

*National Endowment for the Arts (NEA)*

**Due Date: Step 1 – Submit SF-424 to Grants.gov 10/11/2016; Step 2 – Submit Materials to NEA-GO 10/18/2016**

The NEA's Office of Research & Analysis will make awards to support research that investigates the value and/or impact of the arts, either as individual components within the U.S. arts ecology or as they

interact with each other and/or with other domains of American life. "Value"-oriented research measures or otherwise clarifies one or more factors, characteristics, and conditions of the U.S. arts ecosystem as illustrated above. Examples may include but are not limited to descriptive studies of arts participation and arts learners, artists and art workers, arts organizations and arts industries, and arts funders and arts volunteers. Such research also may probe the underlying conditions and vehicles for arts participation. For instance, it can examine how training and education affects arts creation, arts audiences, or other aspects of arts engagement. Separately, research on "impact" investigates the direct and indirect benefits of arts participation on individual health and well-being; individual cognitive capacity, learning, and creativity; community livability; or economic prosperity. Research also could examine the effects of arts participation on broader-level outcomes, such as new forms of self-expression, new outlets for creative activity, and the overall creative and expressive capacity of U.S. society. Priority will be given to applications that present theory-driven research questions and methodologies that will yield important information about the value and/or impact of the arts on individuals and communities. By providing financial support to deserving projects, the NEA anticipates that this program will spur growth in the number of people experienced in and knowledgeable about arts-related research in the U.S. As an indicator of this growth, the NEA will look for the program to foster more collaborations between arts practitioners (e.g., artists or arts organizations) and researchers or program evaluators. At the same time, some of the most compelling research about the arts has originated in non-arts specialties: cognitive neuroscience, for example, with its discoveries about the arts' role in shaping learning-related outcomes; labor economics, with its lessons about the arts' impact on national and local productivity; urban planning work that seeks to understand the arts as a marker of community vitality; and psychological studies that posit the arts' relationship to health and well-being across the lifespan. In this spirit, the NEA encourages applications from diverse research fields (e.g., psychology, education, economics, sociology, medicine and health, communications, and urban and regional planning) in addition to projects that address a diverse array of topics concerning the value and/or impact of the arts. Funds will be given for projects that involve analyses of primary and/or secondary data. Primary data collection is an allowable activity under these grants, as long as a proposed project also includes analysis of that data. The NEA will not fund projects that focus exclusively on data acquisition. Projects may include, but are not limited to, primary and/or secondary data analyses; psychological studies that take place in clinical or non-clinical settings; third-party evaluations of an arts program's effectiveness and impact; and statistically-driven meta-analyses of existing research so as to provide a fresh understanding of the value and/or impact of the arts. Competitive applications will take into account any extant research that serves as a basis for a theoretical framework, and helps to motivate the proposed project. The NEA also is interested in translational research that moves scientific evidence toward the development, testing, and standardization of new arts-related programs, practices, models, or tools that can be used easily by other practitioners and researchers. **2017NEAORA**

- URL: <https://www.arts.gov/grants-organizations/research-art-works>

## Grants

*Weill Foundation for Music, Inc., Kurt*

**Due Date: 11/1/2016, 6/1/2017**

*(Note: Applications for support of major professional productions/festivals/exhibitions, etc., may be evaluated on a case-by-case basis without application deadlines. Organizations are encouraged, however, to apply well in advance of the event.)*

The Foundation's Grant Program awards financial support worldwide to not-for-profit organizations for performances of musical works by Kurt Weill and Marc Blitzstein, to individuals and not-for-profit organizations for scholarly research pertaining to Kurt Weill, Lotte Lenya, and Marc Blitzstein, and to not-for-profit organizations for relevant educational or scholarly initiatives.

### Funding Categories:

#### 1. Performance

##### **a. Professional Performance**

Funding may be requested by professional opera companies, theater companies, dance companies, and concert groups for performances of musical works by Kurt Weill and/or Marc Blitzstein.

##### **b. College/University Performance**

Grants are awarded to colleges and universities in support of general production expenses for performances of Kurt Weill's and/or Marc Blitzstein's stage works, and to cover musical expenses in connection with performances of Weill's or Blitzstein's concert works.

#### **For both Performance categories, applicants should note:**

- All works must be presented in their authorized versions and orchestrations.
- Productions of *The Threepenny Opera* are not eligible for funding in the Professional Performance category.
- Performances of *Die sieben Todsünden* are fundable only in Weill's original orchestration and keys. (The arrangement for low voice by Brückner-Rüggeberg is thus ineligible.)
- Performances of *Kleine Dreigroschenmusik* alone are normally not eligible for funding, unless the piece is programmed as part of a group of Weill works.
- Compilation properties consisting of individual Weill or Blitzstein songs do not qualify for support.
- Musical adaptations and proposals in which the music serves in an incidental or background capacity are not eligible for funding.
- Costs for new translations or adaptations of dramatic works are not eligible for funding (although the productions themselves may be).
- "Indirect costs," administrative expenses, and institutional overhead are not eligible for funding.

#### 2. Media

Support may be requested for radio, television, video, film, or multimedia projects that feature Kurt Weill's, Lotte Lenya's, or Marc Blitzstein's life and/or music.

### **3. Scholarly Symposia/Conferences; Educational Outreach; Community Engagement**

Performing and educational organizations may request funding for scholarly or educational activities (workshops, symposia, scholarly conferences, secondary and college-level educational initiatives, etc.) focusing on Weill, Lenya, and/or Blitzstein. Support may be requested for payment of honoraria and travel expenses, preparation and printing of supporting materials, etc.

### **4. Kurt Weill Mentors**

Performing arts organizations and educational institutions may request support to engage conductors, directors, performers, and scholars who have been designated "Kurt Weill Mentors" by the Kurt Weill Foundation. Kurt Weill Mentors might aid in preparation of Weill or Blitzstein stage or concert performances, present workshops master classes, or lectures, or lead study days or colloquia. Such requests may be considered even when the relevant performances would not otherwise be eligible for support under the Foundation's grant program. Applicants should contact the Foundation for further information, and the Foundation will recommend appropriate Weill Mentors for specific projects.

### **5. Kurt Weill Dissertation Fellowship**

Doctoral candidates may apply for dissertation fellowships to assist in research activities on Weill, Lenya and/or Blitzstein-related topics. Fellowships are reserved for candidates with extraordinary potential for contribution to the field evidenced by recommendations from the academic community. The applicant's project should address significant lacunae in Weill, Lenya, and/or Blitzstein research.

### **6. Publication Assistance**

Funding may be requested by authors and not-for-profit publishers to subvent expenses related to preparing manuscripts for publication in a recognized scholarly medium, including editing, indexing, design, and reproduction fees. Topics must be related to Kurt Weill, Lotte Lenya, and/or Marc Blitzstein. All publications must have been subject to peer review. Publication Assistance may be awarded to scholars previously funded with a Research and Travel Grant or a Dissertation Fellowship.

### **7. Research and Travel**

Funding may be requested to support research and travel expenses to the Weill-Lenya Research Center and other locations of primary source material. Applicants must be researching a topic related to Kurt Weill, Lotte Lenya, and/or Marc Blitzstein.

- URL: <http://www.kwf.org/pages/grant-program.html>

## **Sustaining Cultural Heritage Collections (SCHC)**

*National Endowment for the Humanities (NEH)*

**Due Date: 12/1/2016**

Sustaining Cultural Heritage Collections (SCHC) helps cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting sustainable conservation measures that mitigate deterioration and prolong the useful life of collections. Libraries, archives, museums, and historical organizations across the country face an enormous challenge:

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to preserve collections that facilitate research, strengthen teaching, and provide opportunities for life-long learning in the humanities. Ensuring the preservation of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art, and historical objects requires institutions to implement measures that slow deterioration and prevent catastrophic loss. This work is best accomplished through preventive conservation, which encompasses managing relative humidity, temperature, light, and pollutants in collection spaces; providing protective storage enclosures and systems for collections; and safeguarding collections from theft and from natural and man-made disasters. As museums, libraries, archives, and other collecting institutions strive to be effective stewards of humanities collections, they must find ways to implement preventive conservation measures that are sustainable. This program therefore helps cultural repositories plan and implement preservation strategies that pragmatically balance effectiveness, cost, and environmental impact. Sustainable approaches to preservation can contribute to an institution's financial health, reduce its use of fossil fuels, and benefit its green initiatives, while ensuring that collections are well cared for and available for use in humanities programming, education, and research. All applicants, whether applying for planning or implementation projects, are required to focus on sustainable preventive conservation strategies.

**20141203-PF**

- URL: <http://www.neh.gov/grants/preservation/sustaining-cultural-heritage-collections>

## EDUCATION

### Letters of Intent for Early Childhood Programs

*Caplan Foundation for Early Childhood*

**Due Date: Letters of Inquiry 9/30/2016**

The [Caplan Foundation for Early Childhood](#) supports innovative, creative projects, and programs designed to significantly enhance the development, health, safety, education, and/or quality of life of children from infancy through five years of age. The foundation provides funding in the areas of early childhood welfare, early childhood education and play, and parenting education.

1) **Early Childhood Welfare:** Children can only reach their full potential when all aspects of their development, intellectual, emotional and physical are optimally supported. Providing a safe and nurturing environment for infants and preschoolers is essential, as is imparting to them the skills of social living in a culturally diverse world. To that end, the foundation supports programs that research



best child rearing practices and identify models that can provide creative, caring environments to ensure all children thrive.

2) **Early Childhood Education and Play:** Research shows that children need to be stimulated as well as nurtured, early in life, if they are to succeed in school, work, and life. That preparation relates to every aspect of a child's development, from birth to age 5, and everywhere a child learns -- at home, in childcare settings, and in preschool. The foundation seeks to improve the quality of both early childhood teaching and learning through the development of innovative curricula and research-based pedagogical standards, as well as the design of imaginative play materials and learning environments.

3) **Parenting Education:** To help parents create nurturing environments for their children, the foundation supports programs that teach parents about developmental psychology, cultural child-rearing differences, pedagogy, issues of health, prenatal care and diet, as well programs that provide both cognitive and emotional support to parents.

Letters of Inquiry are reviewed on a quarterly basis. Upon review, selected applicants will be invited to submit full applications.

- URL: <http://earlychildhoodfoundation.org/>

## Counseling Research Grants

*Chi Sigma Iota*

**Due Date: 11/15/2016**

[Chi Sigma Iota](#) is the international honor society for professional counselors. It was established in 1985 through the efforts of leaders in the profession of counseling whose desire was to provide recognition for outstanding achievement as well as outstanding service within the profession. The organization works to promote scholarship, research, professionalism, leadership, and excellence in counseling and recognizes high attainment in the pursuit of academic and clinical excellence in the profession of counseling. To that end, CSI awards grants of up to \$2,500 to projects with a focus on professional advocacy, professional identity, and leadership research; wellness counseling research; developmental counseling research, and leadership research.

**1) Professional Advocacy, Professional Identity, and Leadership Research:** CSI seeks research related to advocacy for the counseling profession and, in particular, research on the professional identity of counselors. Research should be grounded in the [CSI Advocacy Themes](#) and focused on issues such as disparities in licensure laws and the importance of program accreditation for professional identity.

**2) Wellness Counseling Research:** Support will be provided for research related to the wellness of counselors, counselor educators, and clients, as well as other professionals who interact with clients. Preference will be given to proposals with a holistic focus that incorporate multiple aspects of wellness

rather than those with a narrow scope focusing on only one wellness component (e.g., exercise, spirituality).

**3) Developmental Counseling Research:** Support will be provided for research related to how and when to intervene as a counselor in ways that are culturally appropriate and effective.

**4) Leadership Research:** Chi Sigma Iota's mission includes promoting leadership in the counseling profession, especially leadership that promotes a strong professional counselor identity. The purpose of this funding priority is to support research that examines best practices of counseling leadership particularly within professional counseling associations, state counselor licensure boards, counselor education accrediting agencies, and counseling credentialing agencies.

To be eligible, applicants must be a CSI member in good standing at the time of application and for the duration of the proposed project. The online proposal form will be posted in July 2016. See the CSI website for complete program guidelines and application instructions.

- URL: [https://www.csi-net.org/?page=Research\\_Excelsence](https://www.csi-net.org/?page=Research_Excelsence)

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### Partnerships for Innovation: Accelerating Innovation Research - Technology Translation (PFI: AIR-TT)

*National Science Foundation (NSF)*

**Due Date: Letters of Intent 9/8/2016; Full Proposals 10/11/2016**

The NSF Partnerships for Innovation (PFI) program within the Division of Industrial Innovation and Partnerships (IIP) is an umbrella for two complementary subprograms, Accelerating Innovation Research (AIR) and Building Innovation Capacity (BIC). Overall, the PFI program offers opportunities to connect new knowledge to societal benefit through translational research efforts and/or partnerships that encourage, enhance and accelerate innovation and entrepreneurship. The subject of this solicitation is PFI: AIR-Technology Translation (PFI: AIR-TT). The PFI: AIR-TT solicitation serves as an early opportunity to move previously NSF-funded research results with promising commercial potential along the path toward commercialization. Projects are supported to demonstrate proof-of-concept, prototype, or scale-up while engaging faculty and students in entrepreneurial/innovative thinking. **NSF 16-583**

- URL: <http://www.nsf.gov/pubs/2016/nsf16583/nsf16583.htm>

## **NSF/Intel Partnership on Information-Centric Networking in Wireless Edge Networks**

*National Science Foundation (NSF)*

**Due Date: Letters of Intent 9/19/2016; Full Proposals 11/21/2016**

Next-generation wireless networks, utilizing a wide swath of wireless spectrum and an array of novel technologies in the wired and wireless domains, are on the cusp of unleashing a broadband revolution with promised peak bit rates of tens of gigabits per second and latencies of less than a millisecond. Such innovations will make possible a new set of applications such as autonomous vehicles, industrial robotics, tactile Internet applications, virtual and augmented reality, and dense Internet of Things (IoT) deployments. A key requirement of these applications is fast information response time that is invariant as a function of the bandwidth demanded, users/devices supported, and data generated, of which low-latency wireless access time is only one component. Intrinsic security, seamless mobility, scalable content caching, and discovery/distribution services are also essential for such applications. This solicitation seeks unique data network architectures featuring an information plane using an Information-Centric Networking (ICN) approach and addressing discovery, movement, delivery, management, and protection of information within a network, along with the abstraction of an underlying communication plane creating opportunities for new efficiencies and optimizations across communications technologies that could also address latency and scale requirements. **NSF 16-586**

- URL: <http://www.nsf.gov/pubs/2016/nsf16586/nsf16586.htm>

## **Wireless Innovation between Finland and the US (WiFiUS)**

*National Science Foundation (NSF)*

**Due Date: 10/17/2016**

The US National Science Foundation (NSF) and the Academy of Finland have signed a Memorandum of Understanding (MOU) on research cooperation in the area of wireless networking. This MOU provides an overarching framework to encourage collaboration between the US and Finland research communities, and sets out the principles by which jointly supported activities may be developed. With this solicitation, NSF's Directorate for Computer and Information Science and Engineering (CISE) and the Academy of Finland continue a joint program in the area of wireless networking, known as Wireless Innovation between Finland and US (WiFiUS) that provides for an international collaboration arrangement whereby US researchers may receive funding from NSF and Finnish collaborators may receive funding from the Academy of Finland to pursue joint projects. Specifically, this solicitation continues the previous WiFiUS effort (see NSF 14-563), encouraging new and closer research collaborations, and addressing compelling research challenges on novel frameworks, architectures, protocols, theories, methodologies, and tools for the design and analysis of robust and highly dependable wireless communication systems and networks, particularly in light of the emerging Internet of Things (IoT). This NSF solicitation parallels an equivalent Academy of Finland solicitation.

Proposals submitted pursuant to this solicitation must describe joint research with Finnish counterparts who are requesting funding separately under the Academy of Finland solicitation. **NSF 16-587**

- URL: <http://www.nsf.gov/pubs/2016/nsf16587/nsf16587.htm>

### **Electronics, Photonics, and Magnetic Devices (EPMD)**

*National Science Foundation (NSF)*

**Due Date: 11/1/2016**

*Note: These submission windows do not apply to workshop proposals, proposals for EARly-concept Grants for Exploratory Research (EAGER), or Rapid Response Grants (RAPID). The ECCS Division discourages multiple proposals by the same PI and/or Co-PI within the same submission window.*

The EPMD Program seeks to improve the fundamental understanding of devices and components based on the principles of micro- and nano-electronics, optics and photonics, optoelectronics, magnetics, electromechanics, electromagnetics, and related physical phenomena. The program enables discovery and innovation advancing the frontiers of nanoelectronics, spin electronics, molecular and organic electronics, bioelectronics, biomagnetics, non-silicon electronics, and flexible electronics. The Optics & Photonics component of EPMD supports research and engineering efforts leading to significant advances in novel optical sources and photodetectors, optical communication devices, photonic integrated circuits, single-photon quantum devices, and nanophotonics. Related areas of interest include novel optical imaging and sensing applications and solar cell photovoltaics. The Electronics & Magnetic component of EPMD addresses advances in energy-efficient electronics, sensors, low-noise, power electronics, and mixed signal devices. EPMD supports related topics in quantum devices and novel electromagnetic materials-based device solutions from DC to high-frequency, millimeter-wave and THz, monolithic integrated circuits built with them, and electromagnetic effects, components needed for communications, telemedicine, and other wireless applications. Wide bandgap semiconductor devices, device design, processing and characterization, as well as metamaterial and plasmonic based devices are of interest. Novel electronic, photonic and magnetic devices with organic, inorganic or hybrid materials on conformable or transparent substrates are also of interest, as are carbon-based and emerging 2D atomic-layered materials for electronic, photonic, magnetic, energy harvesting and other related device application areas. Interest extends to novel ideas for next generation of memory devices. The program supports cooperative efforts with the semiconductor industry on new nanoelectronics concepts beyond the scaling limits of silicon technology. EPMD additionally emphasizes emerging areas of diagnostic, wearable and implantable devices, and supports manipulation and real-time measurement with nanoscale precision through new approaches to imaging and metrology. **PD 13-1517**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13379](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13379)

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## Energy, Power, Control and Networks (EPCN)

National Science Foundation (NSF)

**Due Date: 11/1/2016**

Recent advances in communications, computation, and sensing technologies offer unprecedented opportunities for the design of cyber-physical systems with increased responsiveness, interconnectivity and automation. To meet new challenges and societal needs, the Energy, Power, Control and Networks (EPCN) Program invests in systems and control methods for analysis and design of cyber-physical systems to ensure stability, performance, robustness, and security. Topics of interest include modeling, optimization, learning, and control of networked multi-agent systems, higher-level decision making, and dynamic resource allocation as well as risk management in the presence of uncertainty, sub-system failures and stochastic disturbances. EPCN also invests in adaptive dynamic programming, brain-like networked architectures performing real-time learning, and neuromorphic engineering. EPCN supports innovative proposals dealing with systems research in such areas as energy, transportation, and nanotechnology. EPCN places emphasis on electric power systems, including generation, transmission, storage, and integration of renewables; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory and economic structures and with consumer behavior. Also of interest are interdependencies of power and energy systems with other critical infrastructures. Topics of interest include energy scavenging and alternate energy technologies such as solar, wind, and hydrokinetic. The program also supports innovative tools and test beds, as well as curriculum development integrating research and education. In addition to single investigator projects, EPCN encourages cross-disciplinary proposals that benefit from active collaboration of researchers with complementary skills. PD 16-7607

Areas covered by the EPCN Group (Abed, Baheti, and Khaligh):

1. Control Theory and Hybrid Dynamical Systems
2. Networked Multi-agent Systems
3. Cyber Physical Systems Modeling and Control
4. System Theory for Biology and Medicine; Modeling of the Brain
5. Control and Optimization in Buildings, Transportation, and Robotics
6. Adaptive and Intelligent Systems; Neural Networks
7. Energy Harvesting, Storage Devices and Systems
8. Solar and Wind Energy and Integration of Renewables with Grid
9. Monitoring, Protection and Cyber Security of Power Grid
10. Advanced Power Electronics and Electric Machines
11. Electric and Hybrid Vehicles; Integration with Grid
12. Policy, Economics, Consumer Behavior and the Power Grid

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505249](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505249)

### **ACS National Awards**

*American Chemical Society (ACS)*

**Due Date: 11/1/2016**

The ACS National Awards program is designed to encourage the advancement of chemistry in all its branches, to support research in chemical science and industry, and to promote the careers of chemists. Each recipient is required to deliver an address on the scientific work that is being recognized by the Award during the spring National Meeting. The presentation will be given in a designated division or a division appropriate for the Award depending on the eligibility requirements of the Award. The Award will be presented to the recipient at the spring National Meeting during the National Awards Program Ceremony and General Meeting of the Society. The Arthur C. Cope Scholar Awards will be presented during the fall National Meeting.

- URL: <https://www.acs.org/content/acs/en/funding-and-awards/awards/national.html>

### **Ceramics (CER)**

*National Science Foundation (NSF)*

**Due Date: 11/2/2016**

This program supports fundamental research including combined experiment and theory projects in ceramics (e.g., oxides, carbides, nitrides and borides), glass-ceramics, inorganic glasses, ceramic-based composites and inorganic carbon-based materials. The objective of the program is to increase fundamental understanding and to develop predictive capabilities for relating synthesis, processing, and microstructure of these materials to their properties and ultimate performance in various environments and applications. Research to enhance or enable the discovery or creation of new ceramic materials is welcome. Development of new experimental techniques or novel approaches to carry out projects is encouraged. Topics supported include basic processes and mechanisms associated with nucleation and growth of thin films; bulk crystal growth; phase transformations and equilibria; morphology; surface modification; corrosion, interfaces and grain boundary structure; and defects. The microstructures investigated range from crystalline, polycrystalline, and amorphous to composite and nanostructured materials. PIs uncertain about whether or not their project is suitable for submission to the Ceramics Program may submit a draft of their NSF Project Summary by e-mail to the Program Director for comment. **PD 14-1774**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5352](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5352)

### **Electronic and Photonic Materials (EPM)**

*National Science Foundation (NSF)*

**Due Date: 11/2/2016**

The goal of this program is to advance the field of electronics and photonics through basic, potentially transformative materials science research. The scope of the program encompasses the discovery and understanding of materials and material combinations with potential for major technological advantages. Program focus is on identification and understanding of fundamental atomic and molecular level mechanisms and phenomena associated with synthesis and processing of electronic and photonic materials. High risk, high payoff research is encouraged. For example, novel materials are sought that may offer new paradigms in critical computing and communications components, or enable low cost, highly efficient, and stable photovoltaics, solid state lighting, and displays. Research topics include, but are not limited to, nucleation and growth of thin films and nanostructures; self-assembly; nanostructure definition and etching processes; interface bonding and structure; crystal and interface defects; doping; bulk crystal growth; and interrelationships between synthesis/processing, structure, and properties. **PD 03-1775**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5353](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5353)

### **Polymers (POL)**

*National Science Foundation (NSF)*

**Due Date: 11/2/2016**

The program supports fundamental research and education on polymeric materials and polymer science. The program portfolio is mainly experimental and highly diverse with components of materials science, chemistry, physics, and other related disciplines. While interdisciplinarity is stressed, central goals include advancing the foundations of polymer science through innovative research and education and pushing back the wide horizon of the field. Polymers are studied from the molecular level through the nano-to-macro continuum using fundamental materials-focused scientific approaches. Such approaches are experimental but may also closely integrate theoretical, computational, or cyber aspects. Broad areas addressed include synthesis, molecular and self-assembly, characterization, phase behavior, structure, morphology, and properties. Particular focus is on transformative approaches to innovative materials with superior properties, on advancing polymer fundamentals and optimizing structure-property relationships, as well as on basic research addressing major societal challenges. High-quality proposals that integrate research, education, and other broader impacts are invited. **PD 03-1773**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5357](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5357)

### **Lifetime Achievement Award**

*National Council of Teachers of Mathematics (NCTM) - Mathematics Education Trust (MET)*

**Due Date: 11/4/2016**

The award honor members of NCTM who have exhibited a lifetime of achievement in mathematics education at the national level. Nominees should have a minimum of 25 years of distinguished service to mathematics education.

- URL: <http://www.nctm.org/metlifetime/>

### **Astronomy and Astrophysics Research Grants (AAG)**

*National Science Foundation (NSF)*

**Due Date: 11/15/2016**

The Astronomy and Astrophysics Research Grants (AAG) Program provides individual investigator and collaborative research grants for observational, theoretical, laboratory, and archival data studies in astronomy and astrophysics. Acceptable research areas include the following: stellar astronomy and astrophysics; the astronomy and astrophysics of our Galaxy; extragalactic astronomy and astrophysics; and cosmology. Proposals for projects and tools that enable and enhance research in those areas are also acceptable. Proposals that are solely or predominantly for the acquisition, analysis, or interpretation of space-based data from NASA-supported missions will be returned without review. Importantly, proposals about the astronomy and astrophysics of our Sun, the rest of our Solar System, and/or Extrasolar Planets will be handled under a companion NSF solicitation, not under the AAG Program. **NSF 16-574**

- URL: <http://www.nsf.gov/pubs/2016/nsf16574/nsf16574.htm>

### **Office of Incisive Analysis Office-Wide Broad Agency Announcement (BAA)**

*Office of the Director of National Intelligence - Intelligence Advanced Research Projects Activity (IARPA)*

**Due Date: BAA open through 5/10/2017**

IARPA's Office of Incisive Analysis is soliciting proposals for research that will maximize insight from the information the Intelligence Community collects, in a timely fashion. IARPA invests in high-risk, high-payoff research that has the potential to provide our nation with an overwhelming intelligence advantage over future adversaries. This BAA solicits abstracts/proposals for the Office of Incisive Analysis (IA). IA focuses on maximizing insights from the massive, disparate, unreliable and dynamic



data that are - or could be - available to analysts, in a timely manner. IARPA is pursuing new sources of information from existing and novel data, and developing innovative techniques that can be utilized in the processes of analysis. IA programs are in diverse technical disciplines but have the following common features: (a) they create technologies that can earn the trust of the analyst user by providing the reasoning for results; and (b) they address data uncertainty and provenance explicitly. **The following topics (in no particular order) are of interest to IA:**

- Reliable, real-time feedback methods for assessing human judgment and reasoning;
- Discovering, tracking and categorizing emerging trends, events, and entities;
- Forensics on multimedia and/or social network data;
- Methods for analyzing, reconciling, and managing massive, multimodal, dynamic and diverse data;
- Enhancement of machine learning methods with transparent representations that allow for validation and high confidence in results;
- Methods to generate high resolution geospatial models or 4D geospatial/temporal models from multimodal data;
- Alternative computing regimes and data sharing environments that would facilitate multi-INT processing and asynchronous trusted collaboration;
- Dynamic means to expose and enhance unprocessed data and interim and/or alternative analytic products across domains and/or represent cascade effects of new information on existing models;
- Scalable and adaptable behavioral network science methods to organize information optimally for analytic effectiveness;
- Scalable cross-media anomaly detection and/or discovery methods to identify data and patterns resulting from distinct or novel causal processes;
- Methods for detecting and countering intentionally misleading information;
- Methods to rapidly identify, assess relevancy and reliability of, and/or exploit emerging or alternative sources of information or methods;
- Novel graph analytic techniques for representing, reasoning, and learning from massive or sparsely sampled heterogeneous data;
- Novel approaches to identify and assess persistent or shifting socio-cultural norms and/or effective methods to counter or influence attitudes, behavior or messaging;
- Autonomous agent, machine learning and/or physiological intelligence methods to gather latent or suppressed knowledge.

This announcement seeks research ideas for topics that are not addressed by emerging or ongoing IARPA programs or other published IARPA solicitations. It is primarily, but not solely, intended for early stage research that may lead to larger, focused programs through a separate BAA in the future. Offerors should demonstrate that their proposed effort has the potential to make revolutionary, rather than incremental, improvements to intelligence capabilities. Research that primarily results in evolutionary improvement to the existing state of practice is specifically excluded. **IARPA-BAA-15-02**

- **URL:**<https://www.fbo.gov/index?s=opportunity&mode=form&id=8824ae643fc086d3bad85ba254b727fb&tab=core&cvview=0>

## HEALTH, LIFE & EARTH SCIENCES

### Orthotics and Prosthetics Outcomes Research Program (OPORP) - Orthotics Outcomes Research Award

*U.S. Department of Defense (DOD) - Department of the Army - U.S. Army Medical Research and Materiel Command (USAMRMC) - Office of Congressionally Directed Medical Research Programs (CDMRP)*

**Due Date: Pre-Application 8/22/2016; Application 11/16/2016**

The FY16 OPORP OORA challenges the scientific community to address which orthotic devices, treatments, and technologies will generate the best patient outcomes. Outcomes research will further support evidence-based practice, allowing providers to optimize the care to Service members and Veterans with limb loss and/or limb impairment. It is expected that any research findings will also provide benefit to the general population. Applications involving multidisciplinary collaborations among academia, industry, the U.S. military Services, the U.S. Department of Veterans Affairs (VA), and other Federal Government agencies are highly encouraged. The OORA is intended to support research that evaluates the comparative effectiveness of orthotic clinical interventions and/or their associated rehabilitation interventions, using patient-centric outcomes for Service members and Veterans who have undergone limb impairment. The Orthotics and Prosthetics Outcomes Research Programmatic Panel identified the following five focus areas for FY16. To meet the intent of the award mechanism, applications must specifically address one or more of the FY16 OPORP Focus Areas listed here. Applications proposing research outside of the Focus Areas should not be submitted in response to this Program Announcement/Funding Opportunity.

- Lack of short- and long-term evidence for existing support and reintegration strategies following neuromusculoskeletal injury, and a need for new evidence-based support and reintegration strategies
- Limited current technologies, including prosthetics and orthotics, for the rehabilitation or replacement of function that optimize patient interaction, usability, and durability
- Limited ability to predict, prevent, and mitigate development of secondary health deficits following neuromusculoskeletal injury
- Limited understanding of the management of patient rehabilitation strategies throughout the rehabilitation process following neuromusculoskeletal injury
- Lack of validated metrics that effectively assess initial presentation, rehabilitation, and reintegration following neuromusculoskeletal injury

#### **W81XWH-16-OPORP-OORA**

- **URL:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=286017>

### **\$100,000 for Start a SUD Startup**

*National Institutes of Health (NIH) – National Institute on Drug Abuse (NIDA)*

**Due Date: 9/16/2016**

NIDA is excited to announce the first competition for biomedical scientists with the goal to support research ideas that can be fostered into a biotech startup. NIDA envisions that eventually any newly created startups will contribute to the pool of innovative small business companies that can successfully compete for NIDA's Small Business funding (SBIR/STTR Programs). We welcome all ideas related to substance use disorders (SUD). Each Challenge winner will receive \$10,000 for up to \$100,000 in total prizes to empower their research-based ideas and develop a minimal viable proof (MVP) of a product.

- URL: <https://www.challenge.gov/challenge/100000-for-start-a-sud-startup/>

### **Resource-Related Research Projects for Development of Animal Models and Related Materials (R24)**

*National Institutes of Health (NIH) - Office of Research Infrastructure Programs (ORIP)*

**Due Date: 9/25/2016, 1/25/2017, 5/25/2017 (standard NIH due dates apply)**

This FOA encourages grant applications aimed at developing, characterizing or improving animal models of human diseases; improving access to data and information about or generated from the use of animal models of human disease; or improving diagnosis and control of diseases of laboratory animals. The animal models and related materials to be developed must address the research interests of two or more of the categorical NIH Institutes and Centers (ICs). Applications to develop models that relate strictly to a specific disease or category of research will not be considered acceptable. Projects that predominantly address the research interests of one NIH Institute or Center but are peripherally related to the research interests of other Institutes and Centers will not be considered appropriate for this FOA. **PAR-16-369**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-16-369.html>

### **Research Infrastructure Development for Interdisciplinary Aging Studies (R21/R33)**

*National Institutes of Health (NIH)*

**Due Date: 10/16/2016, 2/16/2017, 6/16/2017 (standard NIH due dates apply)**

This FOA invites applications that propose to develop novel research infrastructure that will advance the science of aging in specific areas requiring interdisciplinary partnerships or collaborations. This FOA

will use the NIH Phased Innovation Award (R21/R33) mechanism to provide up to 2 years of R21 support for initial developmental activities, and up to 3 years of R33 support for expanded activities. Through this award, investigators will develop a sustainable research infrastructure to support projects that address key interdisciplinary aging research questions. **PAR-16-367**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-16-367.html>

### **Basic Biopsychosocial Mechanisms and Processes in the Management of Chronic Conditions (R21)**

*National Institutes of Health (NIH)*

**Due Date: Letters of Intent 11/6/2016; Applications 12/6/2016**

This FOA seeks to stimulate basic inquiry into the mechanisms that influence people within their larger social contexts to manage one or multiple conditions over the lifecourse. Long-term goals are to increase knowledge of the individual and group processes that inform thought and behaviors that reinforce health and optimal wellbeing to enhance overall human health, reduce illness and disability, and lengthen life. **PAR-16-095**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-16-095.html>

### **Division of Molecular and Cellular Biosciences: Investigator-Initiated Research Projects (MCB)**

*National Science Foundation (NSF)*

**Due Date: 11/15/2016**

The Division of Molecular and Cellular Biosciences (MCB) supports quantitative, predictive, and theory-driven fundamental research and related activities designed to promote understanding of complex living systems at the molecular, subcellular, and cellular levels. MCB is soliciting proposals for hypothesis-driven and discovery research and related activities in four core clusters:

- Molecular Biophysics
- Cellular Dynamics and Function
- Genetic Mechanisms
- Systems and Synthetic Biology

MCB gives high priority to research projects that use theory, methods, and technologies from physical sciences, mathematics, computational sciences, and engineering to address major biological questions. Research supported by MCB uses a range of experimental approaches--including *in vivo*, *in vitro* and *in silico* strategies--and a broad spectrum of model and non-model organisms, especially microbes and

plants. Typical research supported by MCB integrates theory and experimentation. Projects that address the emerging areas of multi-scale integration, molecular and cellular evolution, quantitative prediction of phenome from genomic information, and development of methods and resources are particularly welcome. Highest funding priority is given to applications that have outstanding intellectual merit and strong broader impacts. Proposals that include research motivated by relevance to human health or address the molecular basis of human diseases and treatment are not appropriate for the Division and will be returned without review. **NSF 13-510**

- URL: <http://www.nsf.gov/pubs/2013/nsf13510/nsf13510.htm>

## EarthScope

*National Science Foundation (NSF)*

**Due Date: 11/15/2016**

EarthScope is an Earth science program to explore the 4-dimensional structure of the North American continent. The EarthScope Program provides a framework for broad, integrated studies across the Earth sciences, including research on fault properties and the earthquake process, strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep Earth. In addition, EarthScope offers a centralized forum for Earth science education at all levels and an excellent opportunity to develop cyberinfrastructure to integrate, distribute, and analyze diverse data sets. The EarthScope Facility, comprised of the Plate Boundary Observatory (PBO), the San Andreas Fault Observatory at Depth (SAFOD), and USArray, greatly expanded the observational capabilities of the Earth sciences. In FY 2014, the Geodesy Advancing Geosciences and EarthScope (GAGE) facility was created through the integration of PBO and prior "core" geodetic facilities supported by EAR. At the same time, the Seismological Facilities for the Advancement of Geosciences and EarthScope (SAGE) was created through the integration of USArray and prior "core" seismic facilities supported by EAR. UNAVCO (<http://www.unavco.org>) manages GAGE, IRIS (<http://www.iris.edu>) manages SAGE, and Texas A&M University manages SAFOD physical samples and data derived from them. This Solicitation calls for single or collaborative proposals to conduct scientific research and/or education and outreach activities within North America that:

1. Make use of capabilities provided through, and/or data and/or models derived from, GAGE, SAGE, and/or SAFOD and
2. Further the scientific and educational goals of EarthScope, as described in the 2010 EarthScope Science Plan and/or EarthScope Education and Outreach Implementation Plan. **NSF 15-578**

- URL: <http://www.nsf.gov/pubs/2015/nsf15578/nsf15578.htm>

## NEW FACULTY / INVESTIGATOR

### **Patient Care Program**

*Moore Foundation, Gordon and Betty (GBMF)*

**Due Date: Letters of Intent 8/1/2016; Full Proposals 9/30/2016**

The foundation is engaging the broader health care community to build capacity in the field of patient and family engagement. The foundation will consider projects at every level of care - from community-based safety, chronic disease management and preference sensitive decision-making to approaches that may be specific to serious illness. Interests also extend beyond specific discrete interventions to policies and other scalable approaches that encourage and enable the engagement of patients, and their loved ones, in their health care.

- URL: <https://www.moore.org/initiative-additional-info?initiativeId=special-projects-in-patient-care>

### **Beckman Young Investigators (BYI) Program**

*Beckman Foundation, Arnold and Mabel*

**Due Date: 8/15/2016**

The Program is intended to provide research support to the most promising young faculty members in the early stages of academic careers in the chemical and life sciences particularly to foster the invention of methods, instruments and materials that will open up new avenues of research in science. The Program provides research support to the most promising young faculty members in the early stages of their academic careers in the chemical and life sciences, particularly to foster the invention of methods, instruments and materials that will open up new avenues of research in science.

- URL: <http://www.beckman-foundation.org/programs/program-summaries-deadlines>

### **Simons Collaboration on the Origins of Life Postdoctoral Fellowships**

*Simons Foundation*

**Due Date: Stage 1 Applications 9/9/2016; Stage 2 Applications 12/1/2016**

The origin of life is among the great unsolved scientific problems of our age. To advance our knowledge of the processes that led to the emergence of life, the foundation established the Simons Collaboration on the Origins of Life (SCOL). The collaboration supports creative, innovative research on topics such as the astrophysical and planetary context of the origins of life, the development of prebiotic chemistry,

the assembly of the first cells, the advent of Darwinian evolution and the earliest signs of life on the young Earth. The collaboration is now inviting applications for postdoctoral fellowships to support independent research on topics related to the origins of life at one or more laboratories or research institutions in any country. The collaboration seeks to engage the ideas and creativity of researchers around the world by providing an array of opportunities for postdoctoral fellows to interact with colleagues from different disciplines and programs both online and in person, including webinars, workshops and annual symposia. As fellows are expected to participate fully in all SCOL events, these opportunities are designed to not only strengthen the collaboration but also provide the most fruitful mechanism for bringing a growing origins-of-life community together. Applications from all origins-related disciplines are encouraged.

- URL: [https://www.simonsfoundation.org/funding/funding-opportunities/life-sciences/simons-collaboration-on-the-origins-of-life-2017-postdoctoral-fellowship/?utm\\_source=Life+Sciences+Announcements&utm\\_campaign](https://www.simonsfoundation.org/funding/funding-opportunities/life-sciences/simons-collaboration-on-the-origins-of-life-2017-postdoctoral-fellowship/?utm_source=Life+Sciences+Announcements&utm_campaign)

### **Princeton Arts Fellowships**

*Princeton University - Lewis Center for the Arts*

**Due Date: 9/19/2016**

These fellowships, funded in part by The Andrew W. Mellon Foundation, will be awarded to artists whose achievements have been recognized as demonstrating extraordinary promise in any area of artistic practice and teaching. Formal teaching is expected. The normal work assignment will be to teach one course at Princeton University each semester subject to approval by the Dean of the Faculty, but fellows may be asked to take on an artistic assignment in lieu of a class, such as directing a play or creating a dance with students. Although the teaching load is light, the Center's expectation is that Fellows will be full and active members of the community, committed to frequent and engaged interactions with students during the academic year. Princeton Arts Fellows can do one-off events, such as giving lectures, readings, or talks, performing in a show, presenting a film screening, or teaching master classes or workshops. Princeton Arts Fellows cannot teach a semester-long class at another institution while holding this appointment at Princeton. Fellowships are not intended to fund work leading to an advanced degree.

- URL: <http://arts.princeton.edu/fellowships/princeton-arts-fellowship/>

### **Faculty/Post-Doctoral Grant Program (Fahs-Beck Fellows)**

*New York Community Trust (NYCT) - Fahs-Beck Fund for Research and Experimentation*

**Due Date: 11/1/2016, 4/1/2017**

Grants are available to help support the research of faculty members or postdoctoral researchers affiliated with non-profit human service organizations in the United States and Canada. Areas of interest to the Fund are: studies to develop, refine, evaluate, or disseminate innovative interventions designed to prevent or ameliorate major social, psychological, behavioral or public health problems affecting children, adults, couples, families, or communities, or studies that have the potential for adding significantly to knowledge about such problems. The research for which funding is requested must focus on the United States or Canada or on a comparison between the United States or Canada and one or more other countries.

- URL: [http://www.fahsbeckfund.org/grant\\_programs.html](http://www.fahsbeckfund.org/grant_programs.html)

### **Research Associateship Programs (RAP)**

*The National Academies*

**Due Dates: 11/1/2016**

The National Research Council has conducted the Research Associateship Programs in cooperation with sponsoring federal laboratories and other research organizations approved for participation since 1954. Through a national competition, the NRC recommends and makes Research Associateship awards to outstanding scientists and engineers, at the postdoctoral and senior levels, for tenure as guest researchers at the participating laboratories. A limited number of opportunities are available for support of graduate students in select fields. The objectives of the Research Associateship Programs are (1) to provide postdoctoral and senior scientists and engineers of unusual promise and ability opportunities for research on problems, largely of their own choice that are compatible with the interests of the sponsoring laboratories and (2) to, thereby, contribute to the overall efforts of the laboratories. For recent doctoral graduates, the Research Associateship Programs provide an opportunity for concentrated research in association with selected members of the permanent professional laboratory staff. For established scientists and engineers, the Research Associateship Programs afford an opportunity for research without the interruptions and distracting assignments of permanent career positions.

- URL: <http://sites.nationalacademies.org/pqa/rap/>



## SOCIAL & BEHAVIORAL SCIENCES

### **Abe Fellowship for Journalists (AFJ)**

*Social Science Research Council (SSRC) - USA*

**Due Date: 9/15/2016**

This fellowship is designed to encourage in-depth coverage of topics of pressing concern to the United States and Japan through individual short-term policy-related projects. Applicants are invited to submit proposals on one of the four themes below.

#### **1) Threats to Personal, Societal, and International Security**

Especially welcome topics include food, water, and energy insecurity; pandemics; climate change; disaster preparedness, prevention, and recovery; and conflict, terrorism, and cyber security.

#### **2) Growth and Sustainable Development**

Especially welcome topics include global financial stability, trade imbalances and agreements, adjustment to globalization, climate change and adaptation, and poverty and inequality.

#### **3) Social, Scientific, and Cultural Trends and Transformations**

Especially welcome topics include aging and other demographic change, benefits and dangers of reproductive genetics, gender and social exclusion, expansion of STEM education among women and underrepresented populations, migration, rural depopulation and urbanization, impacts of automation on jobs, poverty and inequality, and community resilience.

#### **4) Governance, Empowerment, and Participation**

Especially welcome topics include challenges to democratic institutions, participatory governance, human rights, the changing role of NGO/NPOs, the rise of new media, and government roles in fostering innovation.

The Program defines policy-relevant research as the study of existing public policies for the purpose of (a) deepening understanding of those policies and their consequences and (b) formulating more effective policies. Policy relevance also pertains to the public dialogue on contemporary social issues. Proposals must be nonpartisan. Fellows are expected to produce an analytical article or feature story that will inform public debate or a policy community. The Fellow and his/her news organization will decide when to run the article.

- URL: <http://www.ssrc.org/fellowships/view/abe-fellowship-for-journalists/>

### **Advancing Mental Health Research Grant**

*American Group Psychotherapy Associations (AGPA) - Group Foundation for Advancing Mental Health*

**Due Date: 11/1/2016**

Funds are available to support research that demonstrates the effectiveness of group psychotherapy. The foundation is seeking research-focused, rather than program-focused, applications. Should funding of the project be approved, acknowledgment of the Group Foundation's support is to be included in all publications derived from the award. Additionally, grant recipients are encouraged to submit reports to the International Journal of Group Psychotherapy for consideration of publication.

- URL: <http://www.agpa.org/Foundation/research-grants>

### **Biological Anthropology**

*National Science Foundation (NSF)*

**Due Date: 11/16/2016, 7/19/2017**

This program supports basic research in areas related to human evolution and contemporary human biological variation. Research areas supported by the program include, but are not limited to, human genetic variation, human adaptation, human osteology and bone biology, human and nonhuman primate paleontology, functional anatomy, and primate socioecology. Grants supported in these areas are united by an underlying evolutionary framework, and often a consideration of adaptation as a central theoretical theme. Many proposals also have a biocultural orientation. The program frequently serves as a bridge within NSF between the social and behavioral sciences and the natural and physical sciences, and proposals are commonly jointly reviewed and funded with other programs. **PD 98-1392**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5407](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5407)

## STUDENTS

### **Grants-in-Aid of Research (GIAR) Program**

*Sigma Xi, The Scientific Research Society*

**Due Date: 10/1/2016, 3/15/2017**

The GIAR program has provided undergraduate and graduate students with valuable educational experiences since 1922. By encouraging close working relationships between students and mentors, the program promotes scientific excellence and achievement through hands-on learning. The program awards grants to students from all areas of the sciences and engineering. Research grants may be used to support scientific investigation in any field. Designated funds from the National Academy of Sciences allow for grants for astronomy research and for vision related research.

- URL: <https://www.sigmaksi.org/programs/grants-in-aid>

### **AAHD Frederick J. Krause Scholarship on Health and Disability**

*American Association on Health and Disability (AAHD)*

**Due Date: 11/15/2016**

The scholarship is awarded annually to a deserving student with a disability who is pursuing undergraduate/graduate studies (must be at least enrolled as a Junior in college) in an accredited university who is pursuing studies related to the health and disability, to include, but not limited to public health, health promotion, disability studies, disability research, rehabilitation engineering, audiology, disability policy, special education and majors that will impact quality of life of persons with disabilities.

- URL: <http://www.aahd.us/initiatives/scholarship-program/>

### **Amelia Earhart Fellowship Awards**

*Zonta International*

**Due Date: 11/15/2016**

Today, women remain a distinct minority in science and engineering, representing approximately 10 percent of professionals in these fields. The Amelia Earhart Fellowship program helps talented women, pursuing advanced studies in the typically male-dominated fields of aerospace-related sciences and engineering, achieve their educational goals. The Fellowship enables these women to invest in state-



of-the-art computers to conduct their research, purchase expensive books and resource materials, and participate in specialized studies around the globe. Amelia Earhart Fellows have gone on to become astronauts, aerospace engineers, astronomers, professors, geologists, business owners, heads of companies, even Secretary of the US Air Force.

- URL: <http://www.zonta.org/Global-Impact/Education/Amelia-Earhart-Fellowship>