

Funding Bulletin March 10th, 2017 (Vol. 4, No. 11)

Funding Information

To receive funding information, please contact <u>funding@wichita.edu</u>.

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

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: <u>http://pivot.cos.com/home/index</u> or you may contact <u>funding@wichita.edu</u> to have a custom search ran.

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

WORKSHOPS INTERNAL OPPORTUNITIES NOTICES LIMITED SUBMISSIONS GENERAL ARTS & HUMANITIES

EDUCATION ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES HEALTH, LIFE & EARTH SCIENCES NEW FACULTY / INVESTIGATOR SOCIAL & BEHAVIORAL SCIENCES STUDENTS

How to Apply

Proposal development requests should be sent to <u>proposals@wichita.edu</u>. 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: <u>http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchworkshops/</u>

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
IRB Open Lab	Mar. 13	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. <i>This is a</i> <i>come and go lab with no registration required.</i>
Pivot Open Lab	Mar. 23	2:30 – 4:00 p.m.	409E Jardine	PIVOT open labs are to assist faculty and staff who are interested in identifying external funding sources. <i>This is a come and go lab with no registration required.</i>
IP Disclosure Form Open Lab	Apr. 4	2:00 – 4:00 p.m.	Devlin Hall, 2 nd Floor	Come with your questions and get assistance completing an IP disclosure form for your ideas, technology, curriculum, research and more. <i>This is a come and go</i> <i>lab with no registration required.</i>
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. <i>This is a</i> <i>come and go lab with no registration required.</i>
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. <i>This is a come and go lab with no registration required.</i>

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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 appreciate! 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/



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 <u>proposals@wichita.edu</u>, 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 <u>Limited Submission Opportunities</u> webpage for additional opportunities that may not have made it into the bulletin. There are currently *six* open limited submission competitions:

(1) New Work Project Grants Harpo Foundation Due Date: Internal NOI 3/17/2017; Letter of Inquiry 4/14/2017

The Foundation's grant program awards 7-10 grants annually. Grants are made directly to artists to support their development and to non-profit organizations in support of new work by artists. *Presenting venues and hosting organizations may only submit one application a year. Fiscal sponsors may submit proposals on behalf of more than one artist a year.*

- URL: <u>http://www.harpofoundation.org/apply/new-work-project-grants/</u>

(2) NEA 2017 Careers in the Arts Toolkit: Increasing Employment Opportunities in the Arts for People with Disabilities

National Foundation for the Arts and the Humanities 0 National Endowment for the Arts (NEA) **Due Date: Internal NOI 3/17/2017; Proposal 4/18/2017**

The purpose of this Program Solicitation is to select an organization to develop a webbased toolkit designed to provide resources for job seekers and employers to help reduce barriers to careers in the arts for people with disabilities. These resources will assist artists and arts workers with disabilities with developing careers in the arts, as well as build capacity within arts organizations and the disability sector to better serve people with disabilities who seek employment. The toolkit will be housed on the National Endowment for the Arts' website. **NEAPS1702**

Through this program solicitation, the National Endowment for the Arts will select an organization ("Cooperator") to develop a web-based toolkit and undertake related activities. In brief, the Cooperator will:

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1. Develop a toolkit of online resources specific to careers in the arts for people with disabilities. The toolkit's primary audience will include: individual artists and arts workers with disabilities; arts organizations; K-12 schools, universities, and community arts education programs; and disability employment programs/agencies.

2. Coordinate a webinar series featuring disability employment experts, arts employment experts, artists with disabilities, etc., addressing relevant topics.

3. Conduct a field scan and develop a public directory of programs that provide education, job training, career services, and job opportunities in the arts for workers with disabilities.

4. Assist in the development and implementation of a comprehensive communications and promotion strategy for the toolkit.

An organization may submit only one proposal under this program solicitation.

- URL: <u>https://www.arts.gov/program-solicitation-careers-arts-toolkit-increasing-employment-opportunities-arts-people</u>

(3) 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: <u>https://www.nsf.gov/pubs/2017/nsf17540/nsf17540.htm</u>

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

- URL: <u>http://www.dreyfus.org/awards/henry_dryfus_teacher_award.shtml</u>

(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: <u>https://grants.nih.gov/grants/guide/pa-files/PAR-16-108.html</u>



(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



GENERAL

Acquisition Research Program

United States Department of Defense (DOD) - Department of the Navy (U.S. Navy) - Naval Supply Systems Command - Naval Postgraduate School (NPS) Due Date: White Papers 6/1/2017; Full Proposals 8/1/2017

The Acquisition Research Program (ARP) at the Naval Postgraduate School is interested in stimulating and supporting scholarly research in academic disciplines that bear on public procurement policy and management. These include economics, finance, financial management, information systems, organization theory, operations management, human resources management, risk management, and marketing, as well as the traditional public procurement areas such as contracting, program/project management, logistics, test and evaluation and systems engineering management. The ARP primarily supports scholarly research through assistance vehicles that will benefit the general public and/or private sector to a larger extent than any direct benefits that may be gained by the Government. Studies of government processes, systems, or policies should also expand the body of knowledge and theory of processes, systems, or policies outside the government. The ARP in this FOA is interested only in proposals that will provide unclassified and non- proprietary findings suitable for publication in open scholarly literature. Offerors bear prime responsibility for the design, management, direction and conduct of research. Researchers should exercise judgment and original thought toward attaining the goals within broad parameters of the research areas proposed and the resources provided. Offerors are encouraged to be creative in the selection of the technical and management processes and approaches and consider the greatest and broadest impact possible. N00244-17-S-FO03

- URL: <u>https://www.grants.gov/web/grants/view-opportunity.html?oppId=292206</u>

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ARTS & HUMANITIES

Open Call Artist-in-Residence Opportunities *Bemis Center for Contemporary Arts* **Due Date: 4/1/2017**

Founded in 1981, by artists for artists, the Bemis Center for Contemporary Arts provides a diversity of residency opportunities to work across conceptual, material, performative, and social practices. Bemis facilitates the development of material and intellectual interests, and maintains an alumni program that further extends Bemis support. The Center offers artists-in-residence unmatched critical and technical guidance, access to assistants and interns, an established network of resources, and opportunities to engage in dialogue with Bemis Center communities.

- URL: <u>http://www.bemiscenter.org/residency/current_opportunities.html</u>

Arts Education Statewide Data Infrastructure Project

National Foundation for the Arts and the Humanities - National Endowment for the Arts (NEA) **Due Date: 4/12/2017**

Through the Statewide Data Infrastructure Project for Arts Education, the National Endowment for the Arts will support state-level extraction, analysis, and reporting of K-12 arts education data that is already being collected by states. Easy access to timely, reliable data about arts education is a prerequisite for knowing how much and to whom arts education is being delivered in schools. These data can help decision-makers determine whether they are meeting national and state-approved policies and content standards regarding arts education. In addition, these data can help state departments of education, state arts agencies, funders, and others to direct resources to increase the likelihood that all students will benefit from an education that includes the arts. **NEAPS1701**

- URL: <u>https://www.arts.gov/program-solicitation-statewide-data-infrastructure-project-arts-education</u>

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Preservation and Access Education and Training Grants

National Endowment for the Humanities (NEH) Due Date: 5/2/2017

The Preservation and Access Education and Training program is central to NEH's efforts to preserve and establish access to cultural heritage collections. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture collections, electronic records, and digital objects. The challenge of preserving and making accessible such large and diverse holdings is enormous, and the need for knowledgeable staff is significant and ongoing.

Preservation and Access Education and Training grants are awarded to organizations that offer national or regional (multistate) education and training programs. Grants aim to help the staff of cultural institutions, large and small, obtain the knowledge and skills needed to serve as effective stewards of humanities collections. Grants also support educational programs that prepare the next generation of conservators and preservation professionals, as well as projects that introduce the staff of cultural institutions to new information and advances in preservation and access practices. **20170502-PE**

Preservation and Access Education and Training grants support activities such as these:

1. preservation field services that provide a wide range of education and training programs (for example, surveys, workshops, consultations, reference services, and preparation of informational materials about the care of humanities collections), especially for staff at smaller libraries, museums, archives, and other cultural organizations;

2. master's degree programs in preservation and conservation; and

3. workshops that address preservation and access topics of national significance and broad impact, such as:

- preventive conservation and sustainable preservation strategies;

- the preservation of and provision of access to recorded sound and moving image collections;

- digital preservation;

- collections care training for staff members who are responsible for the day-to-day care and management of humanities collections;

- disaster preparedness, response, and recovery; and

- best practices for enhancing and integrating access to collections in libraries, archives, and museums.

- URL: <u>https://www.neh.gov/grants/preservation/preservation-and-access-education-and-training</u>

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Digital Humanities Advancement Grants (DHAG)

National Endowment for the Humanities (NEH) Due Date: 6/6/2017

Digital Humanities Advancement Grants (DHAG) support digital projects throughout their lifecycles, from early start-up phases through implementation and long-term sustainability. Experimentation, reuse, and extensibility are hallmarks of this grant category, leading to innovative work that can scale to enhance research, teaching, and public programming in the humanities. This program combines the former Digital Humanities Start-Up Grants and Digital Humanities Implementation Grants programs; the combined program is offered twice per year. Proposals are welcome for digital initiatives in any area of the humanities. Through a special partnership, the Institute of Museum and Library Services (IMLS) anticipates providing additional funding to this program to encourage innovative collaborations between museum or library professionals and humanities professionals to advance preservation of, access to, use of, and engagement with digital collections and services. Through this partnership, IMLS and NEH may jointly fund some DHAG projects that involve collaborations with museums and/or libraries.

Digital Humanities Advancement Grants may involve:

- creating or enhancing experimental, computationally-based methods or techniques that contribute to the humanities;

- pursuing scholarship that examines the history, criticism, and philosophy of digital culture and its impact on society, or explores the philosophical or practical implications and impact of digital humanities in specific fields or disciplines; or

- revitalizing and/or recovering existing digital projects that promise to contribute substantively to scholarship, teaching, or public knowledge of the humanities.

Grants are available for early-stage planning, development, and implementation. Applicants must state in their narrative which funding level they seek. Applicants should carefully choose the funding level appropriate to the needs of the proposed project. See beneath the Award Information heading below for more details.

- URL: <u>https://www.neh.gov/grants/odh/digital-humanities-advancement-grants</u>

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EDUCATION

Robert Noyce Teacher Scholarship Program

National Science Foundation (NSF) Due Date: 8/29/2017

The National Science Foundation Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective K-12 STEM teachers, especially in high-need local educational agencies.

The program offers four tracks:

Track 1: The Robert Noyce Teacher Scholarships and Stipends Track

Track 2: The NSF Teaching Fellowships Track

Track 3: The NSF Master Teaching Fellowships Track

Track 4: Noyce Research Track.

In addition, Capacity Building proposals are accepted from proposers intending to develop a future Track 1, 2, or 3 proposal. **NSF 17-541**

URL: <u>https://www.nsf.gov/pubs/2017/nsf17541/nsf17541.htm</u>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Quantum Computing Research in the New and Emerging Qubits & Cross-Quantum Systems Science & Technology

U.S. Department of Defense (DoD) – Dept. of the Army – Materiel Command **Due Date: Optional White Papers 3/30/2017; Full Proposals 6/6/2017**

Notice seeking applications for research on new and emerging qubit science and technology, focusing on qubit systems that explore new operating regimes and environments, fundamentally new methods of fabrication, and new methods of design, control, or operation. Funds also support cross quantum technology systems, which focuses on combining existing disparate quantum technologies to provide functionality that significantly improves the performance of, or adds capability to, any of the individual qubit types. **W911NF-17-S-0001**

- URL: http://www.arl.army.mil/www/default.cfm?page=8%20



Mathematics Travel Grants Association for Women in Mathematics (AWM) Due Date: 5/1/2017, 10/1/2017, 2/1/2018

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

- URL:<u>https://sites.google.com/site/awmmath/programs/travel-grants/mathematics-travel-grants</u>

WCC Rising Star Award

American Chemical Society (ACS) - Women Chemists Committee (WCC) **Due Date: 6/15/2017**

The award recognizes outstanding women scientists approaching mid-level careers who have demonstrated outstanding promise for contributions to their respective fields.

- URL: <u>https://www.acs.org/content/acs/en/funding-and-awards/awards/other/diversity/wcc-</u> <u>rising-star-award.html</u>

Postdoctoral Program in Environmental Chemistry

Camille and Henry Dreyfus Foundation, Inc. **Due Date: 8/1/2017**

The Foundation seeks to further the development of scientific leadership in the field of environmental chemistry with a postdoctoral fellowship program. This program provides a principal investigator with financial support to appoint a Postdoctoral Fellow in environmental chemistry. Applications most likely to be of interest should describe innovative fundamental research in the chemical sciences or engineering related to the environment. The importance of the research should be explained. Examples

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include but are not limited to the chemistry associated with: the climate, the atmosphere, aquatic or marine settings, toxicology, soil or groundwater. Also of interest are chemistry-related energy research (renewable sources, sequestration, etc.), and new or green approaches to chemical synthesis and processing, both with a clearly stated relation to the environment. Recommendations for awards are based on several factors: assessment of the proposed research, the arrangements for the interdisciplinary educational broadening of the Fellow, and an assessment of the ability to both attract the best young Ph.D. candidates and subsequently place them in high level independent starting positions. Publications and presentations describing work supported by the award should acknowledge the Camille and Henry Dreyfus Postdoctoral Program in Environmental Chemistry. The faculty mentor is designated a Camille and Henry Dreyfus Environmental Chemistry Mentor. The postdoctoral scientist is designated a Camille and Henry Dreyfus Environmental Chemistry Fellow.

- URL: <u>http://www.dreyfus.org/awards/postdoctoral_program.shtml</u>

Mind, Machine and Motor Nexus (M3X)

National Science Foundation (NSF)
Due Date: 9/15/2017

The Mind, Machine and Motor Nexus 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. 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. PD-17-058Y

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



Communications, Circuits, and Sensing-Systems (CCSS) National Science Foundation (NSF) **Due Date: 11/1/2017**

The CCSS program is intended to spur visionary systems-oriented activities in collaborative, multidisciplinary, and integrative research. CCSS supports systems research in hardware, signal processing techniques, and architectures to enable the next generation of cyber-physical systems (CPS) that leverage computation, communication, and algorithms integrated with physical domains. CCSS offers new challenges at all levels of systems integration to address future societal needs. CCSS supports innovative research and integrated educational activities in micro- and nano-systems, communications systems, and cyber-physical systems. The goal is to design, develop, and implement new complex and hybrid systems at all scales, including nano, micro, and macro, that lead to innovative engineering principles and solutions for a variety of application domains including, but not limited to, healthcare, medicine, environmental monitoring, communications, disaster mitigation, homeland security, transportation, manufacturing, energy, and smart buildings. CCSS also supports integration technologies at both intra-and inter-chip levels, new and advanced radio frequency (RF), millimeter wave and optical wireless and hybrid communications systems architectures, and sensing and imaging at terahertz (THz) frequencies. Proposals for the CCSS program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. ECCS will consider supporting a limited number of small team proposals of three or more Investigators from different disciplines and/or universities. PD 16-7564

- URL:

<u>https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505248&WT.mc_id=USNSF_39&WT.mc_ev=click</u>

Electronics, Photonics and Magnetic Devices (EPMD) *National Science Foundation (NSF)* **Due Date: 11/1/2017**

The **Electronics, Photonics, and Magnetic Devices (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 *Electronics & Magnetic* Devices component of EPMD enables discovery and innovation advancing the frontiers of nanoelectronics, spin electronics, molecular and organic electronics, bioelectronics, biomagnetics, non-silicon electronics, and flexible electronics. It also addresses advances in energy-efficient electronics, sensors, low-noise, power electronics, and mixed signal devices. The *Optic & Photonic* Devices component of EPMD supports research and engineering

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efforts leading to significant advances in novel optical sources and photodetectors, optical communication devices, photonic integrated circuits, single-photon quantum devices, and nanophotonics. It also addresses novel optical imaging and sensing applications and solar cell photovoltaics. EPMD further supports 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 also extends to novel ideas for next generation 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. Proposals for the EPMD program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. ECCS will consider supporting a limited number of small team proposals of three or more investigators from different disciplines and/or universities. PD 16-1517

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505250

Energy, Power, Control and Networks (EPCN) National Science Foundation (NSF) Due Date: 11/17/2017

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 programing, 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,

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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**

- URL: <u>https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505249</u>

Biological and Environmental Interactions of Nanoscale Materials

National Science Foundation (NSF) Due Date: Continuous

The goal of the Biological and Environmental Interactions of Nanoscale Materials program is to support research to advance fundamental and quantitative understanding of the interactions of biological and environmental media with nanomaterials and nanosystems. Materials of interest include one- to three-dimensional nanostructures, heterogeneous nano-bio hybrid assemblies, and other nanoparticles. Such nanomaterials and systems frequently exhibit novel physical, chemical and biological behavior in living systems and environmental matrices as compared to the bulk scale. This program supports research that explores the interaction of nanomaterials in biological and environmental media. **Research areas supported by the program include:**

- Characterization of interactions at the interfaces between nanomaterials and nanosystems with surrounding biological and environmental media, including both simple nanoparticles and complex and/or heterogeneous composites;

- Development of predictive tools based on the fundamental behavior of nanostructures within biological and ecological matrices to advance cost-effective and environmentally benign processing and engineering solutions over full life material cycles;

- Examining the transport, interaction, and impact of nanostructured materials and nanosystems on biological systems;

- Simulations of nanoparticle behavior at interfaces, in conjunction with experimental comparisons, and new theories and simulation approaches for determining the transport and transformation of nanoparticles in various media.

Research in these areas will enable the design of nanostructured materials and heterogeneous nanosystems with optimal chemical, electronic, photonic, biological, and mechanical properties for their safe handling, management, and utilization. **PD 17-1179**

- URL: <u>https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030</u>

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HEALTH, LIFE & EARTH SCIENCES

Grants-in-Aid Whitehall Foundation, Inc. Due Date: FALL SESSION: Letters of Intent 4/15/2017; Applications 9/1/2017 SPRING SESSION: Letters of Intent 10/1/2017; Applications 2/15/2018

The Grants-in-Aid program is designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they have not yet become firmly established. Grantsin-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant's continued productivity. The foundation, through its program of grants and grants-in-aid, assists scholarly research in the life sciences. It is the foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal Agencies or other foundations with specialized missions. In order to respond to the changing environment, the Whitehall Foundation periodically reassesses the need for financial support by the various fields of biological research. The foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior. The foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

- URL: <u>http://www.whitehall.org/grants/</u>

Research Grants

Whitehall Foundation, Inc. Due Date: FALL SESSION: Letters of Intent 4/15/2017; Applications 9/1/2017 SPRING SESSION: Letters of Intent 10/1/2017; Applications 2/15/2018

Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as on the competence of the applicant. The Whitehall Foundation, through its program of grants and grants-in-aid, assists scholarly research in the life sciences. It is the foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal Agencies or other foundations with specialized missions. The foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to



better understand behavioral output or brain mechanisms of behavior. The foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

- URL: <u>http://www.whitehall.org/grants/</u>

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 Date: 5/24/2017 (Optional LOIs due 30 days before the standard 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: <u>https://grants.nih.gov/grants/guide/pa-files/PAR-17-168.html</u>

NICHD Research Education Programs (R25)

National Institutes of Health (NIH) - Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Due Date: 5/25/2017 (Optional LOIs due 30 days before the standard due date)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this 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

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educational activities with a primary focus on Courses for Skills Development, which are encouraged to include hands-on research experiences. This FOA encourages applications to develop and conduct short-term research education programs to improve the knowledge and research skills of biomedical and behavioral scientists conducting research in areas relevant to the mission of NICHD, including reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health and well-being of newborns, infants, children, adults, families, and populations. **PAR-17-183**

- URL: <u>https://grants.nih.gov/grants/guide/pa-files/PAR-17-183.html</u>

Public Policy Effects on Alcohol-, Marijuana-, and Other Substance-Related Behaviors and Outcomes (R01)

National Institutes of Health (NIH) - National Institute on Alcohol Abuse and Alcoholism (NIAAA) Due Date: See below for specific mechanism - standard NIH due dates apply

This Funding Opportunity Announcement (FOA) encourages applications to conduct research on the effects of public policies on health-related behaviors and outcomes associated with alcohol, marijuana, and other substances. The purpose of the FOA is to advance understanding of how public policy may serve as a tool for improving public health and welfare through its effects on behaviors and outcomes pertaining to alcohol and other drugs. This FOA is intended to support innovative research to examine policy effects that have the potential to lead to meaningful changes in public health. Research projects that may be supported by this FOA include, but are not necessarily limited to: causal analyses of the effects of one or multiple public policies; evaluations of the effectiveness of specific public policies as tools for improving public health through their effects on alcohol-, marijuana-, and other substance-related behaviors and outcomes; and research to advance methods and measurement used in studying relationships between public policies and alcohol-, marijuana-, and other substance-related behaviors and outcomes.

R01 (PA-17-135): Due Dates: 6/5/2017, 10/5/2017, 2/5/2018

- URL: <u>https://grants.nih.gov/grants/guide/pa-files/PA-17-135.html</u>

R03 (PA-17-134): Due Dates: 6/16/2017, 10/16/2017, 2/16/2018

- URL: https://grants.nih.gov/grants/guide/pa-files/PA-17-134.html

R21 (PA-17-132): Due Dates: 6/16/2017, 10/16/2017, 2/16/2018

- URL: <u>https://grants.nih.gov/grants/guide/pa-files/PA-17-132.html</u>

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Geophysics (PH) National Science Foundation (NSF) **Due Date: 6/9/2017**

The Geophysics Program supports basic research in the physics of the solid earth to explore its composition, structure, and processes from the Earth's surface to it's deepest interior. Laboratory, field, theoretical, and computational studies are supported. Topics include seismicity, seismic wave propagation, and the nature and occurrence of geophysical hazards; the Earth's magnetic, gravity, and electrical fields; the Earth's thermal structure; and geodynamics. Supported research also includes geophysical studies of active deformation, including geodesy, and theoretical and experimental studies of the properties and behavior of Earth materials.**NSF 16-598**

- URL: https://www.nsf.gov/pubs/2016/nsf16598/nsf16598.htm

Geoinformatics (GI) National Science Foundation (NSF) Due Date: 7/1/2017

EAR will consider proposals for the development of cyberinfrastructure for the geosciences (Geoinformatics). EAR seeks the development and implementation of enabling information technology with impacts that extend beyond an individual investigator or small group of investigators and that facilitates the next generation of geosciences research. Proposals to this solicitation may seek support for community-driven development and implementation of databases; tools for data integration, interoperability, and visualization; software development and code hardening; and data-intensive/new computing methodologies that support the enhancement of geosciences research and education activities. The efforts supported by this solicitation do not overlap with, but are complementary to, EarthCube, a partnership between the Geosciences Directorate (GEO) and the Office of Cyberinfrasrtructure (OCI) to build an integrated geosciences-wide cyberinfrastructure. The goal of EarthCube is to transform the conduct of research in the geosciences by supporting community-created cyberinfrastructure that integrates knowledge management across the geosciences. The Geoinformatics solicitation will support efforts to create the underlying knowledge base and utilities that will be integrated, over time, through EarthCube. Projects submitted to the Geoinformatics solicitation should be proposed using modern software techniques and standards that facilitate eventual integration into a geoscience-wide knowledge system. NSF 11-581

- URL: <u>https://www.nsf.gov/pubs/2011/nsf11581/nsf11581.htm</u>

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Damon Runyon-Rachleff Innovation Award (Innovation Award)

Damon Runyon Cancer Research Foundation
Due Date: 7/6/2017

The Damon Runyon-Rachleff Innovation Award is designed to provide support for the next generation of exceptionally creative thinkers with "high-risk/high-reward" ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis or treatment of cancer. The Innovation Award is specifically designed to provide funding to extraordinary early career researchers who have an innovative new idea but lack sufficient preliminary data to obtain traditional funding. It is not designed to fund incremental advances. The research supported by the award must be novel, exceptionally creative and, if successful, have the strong potential for high impact in the cancer field. Awards are made to institutions for support of the Damon Runyon-Rachleff Innovation Investigators. All awards are approved by the Board of Directors of the Damon Runyon Cancer Research Foundation acting upon the recommendation of the Innovation Award Committee.

Applications will be evaluated based on the following:

- The applicant's capacity to conduct bold, exceptionally creative research.
- The novelty and creativity of the proposed research. Incremental research will not be funded.
- The potential of the proposed research to lead to advances that will significantly impact the prevention, diagnosis, treatment or basic understanding of cancer.
- The applicant's lack of resources to pursue the proposed research.

Basic and translational/clinical projects will be considered. Applications will be accepted from all scientific disciplines provided that the proposed research meets the selection criteria.

- URL: <u>https://www.damonrunyon.org/for-scientists/application-guidelines/innovation</u>

Neonatal Research Initiative - Request for Proposals

Little Giraffe Foundation Due Date: Letters of Intent 7/14/2017

The Foundation is offering research grants for neonatal research. The Foundation invites applications for research grants directed at addressing both the long term and immediate health needs caused by premature birth. Research subjects appropriate for support by the Foundation include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

- URL: <u>http://www.littlegiraffefoundation.org/Neonatal-Research-Initiative-Request-For-</u> <u>Proposals</u>

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NAF Pioneer SCA Translational Research Awards National Ataxia Foundation (NAF) Due Date: Letters of Intent (with abstract) 8/15/2017; Full Applications 9/15/2017

NAF invites proposals, under a competitive Request for Applications (RFA) process, to award a grant focusing on research investigations that will facilitate the development of treatments for the Spinocerebellar Ataxias (SCAs).

- URL: <u>http://www.ataxia.org/research/ataxia-research-grants.aspx</u>

Research Opportunities in Space and Earth Sciences (ROSES) - Topical Workshops, Symposia, and Conferences

National Aeronautics and Space Administration (NASA) Due Date: Rolling Submissions through 3/29/2018

In order to address its strategic goals and objectives, the Science Mission Directorate (SMD) acknowledges the need to bring together members of scientific communities relevant to NASA in order to encourage and facilitate the use of mission data, increase the efficiency of investigators through the open exchange of ideas, and expose investigators to new subject areas. This program element solicits proposals for topical workshops, symposia, conferences, and other scientific/technical meetings (herein referred to as "events") that advance the goals and objectives of only the following SMD Divisions: Earth Science and Planetary Science. Proposals are not limited to traditional in-person meetings of scientists but may also include requests for support of other methods of bringing together members of the scientific communities relevant to NASA, such as online discussion forums and web-based collaboration portals, especially in support of a traditional event. Proposals for multiple related events should be well justified. This solicitation is directed at scientific and technical events of interest to SMD, not education, public outreach, or administrative (nonscientific, nontechnical) conferences. Where other ROSES program elements specifically solicit for events, proposals must be submitted in response to those solicitations instead of this one.

Proposals submitted in response to this solicitation must demonstrate the relevance of the event to SMD by showing how the scientific/technical area(s) to be covered will advance not only high-level SMD goals and objectives, but also specific (existing or anticipated) outcomes identified in ROSES program elements, SMD roadmaps, other SMD program documents, the NASA Science Plan, findings in decadal surveys, or the reports of NASA advisory bodies or groups relevant to NASA. Proposers are not constrained to show relevance to the program elements that appear in ROSES-2015; some calls do not appear every year, but research in that area continues and proposals would still be considered relevant. The subjects of the proposed events are not limited to the targeted science (or data analysis

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that leads to science) itself, but also include technologies, methods, and capabilities that enable the attainment of relevant goals, such as (but not limited to) code development, data compression algorithms, higher order data products, model intercomparisons, the enhancement and/or application of new equipment to make pertinent measurements, etc.

Proposals for workshops, symposia, conferences, or scientific/technical meetings in Earth Science should be carried out in support of NASA Science Questions and Goals from the 2014 Science Plan for NASA's Science Mission Directorate. NASA's Earth science research is conducted in four major areas: research and analysis, satellite missions, applied sciences, and enabling capabilities (e.g., data and information systems, high-end computing, airborne science, and technology development). Proposals for events under any of these four Earth science areas will be considered under this program element. NASA Earth Science's research and analysis programs emphasize interdisciplinary topics and interagency collaboration and coordination through the U.S. Global Change Research Program (http://www.globalchange.gov/). NASA's applied sciences area supports efforts to discover and demonstrate innovative and practical uses of NASA Earth science observations and research through applications projects carried out in partnership with end user organizations (<a href='Proposals for workshops, symposia, conferences, or scientific/technical meetings in Earth Science should be carried out in support of NASA Science Questions and Goals from the 2014 Science Plan for NASA's Science Mission Directorate. NASA's Earth science research is conducted in four major areas: research and analysis, satellite missions, applied sciences, and enabling capabilities (e.g., data and information systems, high-end computing, airborne science, and technology development). Proposals for events under any of these four Earth science areas will be considered under this program element. NASA Earth Science's research and analysis programs emphasize interdisciplinary topics and interagency collaboration and coordination through the U.S. Global Change Research Program. NASA's applied sciences area supports efforts to discover and demonstrate innovative and practical uses of NASA Earth science observations and research through applications projects carried out in partnership with end user organizations. NASA's enabling capabilities area supports efforts that engage the broader Earth science community to encourage partnerships and collaborations among data providers, users, and information technology experts to improve data and data system interoperability. Thus, events proposed to address the goals of NASA Earth Science research must, in many cases, involve substantial participation by interagency partners and/or end user organizations, and such participation will be considered as a positive factor in establishing relevance to NASA. NASA's enabling capabilities area supports efforts that engage the broader Earth science community to encourage partnerships and collaborations among data providers, users, and information technology experts to improve data and data system interoperability. Thus, events proposed to address the goals of NASA Earth Science research must, in many cases, involve substantial participation by interagency partners and/or end user organizations, and such participation will be considered as a positive factor in establishing relevance to NASA. The goal of any proposed activity must be to enable science, and the logistics, which may be funded as a result of the proposed activity, are merely an incidental means to achieve that goal. Proposals to this program must be written so that the objective of the proposed activity is clearly focused on the desired effect that is to be achieved (e.g., science), rather than the means to that end

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(e.g., logistics). It is acceptable to have a goal of developing an output that is a prerequisite to achieving a target laid out in a ROSES program element, roadmap, decadal survey, etc., and to pay for the logistics as an expense on the way to accomplishing that goal. However, a proposal with a stated goal of simply paying for logistics in support of an event would not be considered responsive to this solicitation. **NNH17ZDA001N-TWSC**

- URL:<u>https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={9F4D8</u> 70D-38A7-E47B-22C2-D75CB8FC4262}&path=open

NEW FACULTY / INVESTIGATOR

Young Investigator (YI) Award National Ataxia Foundation (NAF) Due Date: Letters of Intent 8/1/2017; Applications 9/1/2017

This award was created to encourage young clinical and scientific investigators to pursue a career in the field of ataxia research. It is NAF's hope that ataxia research will be invigorated by the work of young, talented individuals supported by this award. Due to the larger availability of funding for Ataxia-Telangiectasia (A-T), those research proposals will receive a lower priority. However, a higher ranking will be given to those Ataxia-Telangiectasia research studies that lend themselves to an overall better understanding of the ataxia process.

- URL: <u>http://www.ataxia.org/research/ataxia-research-grants.aspx</u>

Young Investigator (YI-SCA) Award for SCA Research National Ataxia Foundation (NAF) Due Date: Letters of Intent 8/1/2017; Applications 9/1/2017

This award was created to encourage young clinical and scientific investigators to pursue a career in the field of Spinocerebellar Ataxia (SCA) research. It is NAF's hope that ataxia research will be

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invigorated by the work of young, talented individuals supported by this award. These research grants are for research projects for the Spinocerebellar Ataxias (SCAs).

- URL: <u>http://www.ataxia.org/research/ataxia-research-grants.aspx</u>

SOCIAL & BEHAVIORAL SCIENCES

Call for Proposals: Computational Social Science *Russell Sage Foundation (RSF)* **Due Date: Letters of Inquiry 8/21/2017; Full Proposals 11/15/2017**

Social science research on many topics has often been hampered by the limitations associated with survey data. However, the digital age has rapidly increased access to large and comprehensive data sources such as public and private administrative databases, and unique new sources of information from online transactions, social-media interactions, and internet searches. New computational tools also allow for the extraction, coding, and analysis of large volumes of text. Advances in analytical methods for exploiting and analyzing data have accompanied the rise of these data. The emergence of these new data also raises questions about access, privacy and confidentiality.

The Russell Sage Foundation's initiative on Computational Social Science (CSS) supports innovative social science research that brings new data and methods to bear on questions of interest in its core programs in Behavioral Economics, Future of Work, Race, Ethnicity and Immigration, and Social Inequality. Limited consideration will be given to questions that pertain to core methodologies, such as causal inference and innovations in data collection. Examples of research (some recently funded by RSF) that are of interest include, but are not restricted to, the following:

Linked Administrative Data Private Administrative Data Machine-Learning Online Surveys and Experiments Text Analysis Social Media

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Funding Considerations:

Applicants should specify how the proposed project informs and advances RSF's computational social science research priorities in its core program areas: Behavioral Economics, Future of Work, Race, Ethnicity and Immigration, and Social Inequality. RSF values reproducibility and open science, and where applicable, investigators should explain their data release plan (data, code, codebooks) or any prohibitions on providing such materials.

Examples of the kinds of questions that are of interest can be found on the Foundation's website, but examples include:

Program on Behavioral Economics

- What are the psychological consequences of income scarcity and how do they affect individual decision-making and judgment?

- What factors influence decision-making processes that involve tradeoffs between costs and benefits that occur at different points in time, or the tendency to over-value immediate rewards at the expense of longer-term benefits?

Program on the Future of Work

- To what extent have labor market changes affected family formation, transitions to adulthood, or social mobility?

- Job quality is related to many different factors including government policies (e.g., minimum-wage laws or parental and sick leave policies) and employer instituted policies (e.g., flex hours, retirement plans). What are the consequences of such policies for employers, workers and families?

Program on Race, Ethnicity and Immigration

- How do race-related beliefs evolve in the context of growing population diversity?

- What is the impact of immigration policies on the social and political development of immigrants? To what extent have these policies influenced public opinion, inter-group relations or civic participation?

Program on Social Inequality

- To what extent has increased economic inequality (income, wealth, consumption) affected equality of opportunity or social mobility?

- Are changes in the labor market and occupational structure related to changes in economic inequality?

Funding is available for secondary analysis of data or for original data collection. RSF is especially interested in novel uses of new or under-utilized data and new methods for analyzing these data. Smaller projects might consist of a pilot study to demonstrate proof-of-concept. RSF encourages methodological variety and inter-disciplinary collaboration. Proposed projects must have well-

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developed conceptual frameworks and research designs. Analytical models must be specified and research questions and hypotheses (where applicable) must be clearly stated.

- URL: <u>http://www.russellsage.org/call-proposals-computational-social-science</u>

STUDENTS

Kenneth B. and Mamie P. Clark Fund

American Psychological Association (APA) - American Psychological Foundation (APF) **Due Date: 6/15/2017**

The Fund supports research and demonstration activities that promote the understanding of the relationship between self-identity and academic achievement with an emphasis on children in grade levels K-8. The Kenneth B. and Mamie P. Clark Grant:

- Stimulates and continues the line of inquiry that Kenneth and Mamie Clark pioneered regarding the impact of race and power on the personal and psychological development of children in the United States.

- Encourages graduate students to implement research that builds upon the early professional work of Kenneth and Mamie Clark by addressing some of the unanswered questions raised by the Clark's early investigations.

Proposals will be evaluated on:

- Conformance with stated program goals and qualifications
- Quality and potential impact of proposed work
- Originality, innovation and contribution to the field with proposed project
- Applicant's demonstrated competence and capability to execute the proposed work

This grant will alternate every other year between an early career psychologist and a graduate student. *The 2017 grant will support a graduate student.*

- URL: <u>http://www.apa.org/apf/funding/clark-fund.aspx</u>

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