Funding Bulletin
April 10th, 2015 (Vol. 2, No. 14)

Funding Information

To receive funding information, please contact Sarah Haug, Funding Opportunity Specialist, Office of Research and Technology Transfer, phone: 316-978-6803, e-mail: *sarah.haug@wichita.edu*

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

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

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

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How to Apply

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

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

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WICHITA STATE UNIVERSITY
RESEARCH AND TECHNOLOGY TRANSFER

NOTICES

RTT Relocation

The Office of Research and Technology Transfer (RTT) has relocated Pre-Award and Post-Award to the 4th Floor of Jardine Hall – Room 409.

NIH and ARHQ Biosketch Requirements for Due Dates On or After May 25, 2015

The National Institutes of Health (NIH) and the Agency for Health Research and Quality (AHRQ) require the new biosketch format ([NOT-OD-15-032](#)) for all competing and non-competing applications submitted for due dates on or after May 25, 2015. Biosketch format pages, instructions, samples and [FAQs](#) are available on the SF 424 (R&R) Forms and Applications page (http://grants.nih.gov/grants/funding/424/index.htm#format). Applicants can use Science Experts Network Curriculum Vitae ([SciENcv](#)) to generate their biosketches faster and in the right format. A [YouTube video](#) provides instructions for using SciENcv. See more at: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-085.html

Requirement of Grantees and Contractors to Submit Invention Disclosures , Related Reports and Documents via iEdison

NIH requires all invention disclosures, related reports and documents to be submitted electronically via Interagency Edison (iEdison).

http://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-080.html

LIMITED SUBMISSIONS

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Karen Davis, Director of Pre-Award Services, is the internal coordinator for limited submission programs. Please notify *proposals@wichita.edu*, by the internal due date listed in the Funding Bulletin if you wish to submit a limited submission program. There are currently six open limited submission competitions:

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(1) Summer Institute for Research Education in Biostatistics (R25)
National Institutes of Health (NIH)
Due Date: Internal 4/24/2015; Letter of Intent 5/1/2015; Application 6/1/2015

The NIH Research Education Program (R25) supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The over-arching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs; (2) enhance the diversity of the biomedical, behavioral and clinical research workforce; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications. The over-arching goal of this NHLBI 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. Specifically, this FOA will enhance the training of quantitatively oriented students to encourage them to pursue advanced degrees in biostatistics-related fields for a career in biomedical and biostatistical research. To accomplish the stated goal, this FOA will support the following integrated educational activities with a primary focus on:

- ***Courses for Skills Development*** in the principles and methods of contemporary biostatistics as employed in biomedical research today, incorporating hands-on research experiences and mentoring activities to introduce the participants to careers in biostatistical research.

Only one application per institution is allowed. RFA-HL-16-017

- **URL:** *http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-16-017.html*

(2) Big Data Regional Innovation Hubs (BD Hubs)
National Science Foundation (NSF)
Due Date: Internal 5/1/2015; Full Proposal 6/24/2015

This solicitation is the first of a multi-phase process meant to develop a National Network of BD Hubs. The first phase will set up the governance structure of each BD Hub's consortium of members as well as develop approaches to ensure cross-hub collaboration and sustainability over the long term. The next phase will focus on building out various sectors of particular interest to each BD Hub (e.g., transportation, smart cities, health, energy, public safety, and education) so as to advance sector innovation in that region. The final phases will focus on connecting the BD Hubs and their regional sectors into a national Big Data innovation ecosystem. This solicitation is part of NSF's Big Data program, which includes: research and infrastructure development; education and workforce development; and multi-disciplinary collaborative teams and communities that address complex

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science and engineering grand challenges. Before preparing a proposal in response to this or any other Big Data solicitation, applicants are strongly encouraged to review those solicitations and consult with cognizant NSF program officers to determine appropriateness of fit. For example, this solicitation funds the establishment and coordination of a BD Hubs National Network, but is not meant to be a source of funding for new research. By contrast, the BIGDATA solicitation may be more relevant for research funding. **An organization may only submit one proposal. This limit holds across all regions defined in the Program Description. NSF 15-562**

- **URL:**_http://www.nsf.gov/pubs/2015/nsf15562/nsf15562.htm?WT.mc_id=USNSF_25&WT.mc_ev=click_

(3) Software Infrastructure for Sustained Innovation – S2I2 (SI2-S2I2)
National Science Foundation (NSF)
Due Date: Internal 5/1/2015; Full Proposals 6/3/2015 (Implementation Proposals); Conceptualization Proposals accepted anytime

Software Infrastructure for Sustained Innovation (SI^2) is a long-term investment focused on realizing a portion of the Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21, http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504730) vision and catalyzing new thinking, paradigms and practices in science and engineering. CIF21 envisions a linked cyberinfrastructure architecture that integrates large-scale computing, high-speed networks, massive data archives, instruments and major facilities, observatories, experiments, and embedded sensors and actuators, across the nation and the world, and that enables research at unprecedented scales, complexity, resolution, and accuracy by integrating computation, data, and experiments in novel ways. The goal of the overall SI^2 program is to create a software ecosystem that scales from individual or small groups of software innovators to large hubs of software excellence. It is envisioned that the SI^2 program will collectively support vibrant partnerships between academia, government laboratories and industry, including international entities, for the development and stewardship of a sustainable software infrastructure that can enhance productivity and accelerate innovation in science and engineering. **This solicitation is focused on the Scientific Software Innovation Institutes (S^2I^2) class of awards.** S^2I^2 includes two subclasses of awards: *Conceptualization Awards*, which are planning awards aimed at organizing an interdisciplinary community and understanding their software requirements and challenges, and *Implementation Awards,* which will be made to implement community activities that support software infrastructure, for example, such as those developed by the conceptualization awards. **Each organization may only submit one proposal of each class (Conceptualization, CMRSI implementation, SGSI Implementation). NSF 15-553**

- **URL:**_http://www.nsf.gov/pubs/2015/nsf15553/nsf15553.htm?WT.mc_id=USNSF_25&WT.mc_ev=click_

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(4) Pathway to Stop Diabetes
American Diabetes Association (ADA)
Due Date: Internal 5/15/2015; Application 7/1/2015

Pathway seeks exceptional nominees from a broad range of disciplines, including medicine, biology, chemistry, engineering, mathematics and physics. Pathway will support creative scientists early in their diabetes research careers, or investigators who are established in other disciplines but would like to expand their focus to diabetes research. Pathway will consider applications directed toward topics relevant to the prevention, treatment and cure of all diabetes types (type 1, type 2 and gestational), diabetes-related disease states (obesity, pre-diabetes, and other insulin resistant states) and diabetes complications. The Association encourages nomination of individuals from diverse backgrounds, including minorities that are underrepresented in research. **Institutions may nominate one investigator per grant cycle. The nomination can be in <u>one</u> of the Pathway award types:**

- **Initiator**
- **Accelerator**
- **Visionary**

- **URL:** *http://professional.diabetes.org/Diabetes_Research.aspx?typ=18&cid=93654*

(5) Predoctoral Training in Biomedical Big Data Science (T32)
National Institutes of Health (NIH)
Due Date: Internal 5/15/2015; Application 7/27/2015 (Letter of Intent due 30 days before the application due date)

The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data. **Only one application per institution, identified by a unique DUNS number, will be accepted. RFA-HG-14-004**

- **URL:** *http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-004.html*

(6) Collections in Support of Biological Research
National Science Foundation (NSF)
Due Date: Internal 6/1/2015; Full Proposals 7/13/2015

The Collections in Support of Biological Research (CSBR) Program provides funds: 1) for improvements to secure, improve, and organize collections that are significant to the NSF BIO-funded research community; 2) to secure collections-related data for sustained, accurate, and efficient accessibility of the collection to the biological research community; and 3) to transfer collection ownership responsibilities. The CSBR program provides for enhancements that secure and improve existing collections, result in accessible digitized specimen-related data, and develop better methods for specimen curation and collection management. Requests should demonstrate a clear and urgent need to secure the collection, and the proposed activities should address that need. Biological collections supported include established living stock/culture collections, vouchered non-living natural history collections, and jointly-curated ancillary collections such as preserved tissues and DNA libraries. **One proposal may be submitted from any individual collection within an organization. One organization may not submit more than three proposals to any one CSBR competition. NSF 14-564**

- **URL:** *http://www.nsf.gov/pubs/2014/nsf14564/nsf14564.htm*

INTERNAL OPPORTUNTIES

The next internal opportunities available will be: 1) Multi-disciplinary Research Projects Award (MURPA) and 2) University Research/Creative Award (URCA) - Round 2. Both will have October 2015 deadlines.

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

Check back in late summer for updated instructions and application forms for both opportunities.

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GENERAL

Upcoming NIH Parent (Unsolicited) Announcement Due Dates:

R01 - Research Project Grant (Parent R01): 6/5/2015

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-302.html*

R03 - NIH Small Research Grant Program (Parent R03): 6/16/2015

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-304.html*

R15 - Academic Research Enhancement Award (Parent R15): 6/25/2015

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-313.html*

R21 - NIH Exploratory/Developmental Research Grant Program (Parent R21): 6/16/2015

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-303.html*

Major Initiatives – Research Infrastructure Improvement Track-1
Kansas NSF Experimental Program to Stimulate Competitive Research (EPSCoR)
Due Date: White Papers 4/20/2015

White papers will only be considered for projects that interface with the research areas related to NSF's new initiative, *INFEWS (Innovations at the Nexus of Food, Energy and Water Systems)*. Visit the following link for a better understanding of this area: *http://www.nsf.gov/mps/advisory/mpsac_other_reports/nsf_food_security_report_review_final_rev2.pdf*

A major initiative white paper should propose problem-driven research that requires a comprehensive and integrative approach to a grand challenge issue in scientific areas related to the focus area, INFEWS (Innovations at the Nexus of Food, Energy and Water Systems).Preference will be given to meritorious proposals that:

- Link two or more of the three NEXUS research areas
- Consist of senior leadership with participation (and mentoring) of a significant fraction of junior faculty
- Include minorities and women

- **URL:** *http://www.nsfepscor.ku.edu/funding.html*

Research Associateship Programs (RAP)
The National Academies
Due Dates: 5/1/2015, 8/1/2015, 11/1/2015

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/pga/rap/*

Grants Program
National Endowment for Financial Education (NEFE)
Due Dates: 6/2/2015, 12/1/2015

The grants program seeks innovative research that can make a profound contribution to the field of financial literacy. Inquiries are encouraged from disciplines in fields as diverse as:

- behavior
- economics
- neuroscience
- sociology
- psychology
- marketing
- finance
- education
- change theory
- decision sciences and others

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Project outcomes should be actionable in the field of financial literacy, directly relevant to the financial well-being of the public, and able to be applied broadly. NEFE seeks projects whose outcomes can improve the public's ability to achieve personal and household financial well-being. Of particular interest are pro-active research projects initiated from one of a broad spectrum of scholarly disciplines whose findings may cultivate critical thinking in the financial literacy community. Also of interest are development projects that put research recommendations into action. Project outcomes must be capable of achieving traction and measurable impact with audiences such as financial education intermediaries, researchers, practitioners, decision makers, and others who can achieve effective outreach to a target population with an unmet financial literacy need or to the general public.

- **URL:** *http://www.nefe.org/what-we-provide/research-funding/grant-guidelines.aspx*

Software Infrastructure for Sustained Innovation - SSE & SSI (SI2 – SSE&SSI)
National Science Foundation (NSF)
Due Date: SSI Proposals 6/26/2015

NSF has established the *Software Infrastructure for Sustained Innovation (SI^2)* program, with the overarching goal of transforming innovations in research and education into sustained software resources that are an integral part of the cyberinfrastructure. SI^2 is a long-term investment focused on catalyzing new thinking, paradigms, and practices in developing and using software to understand natural, human, and engineered systems. SI^2's intent is to foster a pervasive cyberinfrastructure to help researchers address problems of unprecedented scale, complexity, resolution, and accuracy by integrating computation, data, networking, observations and experiments in novel ways. NSF expects that its SI^2 investment will result in robust, reliable, usable and sustainable software infrastructure that is critical to achieving the CIF21 vision and will transform science and engineering while contributing to the education of next generation researchers and creators of future cyberinfrastructure. Education at all levels will play an important role in integrating such a dynamic cyberinfrastructure into the fabric of how science and engineering is performed. It is expected that SI^2 will generate and nurture the interdisciplinary processes required to support the entire software lifecycle, and will successfully integrate software development and support with innovation and research. Furthermore, it will result in the development of sustainable software communities that transcend scientific and geographical boundaries. SI^2 envisions vibrant partnerships among academia, government laboratories and industry, including international entities, for the development and stewardship of a sustainable software infrastructure that can enhance productivity and accelerate innovation in science and engineering. The goal of the SI^2 program is to create a software ecosystem that includes all levels of the software stack and scales from individual or small groups of software innovators to large hubs of software excellence. The program addresses all aspects of

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cyberinfrastructure, from embedded sensor systems and instruments, to desktops and high-end data and computing systems, to major instruments and facilities. Furthermore, it recognizes that integrated education activities will play a key role in sustaining the cyberinfrastructure over time and in developing a workforce capable of fully realizing its potential in transforming science and engineering. **NSF 14-520** The SI^2 program includes three classes of awards (**This solicitation includes SSE and SSI classes of awards only)**:

1. **Scientific Software Elements (SSE):** SSE awards target small groups that will create and deploy robust software elements for which there is a demonstrated need that will advance one or more significant areas of science and engineering.

2. **Scientific Software Integration (SSI):** SSI awards target larger, interdisciplinary teams organized around the development and application of common software infrastructure aimed at solving common research problems faced by NSF researchers in one or more areas of science and engineering. SSI awards will result in a sustainable community software framework serving a diverse community or communities.

3. **Scientific Software Innovation Institutes (S2I2):** S2I2 awards will focus on the establishment of long-term hubs of excellence in software infrastructure and technologies, which will serve a research community of substantial size and disciplinary breadth.

- **URL:** *http://www.nsf.gov/pubs/2014/nsf14520/nsf14520.htm*

2015 Grant Cycle

RGK Foundation

Due Date: Letters of Inquiry reviewed quarterly (next review date: 6/12/15)

The RGK Foundation in Austin, Texas, is inviting grant proposals in the broad areas of education, community, and health and medicine. The foundation's primary education interests include programs that focus on formal K-12 education (particularly math, science, and reading), teacher development, literacy, and higher education. Within its community area, the foundation supports a broad range of human services, community improvement activities, abuse prevention, and youth development programs. In the area of health and medicine, the foundation's current interests include programs that promote the health and well-being of children and access to health service. While grants occasionally support operating expenses, capital campaigns, endowments, and international projects, such grants are infrequent and are usually initiated by the foundation. Multiyear grants are also rare, with most grants awarded for a one-year period. Grants are made only to nonprofit organizations certified as tax exempt under Sections 501(c)(3) or 170(c) of the Internal Revenue Code and classified as "not a private foundation" under Section 509(a). Hospitals, educational institutions, and governmental institutions meeting these requirements are eligible to apply**.**

- **URL:** *http://www.rgkfoundation.org/public/guidelines*

ARTS & HUMANITIES

Digital Projects for the Public
National Endowment for the Humanities (NEH)
Due Date: 6/10/2015

The Digital Projects for the Public program supports projects such as websites, mobile applications, games, and virtual environments that significantly contribute to the public's engagement with humanities ideas. Projects must be analytical and deeply grounded in humanities scholarship in a discipline such as history, religion, anthropology, jurisprudence, or art history. (You can find a more detailed description of the humanities here.)   Digital Projects for the Public grants support projects that are largely created for digital platforms. While these projects can take many forms, shapes, and sizes, you should apply to this program primarily to create digital projects or the digital components of a larger project. NEH is a national funding agency, so these projects should demonstrate the potential to attract a broad, general audience. Projects can have specific targeted audiences (including K-12 students), but they should also strive to cultivate a more inclusive audience.   NEH welcomes applications for smaller digital components of a larger project. In such applications you should explain how the digital pieces will enrich the users' learning experience and engagement. All Digital Projects for the Public projects should:
   - deepen public understanding of significant humanities stories and ideas;
   - incorporate sound humanities scholarship;
   - involve humanities scholars in all phases of development and production;
   - include appropriate digital media professionals;
   - reach a broad public through a realistic plan for development, marketing, and distribution;
   - create appealing digital formats that will engage the general public; and
   - utilize widely available hardware and operating platforms.

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

Preservation and Access Research and Development
National Endowment for the Humanities (NEH)
Due Date: 6/25/2015

Preservation and Access Research and Development grants support projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage—from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence—and to develop advanced modes of searching,

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discovering, and using such materials. Applicants should define a specific problem, devise procedures and potential solutions, and explain how they would evaluate their projects and disseminate their findings. Project results must serve the needs of a significant number of humanists.

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

Research and Development
National Endowment for the Humanities (NEH)
Due Date: 6/25/2015

The Research and Development program supports projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage—from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence—and to develop advanced modes of organizing, searching, discovering, and using such materials. This program recognizes that finding solutions to complex problems often requires forming interdisciplinary project teams, bringing together participants with expertise in the humanities; in preservation; and in information, computer, and natural science. **All projects must demonstrate how advances in preservation and access would benefit the cultural heritage community in supporting humanities research, teaching, or public programming.** Below you will find a lengthy but not exhaustive list of the diverse research fields, topics, or humanities collection types that may be addressed by projects in Research and Development.

- **URL:** *http://www.neh.gov/files/grants/research-development-june-25-2015-edit.pdf*

Anne Emery Kyllo Professional Scholarship
Music Therapy Association
Due Date: 6/26/2015

The American Music Therapy Association is accepting applications for the 2015 Anne Emery Kyllo Professional Scholarship, an annual program designed to support professional music therapists in their efforts to expand their training and professional interactions through participation in continuing education opportunities. Three scholarships of $500 will be awarded annually for use toward continuing music therapy education credits. The award may be used for national and/or regional conferences, continuing music therapy education courses, and/or other continuing education courses that meet the educational activity guidelines established by the Certification Board for Music

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Therapists. In addition, the award may be used for postgraduate coursework as it relates to the clinical practice of music therapy. The award is for one calendar year.

- **URL:***http://www.musictherapy.org/careers/scholars/#Anne_Emery_Kyllo_Professional_Scholarship*

EDUCATION

Investing in Innovation Fund (I3)
U.S. Department of Education (ED)
Due Date: Notices of Intent 4/20/2015; Pre-Applications 4/29/2015

The Investing in Innovation Fund, established under section 14007 of the American Recovery and Reinvestment Act of 2009 (ARRA), provides funding to support (1) local educational agencies (LEAs) and (2) nonprofit organizations in partnership with (a) one or more LEAs or (b) a consortium of schools. The purpose of this program is to provide competitive grants to applicants with a record of improving student achievement and attainment in order to expand the implementation of, and investment in, innovative practices that are demonstrated to have an impact on improving student achievement or student growth, closing achievement gaps, decreasing dropout rates, increasing high school graduation rates, or increasing college enrollment and completion rates. These grants will (1) allow eligible entities to expand and develop innovative practices that can serve as models of best practices, (2) allow eligible entities to work in partnership with the private sector and the philanthropic community, and (3) identify and document best practices that can be shared and taken to scale based on demonstrated success.

- **URL:** *http://www2.ed.gov/programs/innovation/index.html*

Education Opportunities in NASA STEM (EONS) – Minority University Research and Education Project (MUREP) - Educator Institutes (MEI)
NASA (National Aeronautics and Space Administration (NASA)
Due Date: Notices of Intents 4/24/2015; Proposals 6/30/2015

The NASA Office of Education MUREP solicits proposals from Minority Serving Institutions (MSIs) to plan, coordinate, and evaluate MEIs that will bring pre-service and alternative route Science, Technical, Education, and Mathematics (STEM) educators from MSIs across the country to NASA centers annually for a one week professional development session. MSIs that plan to submit a

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proposal may partner with other institutions. NASA currently plans to select one award for a three-year period of performance. The awardee will be eligible for renewal for up to two additional years, based on its performance and NASA's availability of funds. The proposal shall contain plans to address and be guided by the following CoSTEM priorities:

• Improve STEM Instruction:

- Prepare 100,000 new K-12 STEM teachers by 2020 and support the existing teacher workforce.
- Identify, develop, test, and support effective teacher preparation efforts that encourage teachers' use of evidence-based practices that provide students with rich STEM learning opportunities.

• Enhance STEM Experience of Undergraduate Students:

- Identify and broaden implementation of evidence-based instructional practices and innovations to improve undergraduate learning and retention in STEM and develop a national architecture to improve empirical understanding of how these changes relate to key student outcomes.
- Support the development of university-industry partnerships, and partnerships with Federally supported entities, to provide relevant and authentic STEM learning and research experiences for undergraduate students, particularly in their first two years.

• Better Serve Groups Historically Underrepresented in STEM fields

- Invest in efforts to create campus climates that are effective in improving success for students from underrepresented groups through mentorship, technical assistance, and other innovative practices. **NNH14ZHA001N**

- **URL:***http://nspires.nasaprs.com/external/solicitations/solicitationAmmendments.do?method=init&solId={F257E429-24AC-EE13-09E6-45812E0D1314}&path=open*

Dear Colleague Letter: Indicators for Monitoring Progress toward Successful K-12 STEM Education
National Science Foundation (NSF)
Due Date: 4/30/2015 (Follows the NSF PRIME (NSF 15-540) due date)

This Dear Colleague Letter is to announce that the National Science Foundation's Directorate for Education and Human Resources is interested in research and development activities around the 14 Indicators as described in 2013 in the National Research Council report, *Monitoring Progress Toward Successful K-12 Education: A Nation Advancing?* The report calls for a national indicator system that could be used by both policymakers and practitioners to improve STEM education. The report lists 14

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Indicators that, if measured regularly, could catalyze such improvement. The indicators can be found at:http://www.nap.edu/catalog.php?record_id=13509. While there are measures of some of these 14 indicators, the valid and reliable measurement of all these indicators is insufficiently developed to monitor the progress of K-12 STEM education in the US. The purpose of this DCL is to encourage proposals to be submitted to the Promoting Research Innovations in Methodologies and Evaluation (PRIME) program (NSF 15-540) to conduct exploratory work in its early stages on untested but potentially transformative research ideas or approaches necessary to move forward to design and develop measures of one or more of these 14 indicators for use in monitoring and improving the STEM education system. Since measures and the associated data for many of these indicators are not yet available, it is anticipated that many of the submitted Indicators-related projects may consist of:

1. Research that would lead to the development of consensus among STEM educators about the nature and operational definitions of one or more of these indicators;
2. A review and synthesis of the current state of the evidence base as they might map the development of measures of these indicators; and/or
3. Research and development to create and validate measures of one or more of these indicators, with an emphasis on the measures with the potential to support inferences at a national scale.

All submissions should begin with INDICATORS in the proposal title. **NSF 15-062**

- **URL:**http://www.nsf.gov/pubs/2015/nsf15062/nsf15062.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Learning & Leadership Grants
The NEA Foundation
Due Dates: 6/1/2015, 10/15/2015

The NEA Foundation provides grants to support public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following two purposes: Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes or action research; or grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment.

- **URL:** http://www.neafoundation.org/pages/learning-leadership-grants/

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ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Dear Colleague Letter – EAGERs for Cellular Biomanufacturing
National Science Foundation (NSF)
Due Date: Summaries 4/24/2015

The National Science Foundation (NSF) has placed a high priority on advanced manufacturing, including advanced biomanufacturing. The Chemical, Bioengineering, Environmental and Transport Systems (CBET) Division in the Engineering Directorate (ENG) at NSF seeks EArly-Concept Grants for Exploratory Research (EAGER) proposals that address key challenges in cellular biomanufacturing science and engineering, whether the intended use of the final cell product is in cell therapies, engineered tissues, or drug discovery and testing platforms that incorporate living cells, or whether the cells are used in novel protein production processes. This Dear Colleague Letter (DCL) is aimed at identifying opportunities to leverage and synthesize conceptual, scientific and technological innovation across disciplines in order to promote developments in cellular biomanufacturing towards accelerating solutions to critical challenges in the field. Although some of the challenges are specific to a particular type of cells, such as autologous cells, others are more generic and encompassing, applicable to both autologous and allogeneic cells. Projects are not limited to particular cell type(s), however, the project description should indicate the range of cell types for which the scientific questions or technological developments addressed in the proposal are relevant. Topics may include, but are not limited to:

- Novel approaches to increase the efficiency and rate of stem cell differentiation towards the desirable phenotype.
- Methods for rapid, non-destructive characterization of cellular phenotype and potency.
- Culture configurations and bioreactor technologies for reproducible cell expansion/ differentiation towards the targeted population size/phenotype.
- Novel cell separation technologies either for the starting biopsied material or for the final biomanufactured product.
- Development of robust correlations between easily measurable biomarkers and cellular functionality and potency.
- Innovative platforms addressing cell source variability in developing robust biomanufacturing processes based on autologous cells from various subjects.
- Design of stable mammalian cell lines that are less prone to evolutionary changes and that are suited for a more efficient manufacture of protein therapeutics.
- Computational models accounting for the stochastic variability of cells, which could be used for process tracking towards a final product within defined specifications.

These high-risk, high-impact, short-term projects must transcend approaches typically supported by the core research programs at NSF. Projects should have strong engineering and biological

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components, integrating and advancing both disciplines. Academic-Industry collaborations are encouraged. Although proposed studies should be potentially transformative and may be considered especially "high-risk, high-payoff," they should also be compatible with the time and budget limits of the EAGER funding mechanism. Specifically, requests may be for up to $300K and of up to two years duration. **NSF 15-065**

- **URL:**_http://www.nsf.gov/pubs/2015/nsf15065/nsf15065.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click_

National Strategy for Trusted Identities in Cyberspace (NSTIC) Privacy Pilots Cooperative Agreement Program
Department of Commerce (DoC) - National Institute of Standards and Technology (NIST)
Due Date: 5/28/2015

NIST is soliciting applications from eligible applicants to pilot privacy-enhancing technologies that embrace and advance the NSTIC vision and contribute to the maturity of the identity ecosystem the NSTIC 2 envisions: Promote secure, user-friendly ways to give individuals and organizations confidence in their online interactions. Specifically, the Federal government seeks to initiate and support pilots that address the needs of individuals, private sector organizations, and all levels of government in accordance with the NSTIC guiding principles that identity solutions will be (1) privacy-enhancing and voluntary, (2) secure and resilient, (3) interoperable, and (4) cost-effective and easy-to-use. NIST will fund projects that are intended to demonstrate or deploy new solutions that either do not exist or are not widely adopted in the marketplace today. **2015-NIST-NSTIC-02**

- **URL:** _http://www.grants.gov/web/grants/view-opportunity.html?oppId=275464_

Dear Colleague Letter – Graduate Education in Chemistry
National Science Foundation (NSF)
Due Date: Summaries 6/1/2015

A strategic goal of the National Science Foundation (NSF) is to "stimulate innovation and address societal needs through research and education".[1] Included in this goal is work to foster a "well-prepared knowledge workforce.... steeped in the expanding knowledge base and the advanced technology being generated by fundamental research activities".[1] NSF addresses these workforce needs "by seamlessly integrating the education of future scientists, engineers, and educators into the broad portfolio of research that we support".[1] In this context, the NSF Chemistry Division facilitates the research training of graduate students in Masters and Doctoral programs as a part of its fundamental research activities, primarily in the form of graduate research assistantships attached to

individual investigator awards or to Centers for Chemical Innovation. Support for graduate education also comes through NSF traineeships NRT (NSF Research Traineeship Program)[2] and fellowships to individual students GRFP (Graduate Research Fellowships Program).[3] The NSF also actively fosters efforts to broaden participation in graduate research in the STEM disciplines through its AGEP (Alliances for Graduate Education and the Professoriate) program. Private foundation and professional society reports have discussed effective modalities, structure, and content of graduate education in science and engineering. One example is a report by the American Chemical Society titled "Report on Advancing Graduate Education in the Chemical Sciences"[4] that recommends significant changes in content and modes of support in the US. Other reports (Council of Graduate Schools "The Path Forward: The Future of Graduate Education in the United States"[5], Carnegie Foundation "The Formation of Scholars: Rethinking Doctoral Education for the Twenty-first Century"[6] assess the situation more broadly and provide recommendations as well. The NSF has recently established a Graduate Education Strategic Plan Task Group charged with preparing a five-year planning document around these issues across all of the science and engineering domains supported by the Foundation. The Chemistry Division invites the community to help work on these issues by submitting proposals for conferences[7] that assess the current status and develop plans for alternative approaches to research and graduate education in Chemistry. The programs fostered by these conferences could bring together educators and the research community to address the issues raised in the various reports, such as the content of the graduate curriculum, the appropriate mix of support modalities, and the possibilities of supporting graduate education in entirely new ways. Recommendations for possible changes to graduate education content or support in Chemistry might result from these conferences as could pilot projects for changes in graduate program content or graduate program support. **NSF 15-055**

- **URL:***http://www.nsf.gov/pubs/2015/nsf15055/nsf15055.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click*

Small Business Innovation Research Program Phase 1 Solicitation (SBIR)
National Science Foundation (NSF)
Due Date: 6/16/2015

The Small Business Innovation Research (SBIR) Program is intended to stimulate technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal research and development needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The SBIR/STTR program solicits proposals from the small business sector consistent with NSF's mission. The program is governed by Public Law 112-81 (SBIR/STTR Reauthorization Act of 2011). SBIR/STTR policy is provided by the Small Business Administration (SBA) through the SBA Policy Directive. A main purpose of the legislation is to

stimulate technological innovation and increase private sector commercialization. The NSF SBIR/STTR program is therefore in a unique position to meet both the goals of NSF and the purpose of the SBIR/STTR legislation by transforming scientific discovery into both social and economic benefit, and by emphasizing private sector commercialization. **NSF 15-546**

- **URL:***http://www.nsf.gov/pubs/2015/nsf15546/nsf15546.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

Small Business Technology Transfer Program Phase 1 Solicitation (STTR)
National Science Foundation (NSF)
Due Date: 6/18/2015

The Small Business Technology Transfer (STTR) Program is intended to stimulate technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal research and development needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The SBIR/STTR program solicits proposals from the small business sector consistent with NSF's mission. The program is governed by Public Law 112-81 (SBIR/STTR Reauthorization Act of 2011). SBIR/STTR policy is provided by the Small Business Administration (SBA) through the SBA Policy Directive. A main purpose of the legislation is to stimulate technological innovation and increase private sector commercialization. The NSF SBIR/STTR program is therefore in a unique position to meet both the goals of NSF and the purpose of the SBIR/STTR legislation by transforming scientific discovery into both social and economic benefit, and by emphasizing private sector commercialization. The STTR Program requires researchers at universities, Federally-Funded Research and Development Centers (FFRDCs), and other non-profit research institutions to play a significant intellectual role in the conduct of each STTR project. These researchers, by joining forces with a small company, can spin-off their commercially promising ideas while they remain primarily employed at the research institution. This STTR Phase I solicitation aims at encouraging the commercialization of previously NSF-funded fundamental research (NSF funding lineage). It is highly desirable that the core innovation described in the submitted proposals can in some manner be linked to fundamental research funded by the NSF. **This lineage must be documented in the Project Description section of the proposal here**. **Please note:** It is NOT required that investigators of the original NSF-funded fundamental research be directly affiliated with the proposed STTR project or personnel. **NSF 15-545**

- **URL:***http://www.nsf.gov/pubs/2015/nsf15545/nsf15545.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM)
National Science Foundation (NSF)
Due Date: 6/19/2015

The Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM) is a Presidential award established by the White House in 1995. The PAESMEM program is administered by the National Science Foundation (NSF) on behalf of the White House Office of Science and Technology Policy (OSTP). Nominations, including self-nominations, are invited for "Individual" and "Organizational" PAESMEM awards. Individuals and organizations in all public and private sectors are eligible including industry, academia, K-12, military and government, non-profit organizations, and foundations. Nominations are encouraged from all geographical regions in the U.S. including its territories and particularly jurisdictions designated by Congress under NSF's Experimental Program to Stimulate Competitive Research (EPSCoR). NSF EPSCoR-designated jurisdictions are: Alabama, Alaska, Arkansas, Delaware, Guam, Hawaii, Idaho, Iowa, Kansas, Kentucky, Louisiana, Maine, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, North Dakota, Oklahoma, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Utah, Vermont, Virgin Islands, West Virginia, and Wyoming. Each "Individual" or "Organizational" PAESMEM awardee will receive a $10,000 award and a commemorative Presidential certificate. Awardees are also invited to participate in an award recognition ceremony in Washington, DC which includes meetings with STEM educators, researchers and policy leaders. Up to 16 awards may be made from the nominations received on or before June 19, 2015. **NSF 15-551**

- **URL:***http://www.nsf.gov/pubs/2015/nsf15551/nsf15551.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

HEALTH, LIFE & EARTH SCIENCES

FY15 Funding Opportunities
Congressionally Directed Medical Research Programs (CDMRP)
Due Date: Varies by program – pre-applications due late April or early May

CDRMP is currently accepting applications for four research programs: **Amyotrophic Lateral Sclerosis, Bone Marrow Failure, Breast Cancer, and Joint En Route Care Training System of Systems Initiative**, which focuses on improving military medical training through models and simulations. Each program supports multiple funding mechanisms, which range from basic research funds, to career

development, to translational support. Funding mechanisms vary by research program. **Pre-applications are required by late April or early May, depending on the program.** CDRMP has also released pre-announcements for research in **orthotics and prosthetics, neurofibromatosis, tuberous sclerosis, autism, multiple sclerosis, and several different types of cancer research**. Full announcements are expected for these programs in April.

- **URL:** *http://cdmrp.army.mil/funding/default.shtml*

Dear Colleague Letter – EAGERs for Cellular Biomanufacturing
National Science Foundation (NSF)
Due Date: Summaries 4/24/2015

The National Science Foundation (NSF) has placed a high priority on advanced manufacturing, including advanced biomanufacturing. The Chemical, Bioengineering, Environmental and Transport Systems (CBET) Division in the Engineering Directorate (ENG) at NSF seeks EArly-Concept Grants for Exploratory Research (EAGER) proposals that address key challenges in cellular biomanufacturing science and engineering, whether the intended use of the final cell product is in cell therapies, engineered tissues, or drug discovery and testing platforms that incorporate living cells, or whether the cells are used in novel protein production processes. This Dear Colleague Letter (DCL) is aimed at identifying opportunities to leverage and synthesize conceptual, scientific and technological innovation across disciplines in order to promote developments in cellular biomanufacturing towards accelerating solutions to critical challenges in the field. Although some of the challenges are specific to a particular type of cells, such as autologous cells, others are more generic and encompassing, applicable to both autologous and allogeneic cells. Projects are not limited to particular cell type(s), however, the project description should indicate the range of cell types for which the scientific questions or technological developments addressed in the proposal are relevant. Topics may include, but are not limited to:

- Novel approaches to increase the efficiency and rate of stem cell differentiation towards the desirable phenotype.
- Methods for rapid, non-destructive characterization of cellular phenotype and potency.
- Culture configurations and bioreactor technologies for reproducible cell expansion/ differentiation towards the targeted population size/phenotype.
- Novel cell separation technologies either for the starting biopsied material or for the final biomanufactured product.
- Development of robust correlations between easily measurable biomarkers and cellular functionality and potency.
- Innovative platforms addressing cell source variability in developing robust biomanufacturing processes based on autologous cells from various subjects.

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- Design of stable mammalian cell lines that are less prone to evolutionary changes and that are suited for a more efficient manufacture of protein therapeutics.
- Computational models accounting for the stochastic variability of cells, which could be used for process tracking towards a final product within defined specifications.

These high-risk, high-impact, short-term projects must transcend approaches typically supported by the core research programs at NSF. Projects should have strong engineering and biological components, integrating and advancing both disciplines. Academic-Industry collaborations are encouraged. Although proposed studies should be potentially transformative and may be considered especially "high-risk, high-payoff," they should also be compatible with the time and budget limits of the EAGER funding mechanism. Specifically, requests may be for up to $300K and of up to two years duration. **NSF 15-065**

- **URL:***http://www.nsf.gov/pubs/2015/nsf15065/nsf15065.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click*

Comparative Physiological Studies of Aging (R03)
National Institutes of Health (NIH) – National Institute on Aging (NIA)
Due Date: Letters of Intent 5/2/2015; Applications 6/2/2015

The purpose of this Funding Opportunity Announcement (FOA) is to support small research projects that involve comparative studies to understand biological pathways, which may explain differences in lifespan and health span phenotypes, in vertebrate species and that can be carried out in a short period of time with limited resources. **RFA-AG-16-003**

- **URL:** *http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-16-003.html*

Multicultural Activities
American Speech-Language-Hearing Association (ASLHA)
Due Date: 5/5/2015

The ASLHA has issued an RFP for its annual Multicultural Activities grants program. Now in its twentieth year, the program supports projects that are designed to bring multicultural components to ASHA's clinical, educational, and professional programs; and the activities of allied/related associations and organizations. For the twentieth consecutive year, funding has been allocated to support multicultural activities. Projects must have multicultural focus. "Multicultural" is defined as relating to issues around race, ethnicity, national origin, culture, language, dialect, gender, gender identity, age, sexual orientation, socioeconomic status, religion, and ability. Preference will be given

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to projects that respond to ASHA's [Envisioned Future: 2025](#) and [Strategic Pathway to Excellence](#) initiatives; advance interprofessional education/interprofessional practice; and/or result in a tangible product, program, or resource. It is expected that the average individual award will be between $7,000 and $10,000 with a maximum of $15,000 for a single grant. The program is open to any clinical and/or school-based speech, language, and hearing programs; university programs; state associations; and allied or related professional organizations. However, the project director must be an ASHA member.

- **URL:** *http://www.asha.org/Practice/multicultural/funding/rfp/*

Dear Colleague Letter – Stimulating research using NEON data
National Science Foundation (NSF)
Due Date: Summaries 5/8/2015

The National Science Foundation (NSF) is supporting construction of the [National Ecological Observatory Network](#) (NEON). NEON will offer the measurements, flexible operation, and research capability needed to assess long-term biosphere change and vastly expand our knowledge of regional and continental scale biology. When complete, the NEON observatory will collect and provide high-quality, standardized data from 106 sites (60 terrestrial, 36 aquatic and 10 aquatic experimental) across the U.S. using instrument measurements and field sampling. The sites have been selected strategically to represent different regions of vegetation, landforms, climate, ecosystem performance, and gradients of change. NEON's site-based, remotely sensed and continental-scale data are provided as a range of scaled data products that can be used to describe changes in the nation's ecosystem through space and time. Several NEON sites are nearing completion and have begun operations; many more sites will be completed during the coming year. Provisional [NEON data](#) from sites and airborne observations, along with protocols and documentation, are now available on the NEON Data Portal. In addition, NEON-collected [specimens and samples](#) are available and can be requested for research purposes. Through this Dear Colleague Letter (DCL), NSF's Directorate for Biological Sciences aims to foster and coordinate research that makes use of NEON data and/or samples/specimens by enabling research teams to coordinate their efforts and to address specific questions. This DCL encourages two types of funding request: 1) Conferences[1] designed to support costs of bringing together a team of researchers with shared research interests to coordinate plans for specific analysis or synthesis of NEON data; and 2) Early Concept Grants for Exploratory Research (EAGERs) to support innovative research that leverages NEON data and/or samples/specimens. Requests must propose to use NEON data and/or NEON samples/specimens in order to be considered for funding. **NSF 15-064**

- **URL:** *http://www.nsf.gov/pubs/2015/nsf15064/nsf15064.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click*

Request for Proposals for FY 2015/2016
North Central Soybean Research Program (NCSRP)
Due Date: 5/20/2015

The NCSRP is seeking soybean research proposals for funding to begin on October 1, 2015. The NCSRP Board will fund research projects that address their goals to increase soybean grower productivity and profitability while improving environmental stewardship. The NCSRP will fund both applied and basic research, and the communication of research results, to provide short- and long-term practical benefit to Midwestern soybean producers. Projects must logically fit into one of these key research areas:

- Soybean yield enhancement through classical and molecular breeding to increase genetic yield potential and yield stability via gene discovery and germplasm development, while maintaining or improving soybean composition, for the North Central Region.
- Basic and applied research directed at soybean disease, nematode, insect pest and abiotic stress biology, management and yield loss mitigation, including new and emerging threats, of consistent or potentially significant economic impact across the North Central Region.
- Management of weed resistance to herbicides for species of common occurrence and threat across the North Central Region.
- Basic and applied research that addresses soybean response to water, nutrients, climate, soil and environmental conditions specific to the North Central Region.
- Soybean production practices & crop management for increased yields and profitability in an environmentally sustainable manner.

- **URL:**   *http://ecals.cals.wisc.edu/2015/03/16/north-central-soybean-research-program-request-for-proposal-due-may-20/*

Cancer Research Education Grants Program – Research Experiences (R25)
National Institutes of Health (NIH) – National Cancer Institute (NCI)
Due Date: 5/25/2015, 9/25/2015 (standard due dates apply)

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

prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients, in accordance with the overall mission of the NCI. **PAR-15-152**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-15-152.html*

Early-Life Factors and Cancer Development Later in Life
National Institutes of Health (NIH)
Due Date: Depends on Mechanism – see below

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate research focused on the role of early-life factors in cancer development later in life. Given that current emerging evidence from limited research indicates a potentially important role for early-life events and exposures in cancer development, it is necessary to better understand 1) the early-life (maternal-paternal, in utero, birth and infancy, puberty and adolescence, and teenage and young adult years) factors that are associated with later cancer development; 2) how early-life factors mediate biological processes relevant to carcinogenesis; and 3) whether predictive markers for cancer risk based on what happens biologically at early-life can be measured and developed for use in cancer prevention strategies. Markers that predict malignancy or pre-malignant conditions would allow assessment of early-life exposures with relevant outcomes without having to wait 50 years for cancer development. Ultimately, a better mechanistic understanding of how early-life events and exposures contribute to the etiology of cancer later in life will allow for the development of effective interventions during pregnancy or early life that may have a profound impact on cancer prevention.

R01 (PA-15-126): 6/5/2015, 10/5/2015, 2/5/2016 (standard due dates apply)

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-126.html*

R03 (PA-15-124): 6/16/2015, 10/16/2015, 2/16/2016 (standard due dates apply)

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-124.html*

R21 (PA-15-125): 6/16/2015, 10/16/2015, 2/16/2016 (standard due dates apply)

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-125.html*

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Prevention Research in Mid-Life Adults

National Institutes of Health (NIH) – National Institute of Nursing Research (NINR) & National Institute on Aging (NIA)

Due Date: Standard due dates apply - see mechanism-specific dates below

This Funding Opportunity Announcement (FOA) seeks to stimulate research on mid-life adults (those 50 to 64 years of age) that can inform efforts to optimize health and wellness as individuals age, and prevent illness and disability in later years. The goal of this funding opportunity announcement (FOA) is to 1) Identify the unique characteristics of mid-life adults that impact health and wellness and contribute to the prevention of disease and disability; 2) Identify characteristics, influences, and indicators that are important for optimal health in mid-life adults; and 3) Develop strategies that promote health and wellness and prevent illness in this population.

R01: PA-15-098: 6/5/2015, 10/5/2015, 2/5/2016

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-098.html*

R21: PA-15-097: 6/16/2015, 10/16/2015, 2/16/2016

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-097.html*

NIA Academic Leadership Career Award (K07)

National Institutes of Health (NIH) – National Institute on Aging (NIA)

Due Date: 6/12/2015, 10/12/2015, 2/12/2015 (standard due dates apply)

The objective of the NIA Research Leadership Career Award (K07) is to provide support for more senior investigators who have the expertise and leadership skills to enhance the aging and geriatric research capacity within their academic institution. **PAR-15-078**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-15-078.html*

NCI Mentored Research Scientist Development Award to Promote Diversity (K01)

National Institutes of Health (NIH) – National Cancer Institute (NCI)

Due Date: 6/12/2015, 10/12/2015, 2/12/2016   (standard due dates apply)

The purpose of the NCI Mentored Research Scientist Development Award (K01) is to enhance the diversity of the NCI-funded cancer research workforce by supporting eligible individuals from

groups that have been shown to be underrepresented in the biomedical, behavioral, social and clinical sciences. This FOA provides salary and research support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor, or sponsor. The Diversity Training Branch (DTB) of the Center to Reduce Cancer Health Disparities (CRCHD), at the National Cancer Institute (NCI), invites career development award applications (K01) from individuals from backgrounds that have been shown to be underrepresented in health-related science. **PAR-15-064**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-15-064.html*

AHRQ Small Research Grant Program (R03)
Agency for Healthcare Research and Quality (AHRQ)
Due Date: 6/16/2015, 10/16/2015, 2/16/2016(standard due dates apply)

This FOA encourages Small Research Grant (R03) applications, and expresses AHRQ priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. **PA-15-147**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-147.html*

INTERNATIONAL

International Research Ethics Education and Curriculum Development Award (R25)
National Institutes of Health (NIH)
Due Date: Letters of Intent 4/22/2015; Applications 5/22/2015

The goal of this initiative is strengthen research ethics capacity in low- and middle-income countries (LMICs) through increasing the number of scientists, health professionals and relevant academics from these countries with in-depth knowledge of the ethical principles, processes and policies related to international clinical and public health research as well as the critical skills to develop research ethics education, ethical review leadership and expert consultation to researchers, their institutions, governments and international research organizations. **PAR-13-027**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-027.html*

FY 2015 EducationUSA Academy
U.S. Department of State (DoS) – Bureau of Educational and Cultural Affairs (ECA)
Due Date: 5/29/2015

The Office of Global Educational Programs of the Bureau of Educational and Cultural Affairs (ECA), U.S. Department of State is seeking proposal submissions for one cooperative agreement to administer a new education initiative, the FY 2015 EducationUSA Academy, which would take place in the summers of 2016, 2017, and 2018, with the expectation that it will become selfsustaining beyond the conclusion of this award. EducationUSA Academy will support EducationUSA's overall goal of promoting U.S. higher education abroad. The long-term goal of EducationUSA Academy is to create a new recruitment pipeline for international high school students who may not have considered undergraduate study in the United States by creating a network of summer programs at participating U.S. colleges and universities, each aimed at providing a combination of intensive English language training and college-preparatory content. Over time, it is expected that many accredited U.S. colleges and universities will apply to become part of the EducationUSA Academy network, and the program will increase and diversify international enrollment at two- and four-year institutions across the country. **ECA-ECAAS-15-006**

- **URL:** *https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=51327*

MULTIPLE DISCIPLINES

Community Partnerships to Advance Research (CPAR) (R01)
National Institutes of Health (NIH)
Due Dates: Standard due dates apply (see below for specific mechanism)

This funding opportunity announcement (FOA) encourages researchers to partner with communities using Community Engaged Research (CEnR) methodologies that will enhance relationships leading to better interventions and positive health outcomes. Partnership is defined as an association of two or more persons or entities that conduct a study as equal co-investigators. Community Engagement (CE) lies on a continuum that reflects the level of involvement of community members, or representatives of community populations, in research. This continuum of involvement in research efforts ranges from community consent to research, to full participation and shared leadership of community members in research design and eventual dissemination and implementation. Advances in translating research findings into practice have been made; however, such advances have not been realized by all members of society according to age, race, ethnicity, and socioeconomic group. Narrowing the gap in translational research

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within the NINR strategic areas of emphasis is a priority for the Institute. Using CE approaches and addressing areas such as self and symptom management, health promotion and prevention is one way to narrow the gap. CE can take many forms, and partners can include community based groups, agencies such as the Center for Medicare and Medicaid Services (CMS) innovation centers, Centers for Disease Control and Prevention (CDC) prevention Research Centers, Health Resources and Services Administration (HRSA) Community Health Centers (CHC) and Federally Qualified Health Centers (FQHC), other academic health institutions, or individuals. Collaborators may be engaged in health promotion/prevention, clinical or intervention research.

R01: PAR-14-142 – Due Dates: 6/5/2015, 10/5/2015, 2/5/2016
URL: *http://grants.nih.gov/grants/guide/pa-files/PA-14-142.html*

R21: PAR-14-141 – Due Dates: 6/16/2015, 10/16/2015, 2/16/2016
URL: *http://grants.nih.gov/grants/guide/pa-files/PA-14-141.html*

R15: PAR-14-140 – Due Dates: 6/25/2015, 10/25/2015, 2/25/2016
URL: *http://grants.nih.gov/grants/guide/pa-files/PA-14-140.html*

NEW FACULTY/INVESTIGATOR

Jacobs Foundation Research Fellowship Program – Jacobs Early Career Research Fellowship
Jacobs Foundation
Due Date: Pre-Applications 4/15/2015; Applications 7/15/2015

The Jacobs Foundation has announced the inaugural call for applications for its Research Fellowship Program. The Jacobs Foundation Research Fellowship Program is an internationally open, competitive fellowship program for early and mid-career researchers focusing on child and youth development. Fellowships are awarded to the most highly talented and innovative young scholars and mid-career researchers working on child and youth development. Funds from Jacobs Foundation Research Fellowships are awarded directly to the Fellow's institution and may be used over a three-year period to partially cover the Fellow's salary and for any activity supporting the Fellow's research, such as assistant salaries, equipment, technical assistance, professional travel, or trainee support. Fellows are selected on the basis of their research accomplishments, creativity, and potential to become leaders in the scientific community through their contributions to the field of child and youth development. International relevance of the fellow's planned work, the alignment of planned projects with the goals of the Jacobs Foundation, and the willingness to identify with our

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aims and to engage actively with us will also be selection criteria. The following documents must be submitted online in one PDF document until 15 April 2015 for an eligible candidate to be considered for a Jacobs Foundation Research Fellowship:

- A letter from a department head or other senior researcher supporting the candidate and describing his or her qualifications, initiative, and research;
- The candidate's curriculum vitae including a list of the candidate's scientific publications;
- A two-page statement by the candidate describing his or her significant scientific work and immediate research plans.

After review of preliminary applications, a selected number of candidates will be asked to submit a detailed application until 15 July 2015.

- **URL:** *http://jacobsfoundation.org/what-we-do/research-funding/jacobs-research-fellowship-program/*

Research Grants
The Konosuke Matsushita Memorial Foundation
Due Date: 5/13/2015

Research activities of social, academic and international needs in the areas of humanities and social sciences which promote international understanding and/or coexistence of Nature and Mankind. Those should contribute to the society by developing personnel with international perspective, establishing international relationships, solving various issues existing between Japan and other countries, and coexistence of Nature and Mankind. Two major objectives of The Konosuke Matsushita Memorial Foundation are:

1) to contribute to the society by promoting international understanding and

2) to realize the society where mankind respect and harmonize with nature under the concept --- coexistence of Nature and Mankind.

In line with this goal, the foundation provides funds to research activities in the areas of humanities and social sciences which pertain to above mentioned two objectives.

- **URL:** *http://matsushita-konosuke-zaidan.or.jp/en/works/research/promotion_research_01.html*

NSBRI First Award Fellowship Program

National Aeronautics and Space Administration (NASA) - National Space Biomedical Research Institute (NSBRI)

Due Date: 6/5/2015

The NSBRI First Award Program provides support for academically talented young scientists to conduct space-related biomedical or biotechnological research that supports the Institute's goals. The program offers young scientists the opportunity to manage their own space-related biomedical research project while continuing to learn from an experienced faculty mentor. **To be eligible for this program, First Award Fellows may not have more than five years (cumulative) of previous postdoctoral training as of the deadline for this proposal submission. The month and year of any previous postdoctoral experience(s) must be included in the curriculum vitae and any gaps detailed, also including the month and year. Additionally, those earning a terminal degree more than seven years ago (i.e., terminal degree conferred on or before June 5, 2008) are ineligible for this opportunity.** Participants become a part of one of NSBRI's research teams and also receive introduction to NASA Johnson Space Center's research facilities and program. NSBRI is a NASA-funded, non-profit research consortium charged with developing biomedical countermeasures and technologies for potential health problems that could occur in astronauts either during long-durationspaceflight, on exploration missions, or upon return to Earth. **NSBRI-RFA-15-01** NSBRI's current program, aligned with NASA's exploration objectives, consists of approximately 60 science and technology projects organized into seven teams:

1. Cardiovascular Alterations
2. Human Factors and Performance
3. Musculoskeletal Alterations
4. Neurobehavioral and Psychosocial Factors
5. Radiation Effects
6. Sensorimotor Adaptation
7. Smart Medical Systems and Technology

- **URL:** *http://www.nsbri.org/firstaward/*

SOCIAL & BEHAVIORAL SCIENCES

National Sexual Assault Kit Initiative (SAKI) FY 2015 Competitive Grant
U.S. Department of Justice (DoJ) – Bureau of Justice Assistance (BJA)
Due Date: 5/7/2015

The National Sexual Assault Kit Initiative (SAKI), administered by BJA, provides funding through a competitive grant program to support multidisciplinary community response teams engaged in the comprehensive reform of jurisdictions' approaches to sexual assault cases resulting from evidence found in previously unsubmitted sexual assault kits (SAKs). Unsubmitted kits (those in in police custody that have never been submitted to a crime laboratory for testing) and untested kits (those that have been submitted to crime labs but are delayed for testing for longer than 30 days, e.g., as a result of a backlog of work in the laboratory) are separate and distinct issues. The focus of this effort is on those unsubmitted kits that have never been submitted to a crime laboratory. The goal of the SAKI is the creation of a coordinated community response that ensures just resolution to these cases whenever possible through a victim-centered approach, as well as to build jurisdictions' capacity to prevent the development of conditions that lead to high numbers of unsubmitted SAKs in the future. This holistic program provides jurisdictions with resources to address their unsubmitted SAK issue, including support to inventory, test, and track SAKs; create and report performance metrics; access necessary training to increase effectiveness in addressing the complex issues associated with these cases and engage in multidisciplinary policy development, implementation, and coordination; and improve practices related to investigation, prosecution, and victim engagement and support in connection with evidence and cases resulting from the testing process. **BJA-2015-4115**

- **URL:** *https://www.bja.gov/Funding/15SAKIsol.pdf*

Research and Evaluation on Trafficking in Persons
U.S. Department of Justice (DoJ) - National Institutes of Justice (NIJ)
Due Date: 5/27/2015

This solicitation seeks applications for funding for research and evaluation projects that will address the knowledge gaps related to trafficking in persons, with clear implications for criminal justice policy and practice in the United States. NIJ has been funding research on trafficking in persons for well over a decade, and particularly appreciates proposals developed to build off of, and complement, existing research investments. NIJ's current portfolio of human trafficking research addresses the crime through such focus areas as scope, prevalence, and perpetration of the crime; effective criminal justice responses and challenges thereto; victimization experiences and how best to meet victim

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needs. Applicants should familiarize themselves with prior NIJ awards to address human trafficking and include relevant research in their literature review. **NIJ-2015-3989**

- **URL:** *https://www.ncjrs.gov/pdffiles1/nij/sl001160.pdf*

Data Resources Program: Funding for Analysis of Existing Data
U.S. Department of Justice (DoJ) - National Institutes of Justice (NIJ)
Due Date: 5/29/2015

NIJ, BJS, and OJJDP have entered into a partnership to request applications under this Data Resources Program (DRP) solicitation for original research using existing data available from the National Archive of Criminal Justice Data (NACJD) and other public sources. NIJ will manage and fund awards resulting from this solicitation. NACJD houses quantitative and qualitative data from research funded by these three agencies. The data are made available online at no cost as downloadable, machine-readable files. Copies of documentation, such as user guides and codebooks, are also available at no charge. NACJD is maintained by the Inter-University Consortium for Political and Social Research at the University of Michigan and is supported by NIJ, BJS, and OJJDP. NIJ, BJS, and OJJDP sponsor data sets covering a wide range of juvenile and criminal justice topics. Most of these data sets are available at NACJD, although some data may also be available from other agency websites. DRP is primarily intended to support secondary analysis to inform juvenile and criminal justice policy and practice in the United States. Therefore, other publicly available secondary data may also be proposed for use in research funded under this solicitation, especially if they enhance or add to NACJD by replicating or extending original findings or testing new hypotheses. This joint solicitation for DRP will give highest priority to research that addresses compelling crime and criminal justice questions involving juvenile and adult populations, and that uses NIJ, BJS, or OJJDP data at NACJD. Priority data sets and issues for each of the three agencies cooperating are outlined in the solicitation. **NIJ-2015-3974**

- **URL:** *https://www.ncjrs.gov/pdffiles1/nij/sl001159.pdf*

Project Awards
Russell Sage Foundation
Due Date: Letter of Inquiry 6/1/2015, 9/14/2015

The Russell Sage Foundation was established by Mrs. Margaret Olivia Sage in 1907 for "the improvement of social and living conditions in the United States." It now dedicates itself to that mission by sponsoring rigorous social scientific research as a means of diagnosing social problems and improving social policies. In sponsoring this research, the Foundation is dedicated to strengthening

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the methods, data, and theoretical core of the social sciences. The Foundation's awards are restricted to support for basic social science research within the following five program areas: 1) Behavioral Economics; 2) Cultural Contact; 3) Future of Work 4) Immigration; and 5) Social Inequality.

- **URL:** *http://www.russellsage.org/how-to-apply/apply-project-awards/guidelines*

NIJ 2015 Comprehensive School Safety Initiative

U.S. Department of Justice (DoJ) – Office of Justice Programs (OJP) - National Institutes of Justice (NIJ)
Due Date: 6/12/2015

The CSSI is an investment in building sound and objective knowledge to improve the safety of schools, students, and communities across the nation. The CSSI is focused on K-12 public schools (including public charter schools). The Initiative is concerned with all forms of interpersonal violence that occur on school property during or outside of school hours, on the way to and from school or school-sponsored events, on school-sponsored modes of transport, or during school-sponsored events. Interpersonal violence includes both minors and adults who perpetrate violence, are victims of violence, and are witnesses of violence. CSSI funding may support and address a wide range of school safety activities. Within the program parameters and in furtherance of the goals and objectives detailed in this CSSI solicitation, applicants have considerable discretion in determining the kinds of school safety initiatives they propose to address. For example, NIJ made 24 awards in 2014 related to topics including the following:

- School resource officer training
- Mental health and trauma-informed response
- Improved disciplinary policies
- Restorative justice
- Threat assessment using social media
- Positive behavioral interventions and supports
- Bullying prevention
- Wraparound services/comprehensive approaches
- Protecting students as they walk to and from school

NIJ-2015-4163

- **URL:** *https://www.ncjrs.gov/pdffiles1/nij/sl001161.pdf*

STUDENTS

E-Team Programs
VentureWell (formerly NCIIA)
Due Date: 5/8/2015, 2/6/2016

The VentureWell E-Team Program gives college students the chance to move new tech ideas out of the lab and classroom and into the marketplace. The three-stage program provides grant funding, experiential workshops, veteran coaching and a potential investment opportunity to help teams manifest their projects' full commercial potential.

- **Stage 1** provides funding of $5,000 to attend a three-day workshop on how to better articulate the opportunity for the innovation in the marketplace. Remaining funds may be used to support further development of the project/product.
- **Stage 2** provides additional funding of up to $20,000. In a second workshop, teams develop their business model hypotheses and plans to test them. Six monthly coaching sessions follow, helping keep teams moving forward.
- **Stage 3** Eligible Stage 2 teams may be invited to participate in Stage 3, which focuses on helping teams develop a "lens of the investor" perspective and culminates in a venture forum presentation to potential investors. VentureWell invests up to $50,000 in two to three Stage 3 teams per year.

This program is for US-based college or university student-led teams, not for individual inventors. VentureWell encourages proposals that involve students and advisors from engineering, science, business, design, and liberal arts disciplines. Strong E-Team projects consist of multidisciplinary advisors, mentors with relevant industry experience and connections, strong partnerships (required if you are working outside the US), and experiential learning opportunities. Graduate and/or undergraduate **students should serve as the entrepreneurial leaders** of a team, regardless of the origin of the idea or invention

- **URL:** *http://venturewell.org/student-grants/*

Annual Business Scholarship
GreenPal Lawncare
Due Date: 5/30/2015

GreenPal Lawncare believes that the generation of today's students are the future employers of tomorrow and that the future of the county will be forged by the entrepreneurial spirit of today's generation. GreenPal is accepting applications for the annual GreenPal Small Business Scholarship to

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assist a motivated, driven student and future business leader. One applicant will be chosen each year to receive a scholarship award of $2,000 paid equally over (four) semesters. This scholarship will be renewed each year with a new winner. The program is open to any graduating high school senior, college freshman, or sophomore who owns and operates his/her own small business or has put together a business plan to start a business while in college. In addition, applicants must be in a graduating high school's senior class in 2015 or be currently enrolled in a college of business with a 3.0 or higher GPA; demonstrate high ambition and desire to be an entrepreneur or business owner; and have a declared major in a college of business.

- **URL:** *https://www.yourgreenpal.com/scholarship*