This selected compilation of funding opportunities is provided by KUCR Proposal Services as a resource for Kansas University Researchers. We encourage you to utilize the campus subscription to Community of Science (COS) to find funding opportunities specifically tailored to your research area based on keywords you provide. COS is easy to use and offers other valuable services that are helpful to researchers. Access is available at this site: http://www.cos.com/
If you have questions regarding COS, please contact Dan Coonfield at dcoonfie@ku.edu or 864-7404.

Click on the links below to go directly to the named section
BUSINESS  INTERNATIONAL AREA STUDIES
EDUCATION  MEDICINE & LIFE SCIENCES
ENGINEERING & COMPUTER SCIENCE  PHYSICAL SCIENCES & MATHEMATICS
FINE ARTS  SOCIAL SCIENCES
HUMANITIES  MULTIPLE DISCIPLINES

BUSINESS
FY 2011 Research Design Project
United States Department of Commerce (DOC)
Due date: Aug 15, 2012 (anticipated)

Pursuant to its National Technical Assistance program, EDA seeks applications to develop and test measures, metrics, indicators, and methodologies to help the agency more effectively assess, evaluate, and report the full impact of its economic development investments on regional economies across the Nation.

The EDA's mission is to lead the federal economic development agenda by promoting innovation and competitiveness, preparing American regions for growth and success in the worldwide economy. Through its National Technical Assistance program, EDA works towards fulfilling its mission by funding research and technical assistance projects to promote competitiveness and innovation in distressed rural and urban regions throughout the United States and its territories. By working in conjunction with its national technical assistance partners, EDA will help States, local governments, and community-based organizations to achieve their highest economic potential.

EDA solicits competitive applications from organizations or consortia that will build on the agency's existing body of research and experience related to performance measurement to identify, pilot, and refine appropriate performance and outcome measures, data collection processes, and forecasting and validation methods. EDA envisions that the results of this proposed study would include a recommendation on an optimal data set that EDA could develop and use in measuring its performance. This data set could be collected and submitted by grantees
(e.g., as a condition of awarding grant funds or as a post-approval condition under an award) to
document the results of their own activities and the activities of beneficiaries, or could take the
form of an easily accessible, independent data source(s) that help inform EDA's measurement of
its own activities.

http://www.grants.gov/search/search.do?mode=VIEW&oppId=103413

FY 2011 FDI and Exports Best Practices Project
United States Department of Commerce (DOC)
Due date: Aug 15, 2012 (anticipated)

EDA’s mission is to lead the federal economic development agenda by promoting innovation and
competitiveness, preparing American regions for growth and success in the worldwide economy.
Through its Research and Evaluation program, EDA works towards fulfilling its mission by
funding research and technical assistance projects to promote competitiveness and innovation in
distressed rural and urban regions throughout the United States and its territories. By working in
conjunction with its research partners, EDA will help States, local governments, and community-
based organizations to achieve their highest economic potential.

Pursuant to its Research and Evaluation program, EDA seeks applications to investigate,
identify, and disseminate best practices regarding how regions attract foreign direct investment
(FDI) and spur the export of regional goods and services.

In today's global economy, stronger international economic partnerships are increasingly
important to ensure the health and vitality of regional economies. Whether through international
exports or FDI, these international links enable American businesses and other actors in regional
industry clusters to develop new ideas, identify new markets for goods and services, and take
advantage of new resources to grow and expand their regional economies. As such, the
development of international trade is an important part of the innovation ecosystem necessary to
foster strong economic growth.

Currently, the majority of research and knowledge pertaining to the development of export
markets and FDI focuses on individual enterprises acting within an international regulatory
framework as the main drivers of success in developing international trade. EDA, however, seeks
to understand the ways in which local and regional economic development practitioners can
harness their collective resources more effectively to assist in the development of export
markets; and subsequently, attract FDI. Economic development practitioners play an important
role in coordinating economic resources in their area, and for this reason, EDA seeks to
understand the best practices for regional economies to maximize their export potential and
attract FDI.

EDA solicits competitive applications from organizations or consortia that will build on the
existing body of research and experience to identify best practices for supporting trade and
export opportunities of regional economies in order to fuel job and business creation. EDA
solicits applications from qualified researchers to accomplish the project tasks and scope of work set out in the FDI and Exports FFO.

http://www.grants.gov/search/search.do?mode=VIEW&oppId=103434

**Economics Program**  
National Science Foundation (NSF)  
**Due date: Aug 18, 2012**

The program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.

The program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. Investigators are encouraged to submit proposals of joint interest to this program and other NSF programs and NSF initiative areas.

The program also funds conferences and interdisciplinary research that strengthens links among economics and the other social and behavioral sciences as well as mathematics and statistics.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437

**EDUCATION**  
See also opportunities listed under MULTIPLE DISCIPLINES

**Education**  
Institute of International Education (IIE)  
**Due date: Aug 01, 2012**

This award is for teaching or teaching/research in the Republic of Georgia. Applications are sought in all appropriate disciplines, but applications in the following disciplines are preferred: Education. Specializations include educational administration, curriculum development, and teaching methodologies. The grantee will teach courses in area of specialization and assist with student advising and curriculum development. Affiliation is to be determined. The U.S. Embassy will arrange host affiliation for scholars. Interpreters will be provided, if necessary.

http://catalog.cies.org/viewAward.aspx?n=3222
Chronically Low-Performing Schools Research Initiative  
United States Department of Education (ED)  
Due date: Aug 03, 2012 – LOI (Anticipated)

To increase research efforts to improve chronically low-performing schools, the Institute is launching its Chronically Low-Performing Schools Research Initiative (Low-Performing Schools Initiative). For the Low-Performing Schools Initiative, the Institute invites applications to develop interventions that target specific problems faced by chronically low-performing schools and test the promise of strategies for successfully addressing those problems within a relatively short time period. Over the five-year project period, grantees will be expected to develop and test a number of practices that principals of low-performing schools, with support from their district, could implement to improve their schools.

The Institute views this approach as distinct from comprehensive school reform strategies. That is, the purpose of this initiative is not to generate a single approach to simultaneously address all of the problems that a low-performing school faces. Rather, the purpose of this research initiative is to systematically develop and test practices that could form a menu of practices that principals, with support from their district (or districts with the support of their principals), could choose from to target specific challenges in their persistently low-performing schools.

The Institute realizes that chronically low-performing schools may require more than the strategies developed and piloted under this Initiative to fully address the causes of their persistent low performance. At the same time, the Institute recognizes that districts and principals often do not have access to research-based practices to address specific problems in their low-performing schools. By developing a set of such practices, this Initiative seeks to provide them with such options.

Although the Institute has supported research on programs, practices, and policies to improve school performance through its research programs on Middle and High School Reform and Education Policy, Finance, and Systems, the Low-Performing Schools Initiative differs from these programs in its sole focus on schools that are persistently low performing and in its structure and requirements. These differences are due to the importance of the issue, and the multiple and seemingly intractable difficulties that must be overcome to successfully address it. To improve the likelihood of developing strategies that can help improve chronically low-performing schools, the initiative includes:
- a requirement to closely collaborate with districts and low-performing schools in the development of the strategies in order to address the specific obstacles faced by and opportunities available to the schools involved;
- funding for development of strategies and their promise for improving school performance, but not for group impact evaluations of them, in order to focus efforts on strategy development which may require many iterations;
- a five-year project length in order to provide more time to address the difficult obstacles faced by such schools; and
- inter-project meetings to support the transfer of ideas on overcoming these obstacles.
For the Low-Performing Schools Initiative, each research team will focus on at least two specific problems faced by chronically low-performing schools by developing and testing the promise of practices to address these problems. The long-term outcomes of this research program will be a better understanding of the processes that contribute to low-performing schools, diagnostic frameworks that principals or districts could use to identify specific problems within their low-performing schools, and an array of practices for improving low-performing schools. The practices are those that could be implemented by a principal of a low-performing school or by a district in conjunction with the principals of low-performing schools.

The FY 2010 competition focuses on development and initial testing of the promise of practices for improving low-performing schools. Each grantee will be expected to develop and test the promise of specific practices for addressing at least two distinct problems of low-performing schools. To foster exchange among the research teams involved in the Low-Performing Schools Initiative, grantees will meet twice each year in Washington, D.C. to discuss their projects and what they are learning in addition to also attending the annual IES research conference.

Finally, a critical aspect of this initiative is the contributions of school and district partners on each research team. Too often researchers develop their interventions without collaborating with district and school personnel who have intimate knowledge of the capacity, constraints, and challenges of teachers, principals, and district staff. A requirement of the Low-Performing Schools Initiative is the inclusion of school and district staff on each research team. Applicants address the significance of the project by
- presenting a theoretical and empirical rationale for understanding chronically low-performing schools and operationalizing it into a detailed diagnostic framework for evaluating the contributing factors to low performance that is grounded in both theory and data;
- identifying and justifying at least two specific problems that will be the focus of the proposed project including the contribution solving these problems might make to improving school performance; and
- describing an example of a practice that might be employed to address one of these problems along with the theory of change underlying the use of the practice.


**Arts in Education National Program**
United States Department of Education (ED)
**Due date: Aug 15, 2012 (anticipated)**

The Arts in Education National Program supports national level high-quality arts education projects and programs for children and youth, with special emphasis on serving students from low income families and students with disabilities. This notice includes one absolute priority and one competitive preference priority. These are:
1. **Model Projects (absolute priority):** High-quality projects that are designed to develop and implement, or expand, initiatives in arts education and arts integration on a national level for pre-kindergarten-through-grade-12 children and youth, with special emphasis on serving students from low income families and students with disabilities. In order to meet this priority, an
applicant must demonstrate that the project for which it seeks funding will provide services and develop initiatives in multiple schools, school districts, and communities throughout the country.

2. Supporting Programs, Practices, or Strategies for which there are Strong or Moderate Evidence of Effectiveness (competitive priority): Projects that are supported by strong or moderate evidence. A project that is supported by strong evidence (as defined in this notice) will receive more points than a project that is supported by moderate evidence (as defined in this notice).

http://www.grants.gov/search/search.do?mode=VIEW&oppId=105373

ENGINEERING & COMPUTER SCIENCE
See also opportunities listed under MULTIPLE DISCIPLINES

Solar Electric Propulsion Demonstration Mission Concept Studies
National Aeronautics and Space Administration (NASA)
Due date: Aug 04, 2012 (anticipated)

NASA GRC intends to issue a Broad Agency Announcement (BAA) for Solar Electric Propulsion Demonstration Mission Concept Studies. Study elements will include mission justification; technology identification and maturation; mission concept of operations; launch vehicle considerations; integrated flight system conceptual design; mission cost estimate; project schedule; concepts for government and industry partnerships; and project risk identification. NASA will use the results from these studies for project planning and implementation. NASA is examining potential mission concepts for a Solar Electric Propulsion Demonstration. The flight demonstration mission will test and validate key capabilities and technologies required for future exploration elements such as 300 kW solar electric transfer vehicles. The mission cost target is approximately $200M. Higher cost options may be proposed if there is a substantial increase in benefit, but the mission cost shall not exceed $300M. Also, lower cost options may be proposed if there is substantial decrease in mission cost with modest decrease in benefits.

https://www.fbo.gov/?s=opportunity&mode=form&id=665651868584914a3012c31060328821&tab=core&_cview=1

Functional Materials
United States Department of Defense (DOD)
Due date: Aug 09, 2012

DSO is interested in research aimed at adaptive electromagnetic and optical materials, novel metamaterials, and surfaces and interfaces with unique functionality. Specific areas of interest include, but are not limited to the following:
1. Advanced electronic, photonic, and magnetic materials
2. Phase change materials
3. New polymeric materials with unique/extreme functional properties
4. Materials based on unusual elements including the semimetals and metalloids
5. Novel multi-sensor materials
6. Biologically inspired materials
7. Revolutionary armor systems
8. Predictive approaches for new material discovery
9. Materials for thermal management
10. Novel materials for direct detection of human biomarkers in an unbiased manner (without antibodies or other affinity reagents) to provide information about an individual's immunological status
11. Biocompatible materials compatible for sustained use that do not interfere or induce physiological processes and whose properties (parent or degraded) are non-toxic

https://www.fbo.gov/?s=opportunity&mode=form&id=12e5d35c7f43cad8f8e1fb9f6cd8d315&tab=core&_cview=0

Structural Materials
United States Department of Defense (DOD)
**Due date: Aug 09, 2012**

DSO is interested in leading edge research aimed at creating new materials opportunities and discoveries that might change how the military operates. The importance of materials technology to defense systems is critical and longstanding; many fundamental changes in warfighting capabilities have sprung from new or improved materials. The breadth of this impact is large, ranging from stealth to advanced aircraft/spacecraft and engines. In keeping with this broad impact, DARPA seeks innovative research in the following specific areas of interest to include, but not limited to the following:
1. High-performance polymers, metals, ceramics, and their composites
2. Ultra-lightweight materials
3. High strength fibers (e.g., carbon, polymer, ceramic)
4. Damage accumulation and fracture
5. Energy absorbing materials and structures

https://www.fbo.gov/?s=opportunity&mode=form&id=12e5d35c7f43cad8f8e1fb9f6cd8d315&tab=core&_cview=0

Power and Energy
United States Department of Defense (DOD)
**Due date: Aug 09, 2012**

DSO is interested in research that can lead to portable, efficient, and compact power technologies that increase the military's reach, decrease the logistics burden, and improve the overall efficiency of our war fighting forces, especially for distributed and net-centric operations. Specific areas of interest include, but are not limited to the following:
1. Advanced energy storage
2. Energy conversion
3. Energy harvesting
4. Micro-scale power sources
5. Novel electric and magnetic materials

Transit Climate Change Adaptation Assessment Pilots
United States Department of Transportation (DOT)
Due date: Aug 25, 2012 (anticipated)

The FTA is soliciting proposals for transit climate change adaptation assessment pilots. The pilots will fund transit agencies or partnerships with transit agencies to assess the vulnerability of transit agency assets and services to climate change hazards such as heat waves and flooding. The pilots will also assess initial adaptation strategies and link these strategies to transit agency organizational structures and activities. One of the pilots will focus on demonstrating the integration of adaptation assessment within an asset management system. Each pilot will submit to FTA a final report on the activities conducted, main findings, and applicability to other transit agencies.

Grants
Engineering Information Foundation (EiF)
Due date: Aug 31, 2012

EiF's grant activity supports developmental projects, instructional projects, and training programs in engineering education and research that fit its fields of interest. These currently include the availability and use of published information, women in engineering, and information access in developing countries. EiF may infrequently sponsor proposals that do not fit strictly within its guidelines.

FINE ARTS

Media and Film Studies, Communications
Institute of International education
Due date: Aug 1, 2012

The award is for teaching. The grantee will teach undergraduate or graduate courses in one or more of the areas of specialization, and participate in curriculum and program development and offer consultations for students and staff, as requested. There will be opportunities for collaborative research.
Applications are sought in all appropriate disciplines, but applications in the following disciplines are preferred: multimedia, media design, media art, new media, computer games, electronic literature, film theory, history of American cinema, Latin American cinema, Asian cinema, documentary film, film production, technologies, users regulation, and social implications of media/ICT, visual culture, science communication, science media, visualization in science and the humanities, intercultural communication, international media, popular culture and media

http://catalog.cies.org/viewAward.aspx？n=3242

NEA GAP: Art Works Applications, FY 2013
National Foundation for the Arts and Humanities
Due date: Aug 9, 2012

Applicants will be asked to select the outcome that is most relevant to their projects (they also will be able to select a secondary outcome). When making selections, applicants should identify the outcomes that reflect the results expected to be achieved by their project. If a grant is received, grantees also will be asked to provide evidence of those results. Art Works encourages and supports the following four outcomes:
1. Creation: The creation of art that meets the highest standards of excellence. Support is available for projects to create art that meets the highest standards of excellence across a diverse spectrum of artistic disciplines and geographic locations. Through the creation of art, these projects are intended to replenish and rejuvenate America's enduring cultural legacy.

2. Engagement: Public engagement with diverse and excellent art. Support is available for projects that provide public engagement with artistic excellence across a diverse spectrum of artistic disciplines and geographic locations. These projects should engage the public directly with the arts, providing Americans with new opportunities to have profound and meaningful arts experiences.

3. Learning: Lifelong learning in the arts. Americans of all ages acquire knowledge or skills in the arts. Support is available for projects that provide Americans of all ages with arts learning opportunities across a diverse spectrum of artistic disciplines and geographic locations. These projects should focus on the acquisition of knowledge or skills in the arts, thereby building public capacity for lifelong participation in the arts.

4. Livability: The strengthening of communities through the arts. Support is available for projects that incorporate the arts and design into strategies to improve the livability of communities. Livability consists of a variety of factors that contribute to the quality of life in a community such as ample opportunities for social, civic, and cultural participation; education, employment, and safety; sustainability; affordable housing, ease of transportation, and access to public buildings and facilities; and an aesthetically pleasing environment. The arts can enhance livability by providing new avenues for expression and creativity.

http://www.arts.gov/grants/apply/GAP13/ArtsEdAW.html
America’s Media Makers: Development Grants
National Endowment for the Humanities
Due date: Aug 17, 2012

The Division of Public Programs offers support for a wide range of public humanities programs that engage citizens in thoughtful reflection upon culture, identity and history. Projects must be well-grounded in scholarship and illuminate ideas and insights central to the humanities. Grants for America's Media Makers support projects in a range of formats, including interactive digital media and radio and television programs that engage the public in the humanities that and explore stories, ideas, and beliefs in order to deepen our understanding of our lives and our world. Projects should encourage dialogue, discussion, and civic engagement, and they should foster learning among people of all ages. To that end, the Division of Public Programs urges applicants to consider more than one format for presenting humanities ideas to the public.

NEH offers two categories of grants for media projects: Development Grants and Production Grants.

Development grants enable media producers to collaborate with scholars to develop humanities content and format and to prepare programs for production. These grants cover a wide range of activities that include, but are not limited to, meetings and individual consultations with scholars, research, preliminary interviews, preparation of program scripts, designs for interactivity and digital distribution, and the creation of partnerships for outreach activities and public engagement with the humanities. Development grants should culminate in the refinement of a project's humanities ideas, and in a script, or a design document for (or a prototype of) digital media components or projects. Development grants should also yield a detailed plan for outreach and public engagement, in collaboration with a partner organization (or organizations).

Before applying, applicants must have a solid command of the major humanities scholarship on their subject, have clarified the ideas that the project will consider, and have consulted with a team of scholarly advisers to work out the intellectual issues that the program will explore. Applicants must also have made preliminary decisions about the format and storyline and located essential materials for the program(s). Finally, they must have recruited the appropriate media professionals, especially the producer, writer, or interactive designer.

http://www.grants.gov/search/search.do?mode=VIEW&oppId=129115

HUMANITIES
See also opportunities listed under MULTIPLE DISCIPLINES

Japanese Studies in the United States
Japan-United States Friendship Commission (JUSFC)
Due date: Aug 1, 2012
The commission believes that American public understanding of Japan, as well as the close friendship between Japan and the United States, require the development and strengthening of the next generation of American area specialists on Japan, trained to a high level of linguistic and disciplinary competence, and adequately represented in both the scholarly and non-academic professions. The commission therefore devotes a large portion of its annual program budget to Japanese studies in American higher education.

The commission's mandate, however, also specifies a broad internal distribution of Japanese studies funds among faculty development and research, language training, library support and general education. The commission has sought to identify the most important areas of need, and to emphasize projects of unusual significance and maximum impact nationwide. The commission will leave to other federal agencies those activities that are expressly and adequately funded in statutory programs of those agencies.

The commission wishes to assure the continued growth and vitality of basic national resources for the study of Japan. In its library support, the commission supports projects and institutions that help organize acquisitions of research materials on a national scale and help expand access to them through both printed and electronic format. In its program of support for language training, the commission funds those institutional activities that promise the greatest national return.

The commission provides support for scholarly research in Japanese studies through grants to academic associations that can organize peer review panels to review and select individual research project proposals for support with Commission funds. Potential applicants with an individual research project proposal they wish to present to the commission are strongly urged to consult with commission staff before submitting an application.

The Commission will give higher priority to collaborative projects with some or all of the following features: an interdisciplinary approach to the research agenda; opportunities for cross-training among research team members in regional/cultural studies on the one hand and disciplinary studies on the other; opportunities for interaction of scholarly research and policy dialog; and a high degree of resource-sharing among a variety of funding organizations.

http://www.bridgingfoundation.org/

**General Grant**  
Mockingbird Foundation  
**Due date: Aug 1, 2012**

Mockingbird offers competitive grants to schools and nonprofit organizations that effect improvements in areas of importance to the Phish fan community. The programmatic focus is music education for children, defined as follows:

1. Music: Mockingbird is particularly interested in projects that encourage and foster creative expression in any musical form (including composition, instrumentation, vocalization, or improvisation), but also recognizes broader and more basic needs within conventional
Mockingbird encourages applications associated with diverse or unusual musical styles, genres, forms, and philosophies.

2. Education: Education may include the provision of instruments, texts, and office materials, and the support of learning space, practice space, performance space, and instructors/instruction. Mockingbird is particularly interested in projects that foster self-esteem and free expression, but does not fund music therapy which is neither education nor music appreciation which does not include participation.

3. Children: Mockingbird is interested in targeting children eighteen years of age or younger, but will consider projects which benefit college students, teachers, instructors, or adult students. Mockingbird is particularly (though not exclusively) interested in programs which benefit disenfranchised groups, including those with low skill levels, income, or education; with disabilities or terminal illnesses; and in foster homes, shelters, hospitals, prisons, or other remote or isolated situations.

Mockingbird's geographic focus is the U.S., with an interest in geographic diversity throughout the U.S. (Mockingbird cannot fund organizations outside the U.S.)

http://mbird.org/funding/guidelines/

Bridging Cultures Implementation Grants
National Endowment for the Humanities

Due date: Aug 2, 2012

In setting forth its vision for the National Endowment for the Humanities, Congress declared that "the humanities reflect the high place accorded by the American people to the nation's rich cultural heritage and to the fostering of mutual respect for the diverse beliefs and values of all persons and groups." To help Americans better understand their rich cultural heritage, while enhancing public knowledge of and respect for others both here and abroad, NEH has launched the Bridging Cultures initiative. The initiative encourages projects that explore the ways in which cultures from around the globe, as well as the myriad subcultures within America's borders, have influenced American society. With the aim of revitalizing intellectual and civic life through the humanities, NEH welcomes projects that expand both scholarly and public discussion of diverse countries, peoples, and cultural and intellectual traditions worldwide. As part of its Bridging Cultures initiative, NEH welcomes proposals to implement a national or regional program for broad and diverse public audiences on one of two humanities themes: "Civility and Democracy" or "The Muslim World and the Humanities."

In April 2010 NEH offered Bridging Cultures planning and implementation grants for academic forums and program development workshops on the themes of "Civility and Democracy" and "The Muslim World and the Humanities." The current grant opportunity is the second phase of the earlier program, Bridging Cultures: Planning and Implementation Grants for Academic Forums and Program Development Workshops. Applicant institutions do not need to have received a grant in the first phase. However, in order to be competitive, applicant institutions
should already have engaged in extensive planning comparable to that undertaken in the first phase of the forum and workshop program. The planning should have involved:
- consultation with a national pool of scholars with diverse intellectual perspectives and expertise in humanities disciplines and fields relevant to the theme;
- consultation with appropriate humanities practitioners, such as librarians, museum professionals, independent producers, public historians, other humanities educators, or with one or more state humanities councils; and
- collaboration between scholars and practitioners in the development of the proposed public program.

http://www.neh.gov/grants/guidelines/BridgingCulturesImplementation.html

America’s Historical and Cultural Organizations: Planning Grants
National Endowment of the Humanities
Due date: Aug 17, 2012

America's Historical and Cultural Organizations grants support projects in the humanities that explore stories, ideas, and beliefs in order to deepen our understanding of our lives and our world. The Division of Public Programs supports the development of humanities content and interactivity that excite, inform, and stir thoughtful reflection upon culture, identity, and history in creative and new ways. Grants for America's Historical and Cultural Organizations should encourage dialogue, discussion, and civic engagement, and they should foster learning among people of all ages. To that end, the Division of Public Programs urges applicants to consider more than one format for presenting humanities ideas to the public. Planning grants are available for projects that may need further development before applying for implementation. This planning can include the identification and refinement of the project's main humanities ideas and questions, consultation with scholars, preliminary audience evaluation, preliminary design of the proposed interpretive formats, beta testing of digital formats, development of complementary programming, research, or the drafting of interpretive materials. America's Historical and Cultural Organizations grants support traveling exhibitions that are presented at multiple venues; long-term exhibitions at one institution; interpretive websites or other digital formats; interpretation of historic places or areas; reading and discussion programs; panel exhibitions that incorporate complementary programming formats; and other project formats that creatively engage audiences in humanities ideas.

http://www.grants.gov/search/search.do?mode=VIEW&oppId=129114

Grants for Learning Labs in Libraries and Museums
Institute of Museum and Library Services (IMLS)
Due date: Aug 15, 2012

These grants will support the planning and designing of up to 30 Learning Labs in libraries and museums throughout the country. The Labs are intended to engage middle- and high-school youth in mentor-led, interest-based, youth-centered, collaborative learning using digital and
traditional media. Grantees will be required to participate, in-person and online, in a community of practice that will provide technical assistance, networking, and cross-project learning. Projects are expected to provide prototypes for the field and be based on current research about digital media and youth learning.

The Urban Libraries Council (ULC) and Association of Science-Technology Centers (ASTC) were selected by IMLS and the John D. and Catherine T. MacArthur Foundation to cooperatively manage the Grants for Learning Labs in Libraries and Museums program. ULC and ASTC each have designated staff who can address questions from prospective applicants and other program participants, or refer inquiries to other program staff as needed.

http://www.imls.gov/about/learning_labs.aspx

Fellowship Programs at Independent Research Institutions
National Endowment for the humanities (NEH)
Due date: Aug 17, 2012 (anticipated)

Grants for Fellowship Programs at Independent Research Institutions (FPIRI) support fellowships at institutions devoted to advanced study and research in the humanities. NEH fellowships provide scholars with research time and access to resources that might not be available at their home institutions. FPIRI grants provide funding to programs for humanities fellowships of four to twelve months. Fellowship tenure must be full time and continuous.

In evaluating applications from programs at institutions located in the United States, priority is given to those with library holdings, archives, or other special collections - either on site or nearby - that are available as resources for NEH fellows. American overseas research centers should demonstrate a particular benefit to NEH fellows by virtue of their location and other resources.

http://www.neh.gov/grants/research/fellowship-programs-independent-research-institutions

Fellowship Programs at Independent Research Institutions
National Foundation for the Arts and the Humanities
Due date: Aug 17, 2012 (anticipated)

Grants for Fellowship Programs at Independent Research Institutions (FPIRI) support fellowships at institutions devoted to advanced study and research in the humanities. NEH fellowships provide scholars with research time and access to resources that might not be available at their home institutions. FPIRI grants provide funding to programs for humanities fellowships of four to twelve months. Fellowship tenure must be full time and continuous.

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should demonstrate a particular benefit to NEH fellows by virtue of their location and other resources.

http://www.neh.gov/grants/guidelines/fpiri.html

North American Archaeology Internship
American Museum of Natural History (AMNH)
**Due date: Aug 26, 2012**

The North American Archaeology Department of the American Museum of Natural History offers Lab Researcher Internship positions for undergraduates, recent graduates, and graduate students.

The North American Archaeology Lab (NAARCH Lab) handles, stores, and analyzes a wide variety of artifacts from southeastern North America. Lab researchers have had the opportunity to work with faunal remains, lithics, Native American and European ceramics, Spanish colonial material culture, and a large number of other material culture types. Lab work typically consists of washing, cataloging, and organizing recent collections as well as data management.

Additional projects have involved fine-grained sorting of excavated materials, non-destructive analysis using PXRF, and basic level artifact analysis and documentation. In addition to lab work, researchers will also be considered to take part in our ongoing fieldwork program in Georgia, USA (offered only for the fall and spring semester programs).

http://research.amnh.org/anthropology/about/internship

INTERNATIONAL AREA STUDIES
See also opportunities listed under HUMANITES and MULTIPLE DISCIPLINES

Canada-US Fulbright Visiting Research Chairs Program
Foundation for Educational Exchange Between Canada and the United States
**Due date: Aug 1, 2012**

The purpose of the Canada-U.S. Fulbright Program is to enhance the study of Canada in the United States and the study of the United States in Canada, and to encourage and broaden research efforts in the broad range of subjects pertaining to the relationship between Canada and the United States. Proposed projects must include a focus on the United States, Canada, or the relationship between the two countries.

Fulbright Visiting Chair Awards are intended to encourage collaboration among Canadian and American scholars and facilitate the development of long-term institutional linkages between the two countries. Scholars apply to fill a specific position associated with a particular field identified by the Canada-U.S. Fulbright Program and the host institution.
While the competition is officially "field open", applications in the following areas are especially welcome: comparative public policy; public health; international trade; North American integration; security; communications; culture; ecology and the environment; indigenous issues; law; border issues; Canada-U.S. relations; Canadian studies; and, American studies. All applicants are required to demonstrate the relevance of their project to the Program.

http://www.fulbright.ca/programs/canadian-scholars/visiting-chairs-program-can.html

Fulbright-Stiftung Wissenschaft und Politik, Research in International Politics
Institute of International Education
Due date: Aug 1, 2012

This grant is for research in the areas of European integration and enlargement and European and Atlantic security and global issues. Opportunities exist for occasional lecturing. Applications are sought in all appropriate disciplines, but applications in the following disciplines are preferred: American Studies, Political Science. Specializations include international politics and security issues. Grant activity will take place at the Stiftung Wissenschaft und Politik (SWP), German Institute for International and Security Affairs. The SWP is an independent research institute that advises the German government on foreign policy. The cooperation between the Fulbright Program and the SWP is meant to strengthen academic ties in common fields of interest. All necessary research facilities will be provided.

http://catalog.cies.org/viewAward.aspx?n=3230

Social Sciences
Institute of International Education
Due date: Aug 1, 2012

This award is for teaching or teaching and research. The grantee will teach graduate courses, work on student advising and curriculum development, and provide seminars for faculty. Applications are sought in the following specializations: international relations/political science; expertise in strategic studies research and foreign affairs is welcome, but not required; international and European studies. The award will take place at the University of Piraeus, Piraeus.

http://catalog.cies.org/viewAward.aspx?n=3234

International Relations or Political Science
Institute of International Education
Due date: Aug 1, 2012

This award is for teaching in the discipline of Political Science. Specializations include the following: American foreign policy, international economic relations and theory, economic relations, security studies, political theory, political sociology, comparative politics, transatlantic
relations, NATO, European studies, the EU and integration, regional studies, decision-making theory, world history, Middle East conflict, peace and conflict resolution, global environmental problems, politics and religion, electoral studies and political behavior.

The grantee will teach undergraduate courses or seminars for students and specialists interested in international relations, political systems, international economic issues and Polish and world history. There is a special interest in European studies and the EU. Applications are welcome from specialists in political science, history, economics, and law. Affiliation is to be determined, but the applicant may indicate preference.

http://catalog.cies.org/viewAward.aspx?n=3306

**DAAD/AICGS Research Fellowship Program**

American Institute for Contemporary German Studies (AICGS)

**Due date: Aug 31, 2012 (anticipated)**

The DAAD/AICGS Research Fellowship Program, funded by a generous grant from the Deutscher Akademischer Austauschdienst (DAAD), is designed to bring scholars and specialists working on Germany, Europe, and/or transatlantic relations to AICGS for research stays of two months each. Project proposals should address a topic closely related to one or more of the Institute's three research and programming areas:

1. Business and Economics
2. Foreign and Domestic Policy
3. Society, Culture, and Politics

Special consideration will be given to research projects addressing the institute's current and future project emphases within these areas. Projects should also be compatible with and supportive of the AICGS mission, which is to strengthen the German-American relationship in an evolving Europe and changing world. The Institute produces objective and original analyses of developments and trends in Germany, Europe, and the United States; creates new transatlantic networks; and facilitates dialogue among the business, political, and academic communities to manage differences and define and promote common interests.

http://www.aicgs.org/fellows/opps/daad.aspx

**MEDICINE & LIFE SCIENCES**

See also opportunities listed under MULTIPLE DISCIPLINES

**Thome Foundation Alzheimer's Disease Drug Discovery Research Funding**

The Medical Foundation

**Due date: June 15, 2012**
The Edward N. & Della L. Thome Memorial Foundation was created in 2002 to advance the health of older adults through the support of direct service projects and medical research on diseases and disorders affecting older adults. In keeping with the Foundation's mission, we are pleased to announce the Awards Program in Alzheimer's disease (AD) research. The goal of the 2012 Awards Program is to support pilot studies towards innovative drug discovery research that will lead to improved therapies for individuals suffering from Alzheimer's disease.

http://www.hria.org/tmfservices/thomead.html

**Armed Forces Institute of Regenerative Medicine – II (AFIRM II)**  
Department of Defense  
**Due date: July 2, 2012 (LOI)**

The U.S. Army Medical Research and Materiel Command (USAMRMC), with the Office of Naval Research (ONR), the Air Force Medical Service, the Office of Research and Development - Department of Veterans Affairs (VA), the National Institutes of Health (NIH), and the Office of the Assistant Secretary of Defense for Health Affairs (the Sponsors) are soliciting applications for the AFIRM II program. The AFIRM II program is anticipated to be funded in Fiscal Year 2013 (FY13).

One of the goals of the program is to position promising technologies and therapeutic/restorative practices for entrance into human clinical trials. The intent of the AFIRM II program is to fund basic through translational regenerative medicine research and development. Activities acceptable under this award may include basic scientific research, development of animal models, preclinical studies required for initiation of FDA-regulated human clinical trials, and Phase I – II human clinical trials. Therefore, it is not the intent to fund human clinical trials as a major component of this program. Pending the availability of funds, it is anticipated that additional human clinical trials will be solicited, evaluated, selected, and funded separately from the AFIRM II program in open competition.


**Biological Oceanography**  
National Science Foundation (NSF)  
**Due date: Aug 15, 2012**

This program supports research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program for consideration are often interdisciplinary efforts that may include participation by other OCE Programs.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11696
Legacy Program Research Grants
Uniting Against Lung Cancer (formerly Joan's Legacy)
Due date: Aug 17, 2012 (anticipated)

In 2011, the Foundation is prioritizing innovative, high risk/high reward research. Uniting Against Lung Cancer aims to jumpstart new projects leading to improved treatments and a cure for lung cancer, including non-small cell and small cell lung cancer. Proposals do not require large amounts of preliminary data, but must have a clear hypothesis and research plan to be completed within the two year grant term.

This funding is intended primarily as seed money for promising and potentially transformative new projects, rather than funding well-developed clinical projects that already receive considerable support. However, high risk/high reward add-on studies leveraging larger ongoing projects, or pre-existing data-sets, clinical samples, etc. are of interest.

Funding priorities include:
1. Innovation - the Foundation is especially interested in novel, game-changing ideas with potential to make a significant impact on current treatment of lung cancer and patient survival, and to find therapies that will add years, rather than months, to patient survival. Creative, out-of-the-box thinking and cross-discipline collaborations are strongly encouraged.
2. Translational Science - the Foundation has placed high priority on funding research that has a clear path to clinical application and/or therapeutic development. Proposals for basic science are greatly aided by a forward-looking research plan outlining clinical potential. Collaborations with industry partners are also strongly encouraged; however the Principal Investigator is required to be an academic researcher.
3. Career Tracks - UALC is dedicated to bringing new researchers into the field of lung cancer. In addition to funding the highest quality science, the Foundation has prioritized providing start-up funds for early-career investigators to build the foundation for a lung cancer research program. Investigators at all levels will be funded through the Legacy Program and are encouraged to apply.

http://www.unitingagainstlungcancer.org/research/programs/fundingopps

Novel Biomarkers to Accelerate Drug Discovery for Frontotemporal Dementias (ADDF-AFTD)
Alzheimer's Drug Discovery Foundation (ADDF)
Due date: Aug 25, 2012 (anticipated) letter of intent

Drug discovery for frontotemporal dementias (FTD) and spectrum disorders has been hindered by the heterogeneity of the disease. FTD-specific biomarkers that reflect pathological and clinical differences are needed to select appropriate patients for clinical trials and monitor responses to investigational treatments. ADDF and The Association for Frontotemporal Degeneration (AFTD) challenge scientists to meet this unmet medical need by submitting applications through this Request for Proposals (RFP).
The ADDF and AFTD are particularly interested in:
- Defining and validating clinical outcomes for FTD subpopulations for use in clinical trials
- FTD-relevant imaging agents
- CSF- and plasma-based assays
- TDP-43 and tau-focused biomarkers specifically relevant to FTD populations

http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities

Career Catalyst Research (CCR) Grants
Komen for the Cure, Susan G.
Due date: Aug 30, 2012 (anticipated) pre-proposal

Career Catalyst Research (CCR) Grants are intended to foster increased research independence of promising breast cancer researchers who are in the early stages of their faculty careers. These grants provide support for research projects that have significant potential to advance our understanding of breast cancer and lead to reductions in breast cancer incidence and/or mortality within the next decade.

For the 2011-2012 Annual Research Areas, appropriate research projects include, but are not limited to, the following areas: breast cancer biology; genetics; molecular/genetic epidemiology; prevention; detection; risk assessment; biomarkers of risk, disease burden, and/or treatment response or resistance; novel therapeutics; lifestyle interventions with the potential to affect disease outcomes (e.g., incidence and/or mortality); research seeking to understand the biologic, behavioral, and social causes of disparities in breast cancer outcomes across population groups or identify, validate and test health services and public health interventions that address the causes of disparities in care and outcomes; and novel approaches that enhance understanding of the breast cancer disease process.

Applications proposing research that does not have significant potential to lead to reductions in breast cancer incidence and/or mortality within the next decade will be administratively withdrawn from consideration and will not be reviewed or scored.

Applicants must propose a Career Development Plan (CDP) to illustrate the applicant's career goals and how they intend to develop the skills and experience necessary to achieve career advancement during the grant term. The plan should also describe how the applicant will sustain research independence beyond the grant term. While a CCR Grant is intended to be an independent grant to the applicant, applicants must form a CCR mentor committee upon funding. The primary purpose of the mentor committee is to provide the research, scientific, clinical, management, and leadership guidance necessary to foster the applicant's career advancement. At least one mentor committee member must be at the same institution as the PI and serve as the onsite representative for the entire mentor committee. All members of the mentor committee must provide a letter of support at the time of full application submission describing their role and commitment to advancing the career independence of the applicant.

http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
**Predoctoral Research Training Fellowship**  
Epilepsy Foundation of America  
**Due date: Aug 31, 2012 (anticipated)**

The purpose of the fellowship is to support predoctoral students with dissertation research related to epilepsy, thus strengthening their interest in establishing epilepsy research as a career direction. Students will work under the guidance of a preceptor with expertise to supervise in the area of epilepsy investigation. Applications from all fields of research pertinent to epilepsy will be considered. Areas of interest considered include, but are not limited to neuroscience, physiology, pharmacology, psychology, biochemistry, genetics, nursing, and pharmacy. Research must be conducted within the United States and its territories.


**PHYSICAL SCIENCES & MATHEMATICS**  
See also opportunities listed under MULTIPLE DISCIPLINES

**United States Air Force Resident Research Associateship (USAF-RC/RRA) Program**  
United States Department of Defense (DOD)  
**Due date: Aug 01, 2012**

The Resident Research Associateship (RRA) Program offers postdoctoral and senior scientists and engineers opportunities to perform research at sponsoring Air Force laboratory sites. The objectives of the program are to provide researchers of unusual promise and ability opportunities to solve problems, largely of their own choice, that are compatible with the interests of the hosting laboratories; and to contribute to the overall efforts of the Air Force laboratories.


**Physics of Nano-Materials and Devices**  
United States Department of Defense (DOD)  
**Due date: Aug 09, 2012**

DSO is interested in innovative fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest). Research topics of interest include, but are not limited to the following:
1. Nanostructured optical components enabling novel wavefront control
2. Interaction of materials with their environment
3. Unique material properties and capabilities available at the micro- and nanoscale
4. Technologies for fabrication of particles and functional structures in the nano- and micro-to-millimeters size range, with arbitrary geometry
5. Methods for precise measurement of forces and fields that lend themselves to deployment on mobile platforms (e.g., atom interferometry)
6. New methods to achieve precise molecular recognition
7. Integrated methods for continuous sampling of biofluids to monitor human physiological processes

https://www.fbo.gov/?s=opportunity&mode=form&id=12e5d35c7f43cad8f8e1fb9f6cd8d315&tab=core&cview=0

Basic Mathematics Research
United States Department of Defense (DOD)
Due date: Aug 09, 2012

DSO is interested in fundamental mathematical research to build the foundation for advanced science and technology programs, as well as applied and computational mathematics that will help ensure continued technical superiority. Specific areas of interest include, but are not limited to the following:
1. Algorithms
2. Geometric and topological methods
3. Combinatorics
4. Graph theory and network analysis
5. Probability and stochastic processes
6. Inverse methods
7. Multi-resolution analysis
8. Advanced computation, including theoretical and experimental efforts to understand and surpass the limits of current computing paradigms
9. Novel approaches for determining and/or predicting an individual's immunological status by continuously monitoring a biological network that considers variables such as quantified expression levels, simultaneous expression ratios of multiple biomarkers, periodicity and time

https://www.fbo.gov/?s=opportunity&mode=form&id=12e5d35c7f43cad8f8e1fb9f6cd8d315&tab=core&cview=0

Lasers and Photonics
United States Department of Defense (DOD)
Due date: Aug 09, 2012

DSO is interested in basic research in lasers, including novel laser architectures and applications. Specific areas of interest include, but are not limited to the following:
1. Sources, detectors, and components enabling novel imaging modalities
2. Novel laser implementations including operation in Medium Wave Infrared (MWIR), Low Wave Infrared (LWIR), visible, Ultraviolet (UV), and X-ray spectral ranges
3. Modeling for next-generation laser design
4. Photonic-based bio/chemical sensing and processing
5. Integrated optical Nanoelectromechanical Systems (NEMS)/Microelectromechanical Systems (MEMS) concepts
6. Methods of high fidelity measurements of optical signals (e.g., single photon detection, optical waveform characterization, coherent image processing)
7. Photonics-based approaches for multiplexed and direct analysis of human biofluids for nucleic acid and protein biomarkers

https://www.fbo.gov/?s=opportunity&mode=form&id=12e5d35c7f43cad8f8e1fb9f6cd8d315&tab=core&_cview=0

**Chemical Oceanography Program**
National Science Foundation (NSF)
**Due date: Aug 15, 2012**

The program supports research into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere. Major emphases include studies of material inputs to and outputs from marine waters; orthochemical and biological production and transformation of chemical compounds and phases within the marine system; and the determination of reaction rates and study of equilibria. The program encourages research into the chemistry, distribution, and fate of inorganic and organic substances introduced into or produced within marine environments including those from estuarine waters to the deep sea.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11698

**Marine Geology and Geophysics**
National Science Foundation (NSF)
**Due date: Aug 15, 2012**

The program supports research on all aspects of geology and geophysics of the ocean basins and margins, as well as the Great Lakes. The program includes
- structure, tectonic evolution and volcanic activity of the ocean basins, the continental margins, the mid-ocean ridges, and island arc systems;
- processes controlling exchange of heat and chemical species between seawater and ocean rocks;
- genesis, chemistry, and mineralogic evolution of marine sediments;
- processes controlling deposition, erosion, and transport of marine sediments;
- past ocean circulation patterns and climates; and
- interactions of continental and marine geologic processes.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11726
Physical Oceanography Program  
National Science Foundation (NSF)  
**Due date: Aug 15, 2012**

This program supports research on a wide range of topics associated with the structure and movement of the ocean, with the way in which it transports various quantities, with the way the ocean's physical structure interacts with the biological and chemical processes within it, and with interactions between the ocean and the atmosphere, solid earth and ice that surround it.


Geography and Spatial Sciences (GSS) Program - Regular Research Proposals  
National Science Foundation (NSF)  
**Due date: Aug 15, 2012**

The goals of the GSS Program are  
- to promote scientific research in geography and the spatial sciences that advances theory and basic understanding and that addresses the challenges facing society;  
- to promote the integration of geographers and spatial scientists in interdisciplinary research;  
- to promote education and training of geographers and spatial scientists in order to enhance the capabilities of current and future generations of researchers; and  
- to promote the development and use of scientific methods and tools for geographic research

The GSS Program sponsors research on the geographic distributions and interactions of human, physical, and biotic systems on the Earth's surface. Investigations are encouraged into the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects on a variety of topics (both domestic and international) qualify for support if they offer promise of contributing to scholarship by enhancing geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. GSS encourages projects that explicitly integrate undergraduate and graduate education into the overall research agenda.

Proposals submitted for consideration by the GSS Program tend to be most competitive if the research is grounded in relevant geographical theory, if it focuses on one or a few core questions grounded in the theoretical framework that has been established, if it articulates how scientifically sound methods will be used to explore the validity of answers to the core questions, and if the results are likely to contribute not only specific answers to those specific questions but also to the enhancement of broader geographic and/or spatial scientific theory. The project can draw on and contribute to theory in other fields, too, but to obtain at least some funding from GSS, efforts should be made to enhance fundamental geographic theory, and the investigators should plan to disseminate their results through presentations and publications for geographers and spatial scientists as well as other relevant communities.

Focused Research Groups in the Mathematical Sciences (FRG)
National Science Foundation (NSF)
Due date: Aug 17, 2012 (letter of intent)

The purpose of the FRG activity is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. Groups may include, in addition to mathematical scientists, researchers from other science and engineering disciplines appropriate to the proposed research. The activity supports projects for which the collective effort by a group of researchers is necessary to reach the scientific goals. Projects should be scientifically focused and well-delineated. It is not the intent of this activity to provide general support for infrastructure. Projects should also be timely and substantial in their scope and impact.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5671

Outer Planets Research
National Aeronautics and Space Administration (NASA)
Due date: Aug 24, 2012 (letter of intent)

The Outer Planets Research (OPR) program supports diverse scientific investigations that contribute to the understanding of the outer Solar System, including the giant planets, their satellites, and smaller solid bodies including comets, asteroids, and Kuiper Belt objects. The program includes both data analysis from NASA missions and fundamental research. The objectives of the OPR program include:
- enhancing the scientific return from the New Horizons, Cassini, Galileo, Voyager, and Pioneer missions by continuing the analysis of their respective data sets through broadened scientific participation;
- improving our understanding of the evolution of the outer Solar System, including the giant planets, their satellites, and other small bodies; and
- defining the dynamical processes operating in the outer Solar System.

Investigators may propose tasks that involve one or more of the following activities that support the program goals above:
- development of basic theory, laboratory studies, and/or modeling relevant to the interpretation of mission data listed above or the evolution and dynamics of giant planets, their satellites, and other small bodies in the outer Solar System;
- additional analysis of ground-based observations of asteroids, comets, and outer planets and their satellites funded by the Planetary Astronomy program;
- correlative analyses that combine data from the Planetary Science Division's outer planets missions (New Horizons, Cassini, Galileo, Voyager, and Pioneer), the Planetary Astronomy program, and other sources; and/or
- research that seeks to place the results of these outer planets missions in a larger context of processes and evolution of bodies in the outer Solar System.
Each proposal must describe a complete scientific investigation organized in terms of unresolved scientific questions to be addressed; objectives of the research; lines of inquiry, methodology, and analysis; and conclusions. Tasks involving the refinement of mission datasets or the creation of new data products are appropriate as long as such tasks support a broader scientific investigation driving the proposal. Investigations are expected to result in one or more peer-reviewed publications. Investigations that generate data products useful to the broader scientific community are encouraged to include plans in their proposals to make those products easily available (via the Planetary Data System (PDS) or by other appropriate means) by the end of the funding period.

The use of flight mission data in proposed investigations from the New Horizons, Cassini, Galileo, Voyager, and Pioneer missions, which were led by the Planetary Science Division, is explicitly supported. However, missions led by other divisions of NASA have produced data valuable to the exploration of the Outer Solar System. These missions include, but are not limited to, Ulysses, which has studied Jupiter's magnetosphere, as well as the heliosphere; the Solar and Heliospheric Observatory (SOHO) mission, which has successfully observed dozens of Sun-grazing comets; and the Far Ultraviolet Spectroscopic Explorer (FUSE) mission, which supported research of objects in the outer Solar System (listed under OPR objectives above). Investigators wishing to use data from nonsupported division sources must demonstrate that the inclusion of these data sets significantly enhances tasks supported by OPR (as listed above). Investigators proposing correlative analyses using data from Planetary Science Division missions (New Horizons, Cassini, Galileo, Voyager, and Pioneer) with other mission data sources (Ulysses, SOHO, and FUSE) should clearly describe the rationale driving the use of the data and the source of the data.


SOCIAL SCIENCES
See also opportunities listed under HUMANITIES; INTERNATIONAL AREA STUDIES; and MULTIPLE DISCIPLINES

Investigator-Initiated Research Grants
William T. Grant Foundation
Due date: Aug 1, 2012
The Foundation supports high-quality research that addresses its Current Research Interests: enhancing our understanding of how youth settings work, how they affect youth development, and how they can be improved; and when, how, and under what conditions research evidence is used in policy and practice that affect youth, and how its use can be improved.

The Foundation's goal is to fund high-quality research to understand and improve the everyday settings of youth ages 8 to 25 in the United States. The Foundation defines settings as the social environments in which youth experience daily life. These settings include environments with
clear boundaries such as classrooms, schools, and youth-serving organizations and environments with less prescribed boundaries such as neighborhoods or other settings in which youth interact with peers, family members, and other adults. At their best, these settings embed youth within a network of engaging activities; ample resources; meaningful relationships with adults and peers; and opportunities for academic, social, emotional, and identity development.

The proposed project must be consistent with the Foundation's Current Research Interests and must address issues that have compelling relevance for theory, policy, and/or practice affecting the settings of youth ages 8 to 25 in the United States.

http://www.wtgrantfoundation.org/funding_opportunities/research_grants/investigator_initiated_grants

Science, Technology and Society (STS)
National Science Foundation NSF
Due date: Aug 1, 2012

STS considers proposals for scientific research into the interface between science (including engineering) or technology, and society. STS researchers use diverse methods including social science, historical, and philosophical methods. Successful proposals will be transferrable (i.e., generate results that provide insights for other scientific contexts that are suitably similar). They will produce outcomes that address pertinent problems and issues at the interface of science, technology and society, such as those having to do with practices and assumptions, ethics, values, governance, and policy.

STS provides a range of funding opportunities designed to support the full spectrum of research, educational, and scholarly activities undertaken by scholars working on science, technology and society. The title of the FastLane application must identify the mode of support being requested. Modes of support include the following:

1. Standard Research Grants and Grants for Collaborative Research: These grants support proposals for basic research or infrastructure development. 2. Scholars Awards and Postdoctoral Fellowships: Scholars Awards provide up to full-time release for an academic year and a summer to conduct basic research. 3. Conference/Workshop Support: These proposals should be prepared in accordance with the NSF Grant Proposal Guide and the additional information below. STS can help to support national and international conferences, symposia, and research workshops that promote new research networks between researchers in STS and scientists and engineers, or between STS scholars and members of scholarly communities not normally in contact with each other. 4. Doctoral Dissertation Research Improvement Grants: These awards provide funds for dissertation research expenses not normally available through the student's university.

The STS program may provide supplemental funding to existing awards in order to create research experiences for undergraduates (REU) having to do with ethics and values in science. The STS Program participates in most Foundation-wide initiatives, such as CAREER,
ADVANCE, MRI, and such specially-focused research efforts as Ethics Education in Science and Engineering (EESE) and Nanoscale Science and Engineering (NSE).

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5324

**General Research Grant**
Sociological Initiatives Foundation  
**Due date: Aug 15, 2012**

The Foundation was established to support research that furthers social change, including language learning and behavior and its intersection with social and policy questions. The Foundation specifically supports research that focuses on:
- social policy objectives;
- institutional and educational practices;
- legislative and regulatory changes;
- linguistic issues (e.g., literacy, language loss and maintenance, language policy, language and national security, bilingualism, language and gender, language and law, language disabilities, language and health, language and education, different language cultures); and
- development of community capacity and organization of previously unorganized groups.

The Foundation supports projects that address institutional rather than individual or behavioral change. It seeks to fund research and initiatives that provide insight into sociological and linguistic issues that may be useful to specific groups and or communities. The Foundation looks for projects that have an explicit research design and a concrete connection to public or community impact. It is not enough to just write a report or add a focus group to a social change project. The research should ideally build an organization or constituency's potential to expand public knowledge, impact policy, and create social change. Preference is given to providing support in areas that tend to be underfunded and for projects of a size where a SIF grant can make a difference. The geographic focus is limited to the United States and its territories.

http://www.sifoundation.org/

**Decision, Risk and Management Sciences (DRMS)**
National Science Foundation (NSF)  
**Due date: Aug 18, 2012**

The program supports scientific research directed at increasing the understanding and effectiveness of decision making by individuals, groups, organizations, and society. Disciplinary and interdisciplinary research, doctoral dissertation research, and workshops are funded in the areas of judgment and decision making; decision analysis and decision aids; risk analysis, perception, and communication; societal and public policy decision making; management science and organizational design. The program also supports small grants that are time-critical (Rapid Response Research - RAPID) and small grants that are high-risk and of a potentially transformative nature (EARly-Concept Grants for Exploratory Research - EAGER).
MULTIPLE DISCIPLINES

RFLOI: Reinvent the Toilet Challenge (Round 2)
The Bill & Melinda Gates Foundation
**Due Date: May 10, 2012 (LOI)**

The Sanitation Challenge
A large share of the solids and liquids people eat and drink are passed on in urine and feces. Human waste contains potentially valuable and recyclable resources such as water, energy, urea, salts, and minerals. It also consists of large amounts of useful as well as harmful microorganisms, mostly bacteria, as well as pathogens ranging in size from viruses to helminthes. Many diseases are passed on from person to person through the fecal-oral pathway—pathogens in one person’s waste end up ingested by another. For some diseases, this is the primary transmission pathway; for others, it is one of several transmission pathways. Human waste also contains residues of the many complex, engineered chemicals people use, such as food additives, antibiotics, hormones, and nutritional supplements, some of which remain in the environment and result in unsafe accumulation in waste sinks.

Water, Sanitation & Hygiene Program
The Bill & Melinda Gates Foundation works with a wide range of partners through its Water, Sanitation & Hygiene program to reduce the burden of excreta-related disease and improve the lives of the poor. Our approach aims to expand the use of toilet and sanitation technologies that do not connect to a sewer, as this is by far the most common type used by the poor. We invest in effective approaches that help end open defecation and unsafe sanitation in rural communities, and we help develop the tools and technologies that will allow the urban poor access sustainable non-piped sanitation.

Request for Letters of Inquiry
The Water, Sanitation & Hygiene Program will be disbursing a set of new grants to support its Reinvent the Toilet Challenge. These grants are intended for exceptionally highly-qualified research groups interested in contributing to major advances in sanitation and hygiene in the developing world.


Methodology, Measurement, and Statistics (MMS)
National Science Foundation (NSF)
**Due date: Aug 16, 2012**

The Methodology, Measurement, and Statistics (MMS) Program is an interdisciplinary program in the Social, Behavioral, and Economic Sciences that supports the development of innovative analytical and statistical methods and models for those sciences. MMS seeks proposals that are
methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences. As part of its larger portfolio, the MMS Program partners with a consortium of federal statistical agencies to support research proposals that further the development of new and innovative approaches to surveys and to the analysis of survey data.

The MMS Program supports a variety of different types of awards, including:
1. Regular Research Awards
2. Mid-Career Research Fellowships
3. Doctoral Dissertation Research Improvement Grants
4. Research Experience for Undergraduates (REU) Supplement

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5421

**Nonproliferation Research and Development for Proliferation Detection**
United States Department of Energy (DOE)

**Due date: Aug 25, 2012 (anticipated)**

The U.S. Department of Energy (DOE), National Nuclear Security Administration's (NNSA) Office of Nonproliferation Research and Development (NA-22) is soliciting applications for the research and development needs described herein. NA-22 has the responsibility to improve national capabilities to detect indicators of weapons of mass destruction (WMD) proliferation. Accordingly, NA-22 invites applications for basic and applied research that will result in new technologies that advance national means to detect and monitor foreign nuclear weapons proliferation.

This FOA is limited to the NA-22 Office of Proliferation Detection (PD), which encompasses technology development for the early detection of nuclear proliferation by national, sub-national, and trans-national entities. The program focuses on the detection and assessment of activities indicative of the clandestine development and transport of special nuclear material, fabricated components, and weapons. The NA-22 applies the unique skills and capabilities of the NNSA and DOE national laboratories and facilities to meet the nonproliferation research and development (R&D) requirements necessary to close nonproliferation technology gaps identified through close interaction with other U.S. government agencies and in support of U.S. government policy.

It is the intent of this announcement to increase the participation of academia in the PD programs thereby broadening their R&D sources and diversifying the types of organizations working on its programs. PD develops the tools, technologies, techniques, and expertise to address the most challenging problems related to detection, localization, and analysis of the global proliferation of weapons of mass destruction with special emphasis on nuclear weapon technology and the diversion of special nuclear materials. In addition, PD funds research that supports counter-proliferation and counter-terrorism missions where there is synergy with the nonproliferation mission.

Research is being sought in the following topic areas:
5. Topic 5: Global Safeguards: 5a. Safeguards measurement and sensor technology; 5b. Safeguards data and information management

http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=47838

Research and Demonstration of Innovative Drinking Water Treatment Tech. in Small Systems
United States Environmental Protection Agency (EPA)
Due date: Aug 25, 2012 (anticipated)

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing to conduct research necessary to identify, develop and demonstrate novel and innovative treatment technologies and approaches for small public drinking water systems. Successful technologies should be robust, sustainable and be able to treat or mitigate groups of contaminants or contaminant precursors in drinking water sources and systems. EPA is seeking new, or innovative, modifications of existing treatment technologies that can perform significantly better than current technologies. These technologies may include those which are used to retrofit or augment existing treatment trains; treatment practices or technologies aimed at contaminant or contaminant precursor reduction in source waters; and technologies used within the distribution system including point-of-use (POU) devices. Identifying technologies that have the potential to be "game-changing" may involve considering national and international sources as well as considering input from those who have not traditionally participated in environmental conversations, including Minority Academic Institutions (MAIs).

Projects that foster partnerships and research and demonstration collaborations with small drinking water systems, state primacy agencies, and water centers/clusters are strongly encouraged under this solicitation. For purposes of this solicitation, water clusters/centers refer to regional technology innovation clusters that are geographic concentrations of interconnected firms (businesses, suppliers, and service providers) and supporting institutions (local government, business chambers, universities, investors, and others) that work together in an
organized manner to promote economic growth and technological innovation. Please carefully review section IV. D. of this announcement before naming a for profit firm or individual consultant as a collaborator, partner or any other relationship involving the use of EPA funds to compensate the firm or individual.


Cognitive Neuroscience Program
National Science Foundation (NSF)
Due date: Aug 27, 2012

This program seeks highly innovative and interdisciplinary proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior, including how such processes develop and change in the brain and through time.

The following funding opportunities are available under this program:
1. Individual Investigator Research Projects. Many research topics are studied most effectively by individual research scientists or by small teams of collaborating investigators. Investigators are invited to submit proposals that focus on cognitive neuroscience topics.
2. Workshops. Workshops will be supported that bring together diverse scientific partners around specific topics. Meetings will be focused on topics that can benefit from intensive small group discussions.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5316