ARTS, HUMANITIES AND INTERNATIONAL

• National Endowment for the Humanities (NEH); Division of Preservation and Access: National Digital Newspaper Program

Notice seeking applications to participate in the National Digital Newspaper Program (NDNP) to create a national digital resource of historically significant newspapers published between 1836 and 1922. Applications are due January 15, 2015. NEH intends to support one award in each U.S. state or territory, with priority given to new projects in states that have not yet been funded. NEH expects to award cooperative agreements of up to $325,000 each for a two-year period.

Links: Solicitation, Grants.gov

• U.S. Department of Interior (DOI); National Park Service (NPS): FY 2015 NAGPRA Grant Program

Notice seeking applications for Consultation/Documentation grants and Repatriation grants. Consultation/Documentation grants are Project-based and meant to support the efforts of museums, Indian tribes and Native Hawaiian organizations to consult and document Native American Graves Protection and Repatriation Act (NAGPRA) related human remains and cultural items in non-federal collections. Repatriation grants defray costs associated with the packaging, transportation, contamination removal, reburial and/or storage of NAGPRA-related human remains and/or cultural items. Consultation/Document grant applications are due March 11, 2015. Awards ranging from $5,000 to $90,000 are available. Repatriation Grant applications are accepted on a rolling basis until June 1, 2015. Awards of up to $15,000 are available. Eligibility is limited to Museums with possible NAGPRA collections, Indian tribes, and Native Hawaiian organizations as defined in NAGPRA, but opportunities exist for collaboration with colleges and universities not associated with the above.

Links: Grants.gov

• U.S. Department of State (DOS); Bureau of Democracy, Human Rights and Labor (DRL): Promoting Democracy and Rule of Law in Europe

Notice seeking applications for two projects. The goal of Connecting Political Parties with Civil Society is to connect Belarusian political parties with civil society groups in the Belarusian regions to allow political parties to better understand and address the needs of their constituencies. The goal of Increasing Transparency and Countering Corruption is to build the capacity of civil society and the media in Ukraine to advocate for reforms that target corruption and increase government transparency, as well as to hold the new government accountable for implementing anti-corruption measures. Applications are due November 13, 2014. Applicants may submit up to two applications, one for each country/theme. Application budgets may not be less than $300,000 or more than $500,000.

Links: Solicitation, Grants.gov

• U.S. Department of State (DOS); Bureau of Educational and Cultural Affairs (ECA): Official U.S. Presentation at the 15th International Architecture Exhibition

Notice seeking proposals to organize the official U.S. presentation at the 15th International Architecture Exhibition to be held in Venice, Italy, June through November, 2016. Proposals that demonstrate an especially robust outreach plan of exhibition-related activities to engage the public and broaden the impact of the exhibition with these audiences will most likely be judged especially competitive. Applications are due December 9, 2014. Approximately $100,000 is available to support one award. Matching funds are encouraged. Proposals should be discussed with the contact before submission.

Links: Solicitation, Grants.gov

EDUCATION and ECONOMIC AND COMMUNITY DEVELOPMENT

• U.S. Department of Agriculture (USDA); Water and Environmental Programs (WEP): SWM Grant Program 2015

Notice seeking applications to capitalize a Solid Waste Management program for the purpose of: 1) Evaluating current landfill conditions to determine threats to water resources; 2) Providing technical assistance and/or training to enhance operator skills in the operation and maintenance of active landfills; 3) Providing technical assistance and/or training to help communities reduce the solid waste stream; 4) Providing technical assistance and/or training for operators of landfills which are closed or will be closed in the near future with the development and implementation of closure plans, future land use plans, safety and maintenance planning, and closure scheduling within permit requirements. Applications are due December 31, 2014. The funding amount will be determined by the FY 15 budget.

Links: Grants.gov

• U.S. Department of Defense (DoD); Department of the Air Force; Air Force Materiel Command: Education Outreach Support

Notice seeking applications to support science and mathematics educational services at Wright-Patterson Air Force Base. Applications are due November 3, 2014.

Links: FBO notice
• U.S. Department of the Interior (DOI); Fish and Wildlife Service (FWS): Rhinoceros and Tiger Conservation Fund

Notice seeking applications for the conservation of rhinoceroses and/or tigers throughout their ranges. Applications are due December 2, 2014. Proposals are typically funded at or less than $50,000.

Links: Solicitation, Grants.gov

• U.S. Department of the Interior (DOI); Fish and Wildlife Service (FWS): Great Ape Conservation Fund

Notice seeking applications for funding to conserve and protect apes by supporting conservation programs of countries within the range of apes, and the projects of persons with demonstrated expertise in the conservation of apes. See the solicitation for a full list of eligible project types. Applied research projects should address specific management needs and actions, and threats from emerging issues such as disease and climate change that affect the species and their habitats. Applications are due December 3, 2014. Awards are typically less than $50,000 for an award period of one year.

Links: Solicitation, Grants.gov

• U.S. Department of the Interior (DOI); Fish and Wildlife Service (FWS): African Elephant Conservation Fund

Notice seeking applications for the conservation of African elephants. Applications are due December 3, 2014. Applications for priority sites are typically funded up to $200,000 and at or less than $50,000 for other sites.

Links: Solicitation, Grants.gov

• U.S. Department of the Interior (DOI); National Park Service (NPS): American Battlefield Protection Program Battlefield Preservation Project Grants

Notice seeking proposals for projects that lead to the protection of battlefield land and sites associated with battlefields. The program supports three project types: identification and documentation projects; planning and consensus building projects; and interpretation or Education Projects. Proposals are due January 15, 2015. Past awards have averaged $32,300 with awards as high as $117,000.

Links: Solicitation, Grants.gov

HEALTH and MENTAL HEALTH

• U.S. Department of Defense (DOD); Department of the Army; Congressionally Directed Medical Research Program (CDMRP): DoD USAMRMC FY15 Broad Agency Announcement for Extramural Medical Research

Notice seeking pre-proposals for research into novel technologies for the prevention, treatment, and detection of naturally occurring infectious diseases. Areas of interest include: norovirus and other viral diarrhea; Q fever (Coxiella burnetii); Crimean-Congo hemorrhagic fever; protozoal diarrhea; Rickettsiosis; Chikungunya virus; technologies that leverage current research efforts in malaria, dengue, bacterial diarrhea, and HIV; and systems biology approaches. Pre-proposals may be submitted on a rolling basis until September 30, 2015. Invited full proposals are due September 30, 2015. Awards generally range from $100,000 to $500,000 to support projects lasting up to five years.

Links: FBO notice, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD): Pregnancy in Women with Disabilities

Notice seeking research project applications investigate the incidence, course, and outcomes of pregnancy among women with disabilities. Areas of interest also include studies to inform preconception and antenatal counseling; strategies for addressing barriers to prenatal care and management of pregnancy; the puerperium; and the transition to parenthood. Applicants are encouraged to include women with disabilities and members of the community in the design and conduct of their research. Letters of intent are requested 30 days before the application due date. R01 applications are due February 5, June 5, and October 5 annually. R21 applications are due February 16, June 16, and October 16 annually. Program expires January 8, 2017.

Links: R01 Solicitation, Grants.gov
R21 Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD): Resource Program Grants in Bioinformatics (P41)

Notice seeking applications to support the continued operation, improvement, and dissemination of databases, digital information, or software tools that are unique, and of special importance to research using animal models of embryonic developmental processes. Letters of intent are requested 30 days prior to the application date. Applications are due annually on January 25; May 25; and September 25. Program expires September 26, 2017. The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Approximately $1.75 million is available for five years.

Links: Solicitation, Grants.gov
Weekly Funding Opportunities

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Cancer Institute (NCI): Specialized Programs of Research Excellence (SPORES) in Human Cancers for Years 2015 and 2016 (P50)

Notice seeking applications to support state-of-the-art investigator-initiated translational research that will contribute to improved prevention, early detection, diagnosis, and treatment of an organ-specific cancer (or a related group of cancers). The research supported through this program must be translational in nature. SPORES must include both a Developmental Research Program for pilot studies and a Career Enhancement Program to foster careers in translational research related to the focus of the SPORE. Applications are due January 27, 2015; May 19, 2015; September 22, 2015; January 27, 2016; May 19, 2016; September 22, 2016. Approximately 8-12 awards are expected.

Links: Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Eye Institute (NEI): NEI Institutional Mentored Physician Scientist Award (K12)

Notice seeking applications to encourage institutions to propose creative and innovative institutional research career development programs which prepare clinically-trained vision scientists for independent research careers. Applications are due May 14, 2015; May 16, 2016; and May 15, 2017.

Links: Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Heart, Lung, and Blood Institute (NHLBI): Pre-Symptomatic Profiles of Chronic Lung Disease(s) from Retrospective Cohorts (R21)

Notice seeking applications to stimulate focused secondary analyses of existing clinical research datasets to test innovative hypotheses about the epidemiology of incident chronic lung disease(s). Letters of intent are requested by December 21, 2014. Applications are due January 21, 2015. Approximately $1.2 million is available to support up to six awards in FY 2015.

Links: Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute of Environmental Health Sciences (NIEHS); National Center for Environmental Research (NCER) U.S. Environmental Protection Agency (EPA): Children's Environmental Health and Disease Prevention Research Centers (P50)

Notice seeking applications to support a transdisciplinary program of basic and applied research to examine the effects of environmental factors on children’s health and well-being. Letters of intent are requested by November 22, 2014. Applications are due December 22, 2014. Approximately $7 million is available to support up to five awards.

Links: Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute on Aging (NIA): The Midlife in the United States Study (U19)

Notice seeking applications to complete the third wave of longitudinal data collection and enhance content in the area of daily stress; data collection of clinical biomarkers and affective neuroscience assessments; and sub-studies such as how psychosocial influences affect gene expression and novel methods to track and reinstate non-responders. Letters of intent are requested 30 days before the application date. Applications are due annually on January 25; May 25; and September 25. Program expires January 8, 2018. The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications over a five year period. Application budgets are not limited but need to reflect the actual needs of the proposed project.

Links: Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); Office of Strategic Coordination; National Cancer Institute (NCI): Facile Methods and Technologies for Synthesis of Biomedically Relevant Carbohydrates (U01)

Notice seeking applications to develop new approaches (methods and technologies) to facilitate the rapid and affordable synthesis, production, and/or functionalization of bio-medically relevant glycans and glycol-conjugates representing 1) mammalian glycomes and 2) microbial glycans. Letters of intent are requested by November 10, 2014. Applications are due December 10, 2014. Approximately $4 million is available to support up to six awards.

Links: Solicitation, Grants.gov

• U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); Office of Strategic Coordination; National Cancer Institute (NCI): Novel and Innovative Tools to Facilitate Identification, Tracking, Manipulation, and Analysis of Glycans and their Functions

Notice seeking applications to develop accessible and affordable new tools and technologies for studying carbohydrates that will enable researchers in all biomedical fields to dramatically advance our understanding of the roles of these complex molecules in health and disease and to not abandon glycan discovery due to the difficulty or inability to study them. Letters of intent are requested by November 10, 2014. Applications are due December 10, 2014. Approximately $1 million is available to support two U01 awards. Approximately $3 million is available to support eight R21 awards.

Links: U01 Solicitation, Grants.gov
R21 Solicitation, Grants.gov
Notice seeking applications for preliminary research and formation of research teams that will lay the groundwork for the inclusive, community-driven development of accessible resources for integration and analysis of carbohydrate and glycoconjugate structural, analytical, and interaction data in the context of comparable gene, protein, and lipid data. Letters of intent are requested by November 10, 2014. Applications are due December 10, 2014. Approximately $1 million is available to support five awards.

Links: Solicitation, Grants.gov

**SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS**


Notice seeking white papers to investigate an architecture, mission, or system concept with the potential to enable a great leap in space or aeronautics. White papers are due November 12, 2014. Invited proposals are due January 21, 2015.

Links: Grants.gov, FBO notice

- **National Science Foundation (NSF):** Integrative Strategies for Understanding Neural and Cognitive Systems

Notice seeking applications for projects that develop foundational advances that are deeply connected to a broad scope of important research questions in cognitive and neural systems, and have significant potential for transformative advances in one or more of the FY 2015 thematic areas: Neuroengineering and Brain-Inspired Concepts and Designs and Individuality and Variation. CORE+ EXTENSIONS will provide additional support to projects selected for funding by other programs in the participating offices and directorates, to enable additional activities that will connect those projects to significant new integrative opportunities in cognitive and neural systems. Letters of intent are due December 10, 2014. Proposals are due January 26, 2015. CORE+ EXTENSION requests are submitted with proposals to other programs offered by the participating directorates, according to dates and requirements of those funding opportunities. No Letters of Intent are to be submitted for CORE+ EXTENSIONS. Approximately $12 million is available in funding.

Links: Solicitation, Grants.gov

- **National Science Foundation (NSF):** Division of Environmental Biology

Notice seeking applications to support fundamental research on populations, species, communities, and ecosystems. Pre-proposal are required by January 23, 2015. Invited full proposals are due August 3, 2015. Approximately $72 million is available to support 200 awards.

Links: Solicitation, Grants.gov

- **National Science Foundation (NSF); Directorate for Engineering (ENG); Industrial Innovation and Partnerships:** Partnerships for Innovation: Accelerating Innovation Research- Research Alliance

Notice seeking proposals to accelerate the translation and transfer of existing research discoveries into competitive technologies and commercial realities by leveraging the investments NSF has made in research consortia (e.g., Engineering Research Centers, Industry University Cooperative Research Centers, Science and Technology Centers, Nanoscale Science and Engineering Centers, Materials Research Science and Engineering Centers, Centers for Chemical Innovation, and others) and catalyzing academic-based innovation ecosystems. Letters of intent are required by January 12, 2015. Proposals are due February 18, 2015. Approximately $5 million is available to support four to eight awards.

Links: Solicitation, Grants.gov

- **National Science Foundation (NSF); Directorate for Mathematical and Physical Sciences (MPS):** Advisory Committee for Mathematical and Physical Sciences; Notice of Meeting

Notice announcing a meeting scheduled to discuss the state of MPS, challenges and opportunities, and reports from current subcommittees. The meeting will be held November 3 and 4, 2014 from 9:00 am to 5:00 pm, ET, at National Science Foundation, 4201 Wilson Boulevard, Suite 1235, Arlington, Virginia. Register with the contact by October 27, 2014, to attend the meeting.

Links: Federal Register

- **National Science Foundation (NSF); The National Coordination Office (NCO) for Networking and Information Technology Research and Development (NITRD):** National Big Data R and D Initiative; Framework, Priorities, and Strategic Plan

Notice seeking input from multiple big data stakeholders to inform the development of a framework, set of priorities, and ultimately a strategic plan for the National Big Data R&D Initiative. Comments must be received by November 14, 2014.

Links: Federal Register
• U.S. Department of Agriculture (USDA); National Institute of Food and Agriculture (NIFA): Food Insecurity Nutrition Incentive (FINI) Grant Program

Notice seeking applications to support projects to increase the purchase of fruits and vegetables among low-income consumers participating in the Supplemental Nutrition Assistance Program (SNAP) by providing incentives at the point of purchase. Applications are due December 15, 2014. Approximately up to $31.5 million is available to support multiple awards. Partnership opportunities exist for colleges and universities.

Links: Solicitation, Grants.gov

• U.S. Department of Agriculture (USDA); National Institute of Food and Agriculture (NIFA); Agricultural and Food Research Initiative (AFRI): Solicitation of Input From Stakeholders Regarding Commodity Boards To Propose Projects and Contribute Funding Under the Agricultural and Food Research Initiative Competitive Grant Programs, Implementation

Notice announcing a series of web-based listening session and seeking stakeholder input on the establishment of procedures and timelines for AFRI competitive grant programs. The web-based listening sessions will be held on October 9, 2014, from 10:00 am to 12:00 pm, ET, and October 16, 2014, from 1:00 pm to 3:00 pm, see solicitation for login and call-in information. Written comments must be received by October 16, 2014.

Links: Federal Register

• U.S. Department of Defense (DOD); Defense Advanced Research Projects Agency (DARPA): SafeWare

Notice seeking innovative research proposals in the area of program obfuscation. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. A Proposers’ Day will be held on October 15, 2014, in Arlington, Virginia. Registration is required by October 8, 2014. Proposals are due November 18, 2014. Multiple awards are anticipated.

Links: Grants.gov, FBO notice

• U.S. Department of Defense (DOD); Defense Advanced Research Projects Agency (DARPA); Information Innovation Office: Cyber Fault-tolerant Attack Recovery (CFAR)

Notice seeking proposals in the area of heterogeneous, cyber fault-tolerant computation to enable rapid detection of and recovery from cyber-attacks. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Proposals are due November 19, 2014. Approximately $52 million is available to support multiple awards for Technical Area 1 and single awards for Technical Areas 2, 3 and 4.

Links: FBO notice, Grants.gov

• U.S. Department of Defense (DOD); Department of the Air Force; Air Force Research Laboratory (AFRL): Materials Research and Survivability Studies

Notice seeking proposals to conduct exploratory and advanced research and development of materials technologies to control, manipulate, and protect against photonic energy. Intent to Propose is requested by November 5, 2014 Gary Victor, at Gary.Victor@us.af.mil. Proposals are due November 12, 2014. Approximately $121.06 million is available to support multiple awards.

Links: FBO notice

• U.S. Department of Defense (DOD); Department of the Navy; Office of Naval Research (ONR): Long Range BAA for Navy and Marine Corps Science and Technology

Notice seeking proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Proposals may be submitted at any time until September 30, 2015.

Links: FBO notice


Notice announcing a meeting to discuss and receive comments on issues related to the Quadrennial Energy Review, which examines the current state of U.S. energy infrastructure, identifies challenges and vulnerabilities, and suggests a roadmap for future energy infrastructure development. The meeting will be held October 6, 2014, 9:00 a.m., ET, at New York University Kimmel Center for University Life, Room 914, 60 Washington Square South, New York, NY. Comments are welcomed especially after the meeting and may be submitted to QERComments@hq.doe.gov by October 10, 2014.

Links: Federal Register

• U.S. Department of Energy (DOE); Advanced Research Projects Agency - Energy (ARPA-E): Advanced Research in Dry-Cooling (ARID)

Notice seeking applications to develop transformative new power plant cooling technologies that enable high thermal-to-electric energy conversion efficiency with zero net water dissipation to the atmosphere. Of particular interest to this program are technologies that incorporate air cooling, sorption-based cooling, multimode (convection/radiant) cooling, large capacity cool storage, or any other innovative heat rejection technology that addresses the programmatic goals. Questions are due November 3, 2014. Concept papers are required by November 10, 2014. Approximately $30 million is available to support 12 to 15 awards.

Links: Solicitation, Grants.gov
• U.S. Department of Energy (DOE); Advanced Research Projects Agency ' Energy (ARPA-E): Transportation Energy Resources from Renewable Agriculture (TERRA)

Notice seeking applications to develop tools that enable an increase in the rate and extent of genetic improvement of the yield of bioenergy crops grown in the field. Questions are due November 10, 2014. Concept papers are due November 17, 2014. Invited full proposals will be due on a date to be determined. Approximately $30 million is available to support 5 to 10 awards.

Links: Grants.gov

• U.S. Department of Energy (DOE); Office of Science: FY 2015 Continuation of Solicitation for the Office of Science Financial Assistance Program

Notice seeking grant applications for support of work in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics. Applications may be submitted any time until September 30, 2015 or until replaced by a successor funding opportunity announcement. Approximately $400 million is available for awards. Historically, applications have resulted in 200 to 350 awards.

Links: Grants.gov

• U.S. Department of Energy (DOE); Office of Science: Systems Biology Research to Advance Sustainable Bioenergy Crop Development

Notice seeking applications to conduct research that supports the Genomic Science research program in two ways: 1) Systems-level research to better understand the molecular and physiological mechanisms that control bioenergy crop vigor, resource use efficiency, and resilience/adaptability to abiotic stress, as well as interactions with the surrounding environment, in order to increase biomass productivity under changing and at times suboptimal conditions; 2) Systems biology-enabled investigations into the role(s) of microbial and microbial communities in the complex and multi-scaled interactions of the plant-soil-environment with regard to their contribution(s) to bioenergy feedstock plant performance, adaptation, and resilience in the face of a broad range of changing environmental conditions and climate, and the impacts of introducing bioenergy cropping systems on the local ecosystem. Pre-applications are required by November 14, 2014. Applications are due January 16, 2015. Approximately $15 million is available to support multiple awards ranging from $1 million to $3 million per year for projects lasting up to five years.

Links: Grants.gov

• U.S. Department of Homeland Security (DHS); United States Coast Guard (USCG): United States Coast Guard Evaluation of Infrared (IR) Detection Equipment for Ice Rescue Teams Market Research

Notice seeking concept papers that can assess technologies that would increase the ability of Ice Rescue Teams to leverage the infrared (IR) spectrum during Search and Rescue (SAR) operations on the frozen waterways of the Great Lakes. Concept papers are due on November 3, 2014.

Links: FBO notice

• U.S. Department of Homeland Security (DHS); United States Coast Guard (USCG): Robotic Aircraft for Maritime Public Safety (RAMPS) Research

Notice seeking concept papers to identify the capabilities, benefits, risks and technical limitations of operating Small Unmanned Aircraft Systems technology in a maritime environment. Concept papers are due November 3, 2014.

Links: FBO notice

• U.S. Department of the Interior (DOI); U.S Fish and Wildlife Service (USFWS): Cooperative Landscape Conservation and Science Support

Notice seeking applications to support science projects as well as biological planning, conservation design and adaptive management projects prioritized by local conservation cooperatives. Projects may include research; inventory design and implementation; monitoring; goal and priority setting associated with efficient and effective conservation; development of implementation strategies; and projects supporting all other FWS organizational efforts, including planning, establishment maintenance, and general business operations. Applications may be submitted on a rolling basis until September 30, 2015.

Links: Grants.gov