

# September 2019 Research Funding Update

## Arts & Humanities

### **Institutional Grants**

Tinker Foundation

Details: <http://www.tinker.org/content/institutional-grants>

Deadline: October 01, 2019

Supports conferences, workshops, and research projects that address the following themes: Democratic Governance, Education, and Sustainable Resource Management. The foundation encourages collaboration among organizations in the U.S., Latin America, Spain, and Portugal. Deadlines for required LOIs are two to three weeks before full proposals, which are due 3/15 and 9/15. Check the site for LOI deadlines. Also offers Field Research Grants for graduate students to conduct pre-dissertation/thesis research (10/1).

### **National Trust Preservation Fund**

National Trust for Historic Preservation

Details: <http://forum.savingplaces.org/build/find-funding/grant-seekers/preservation-funds>

Deadline: October 01, 2019

Provides grants ranging from \$2,500-\$5,000 to initiate preservation planning and education projects. Funds may be used to obtain professional expertise in areas such as historic preservation, architecture, archeology, engineering, preservation planning, land-use planning, fundraising, organizational development, and law, as well as preservation education activities to educate the public. Intervention and emergency funds are also available throughout the year. One to one match is required. Annual deadlines: 2/1, 6/1, 10/1.

### **National Historic Publications & Records Commission**

National Archives and Records Administration

Details: <http://www.archives.gov/nhprc/announcement/>

Deadline: October 03, 2019

Supports archival projects, editing projects, educational programs, fellowships, publication grants, and projects dealing with electronic records including digitization. All projects must help to identify, preserve, publish, and increase public access to non-federal sources that document the history of the U.S. Competitions include: Access to Historical Records: Archival Projects (10/3/19) and Major Initiatives (1/26/20) - required pre-proposal; Archives Collaboratives: Planning Grants (4/4/19); Publishing Historical Records in Documentary Editions (6/12/19) and 10/3/19); and Public Engagement with Historical Records (10/3/19).

### **ArtsLink Fellowships Exchange Programs**

CEC ArtsLink

Details: <http://www.cecartslink.org/about/programs.html>

Deadline: October 15, 2019

Supports exchanges between artists and arts organizations in the U.S. and Central/Eastern Europe, Russia, and Eurasia. U.S. Fellowships (10/15) support U.S. arts professionals to carry out projects in eligible countries; Fellowships Hosts (6/1) provides funding to host artists. International Fellowships (10/15) place artists from eligible countries at U.S. arts organizations for five weeks; Projects in the U.S. (1/15) support artists/arts managers/non-profits from eligible countries in collaboration with U.S. orgs/artists.

### **Dialogues on the Experience of War**

National Endowment for the Humanities

Details: <http://www.neh.gov/grants/education/dialogues-the-experiencewar>

Deadline: Oct 15, 2019

Supports the study/discussion of important humanities sources about war, in the belief that these sources can help U.S. military veterans and others to think more deeply about the issues raised by war and military service. The humanities sources can be drawn from history, philosophy, literature, and film and they should be supplemented by testimonials from those who have served. The program awards grants of up to \$100,000 to support the recruitment and training of discussion leaders; and the convening of at least two discussion programs after the training.

### **Building Bridges and Cultural Exchange Fund**

Association of Performing Arts Professionals

Details: <https://www.apap365.org/Programs/Funding-Opportunities>

Deadline: October 30, 2019

Building Bridges supports U.S.-based performing arts presenting organizations interested in building interdisciplinary cross-campus and community collaborations that expand awareness, knowledge and understanding of Muslim societies. APAP will administer up to eight grants of \$100,000-200,000 each. Cultural Exchange Fund supports U.S. organizations, groups, or individuals in order to build partnerships and collaborations outside of the U.S. and to experience the work of artists from around the world in its cultural context. Annual deadlines: 4/30 and 10/30.

### **Grants Program**

Weill (Kurt) Foundation for Music

Details: <http://www.kwf.org/grants-a-prizes/grantprogram>

Deadline: Nov 01, 2019

Promotes the public appreciation of the music of Kurt Weill, Lotte Lenya, and Marc Blitzstein. Funding will be provided for research and travel, dissertation fellowships, publication assistance, educational outreach, and college/university performances. Annual deadlines: 6/1 (for certain college/university performance grants) and 11/1. Applications for support of major professional productions/festivals/exhibitions, etc., will be evaluated on a case-by-case basis without application or performance deadlines.

### **Grant Programs**

Graham Foundation

Details: <http://tinyurl.com/qbrt8a>

Deadline: Nov 15, 2019

Program offers grants in architecture and its role in arts, culture and society: Production and Presentation Grants for individuals or organizations; and Research and Development Grants for individuals. Grants fund production-related expenses to take a project from conceptualization to realization and public presentation and provide seed money for research-related expenses. Annual deadlines: 2/25 for organizations, 9/15 for individuals. Also offers Carter Manny Award, which supports dissertation research and writing by promising doctoral students (11/15).

## **Research and Scholar Programs**

Russell Sage Foundation

Details: <http://www.russellsage.org/howto-apply>

Deadline: Nov 26, 2019

Supports research in the social sciences. Presidential Awards of up to \$35,000 and Project Awards from \$35,000 to \$175,000 support basic social science research to improve social policies. Program areas include: 1) Inequality; 2) Future of Work; 3) Race, Ethnicity & Immigration; and 4) Behavioral Economics. Annual deadlines (for required LOIs) 5/23/19 (areas 1, 3, 4); 8/19/19 (only areas 2, 4) and 11/26/19 (areas 1,3,4, others). Additional programs include Grants for Computational Social Science (8/19/19); Visiting Scholar positions (6/27); and Small Grants Program (applications accepted anytime).

## Education

### Community Requests Grant Program

Coca-Cola Foundation

Details: <http://www.coca-colacompany.com/our-company/community-requests-guidelinesapplication>

Deadline: October 01, 2019

Grant program foci are: Women (economic empowerment and entrepreneurship); Water (access to clean water, water conservation and recycling); and Well-Being (education, youth development and other community and civic initiatives). In addition, the Foundation supports many local community programs such as arts and culture, community and economic development programs in the United States, as well as HIV/AIDS prevention and awareness programs in Africa and Latin America. Annual deadline: applications accepted anytime.

### Grants Program

Kellogg (W.K.) Foundation

Details: <https://tinyurl.com/yc5zbi8g>

Deadline: October 01, 2019

Supports new and innovative ideas and efforts that help ensure all children, families and communities regardless of race or income with opportunities to reach their full potential. Focus areas include: health, families, racial equity, and civic engagement. Funds are disbursed nationally, but high priority is given to projects in Michigan, Mississippi and New Mexico. Annual deadline: applications accepted anytime.

### Grants Program

Mott (Charles Stewart) Foundation

Details: <http://www.mott.org/>

Deadline: October 01, 2019

Supports four program areas: Civil Society, Education, Environment, and Flint Area. Also supports "Exploratory and Special Projects" and special initiatives within each of the four areas. The Mott Foundation often provides long-term support to established grantees, but occasionally fund new initiatives from innovative groups with deep expertise in their areas of interest. Annual deadline: LOIs accepted year-round.

### Research Awards

National Council of Teacher of English

Details: <http://www.ncte.org/awards/research>

Deadline: October 01, 2019

NCTE supports research activity and publication in the field of English and English education through a series of research awards, grants, and scholarships. Offers funding for PreK-16 individuals and teams for grants to support research projects related to the teaching and learning of language and literacies. Multiple deadlines available.

### NEA Foundation Grants

National Education Association Foundation

Details: <http://www.neafoundation.org/pages/grants-to-educators/>

Deadline: October 15, 2019

Provides grants to improve academic achievement of students in U.S. public schools and public higher education institutions in any subject areas. Global Achievement Grants supports the development and integration of global competencies into their daily classroom instruction.

Student Achievement Grants (up to \$5,000) support initiatives to improve academic achievement. Learning and Leadership Grants support high-quality professional development--\$2,000 for individuals and \$5,000 for groups. Applicants must be NEA members. Annual deadlines: 2/5 (Global Learning Fellowship); 2/1, 6/1 and 10/15 (Student Achievement); and 2/1, 6/1 and 10/15 (Learning & Leadership).

### **Research and Conference Grants**

Spencer Foundation

Details: <http://www.spencer.org/field-initiated-0>

Deadline: Nov 01, 2019

Program relies on researchers to determine the most important issues to pursue. Supports Lyle Spencer Research Awards (TBD) up to \$1 million for intellectually ambitious research, oriented ultimately to improving the practice of education, and independent of any particular reform agendas or methodological strictures. Conference Grants Awards (TBD) up to \$50,000 provide support to scholars for small research conferences and focused symposia. Large (TBD) and Small (7/1, 11/1) Research Grants cover any topic that falls within SpencerÆs mission.

### **Grants Program**

VentureWell

Details: <http://venturewell.org/>

Deadline: Nov 06, 2019

Offers multidisciplinary awards to faculty and students of member institutions for collaborative programs to promote invention, innovation, and entrepreneurship. E-Team Grants (student deadline: 2/6/19) of up to \$25,000 may be used for further development or commercialization. Faculty grants for up to \$30,000 (11/6/19) support the creation of new courses and programs in which students develop ideas and gain the skills to bring them to market. BMEidea competition offers university biomedical entrepreneurs the chance to win \$10,000 [4/3/19]. Other programs may be available.

### **Grants Program**

Agency: Ethics and Excellence in Journalism Foundation

Details: <http://inasmuchfoundation.org/journalism-foundation/>

Deadline: Nov 15, 2019

Supports creative projects and academic research that promote the pursuit of excellence and adherence to high ethical standards in journalism. Annual LOI deadlines: 5/15 and 11/15. Required one-page LOI must include an overview of the organization and overview of the intended project. LOIs will be accepted beginning two months before the deadline.

### **Grant Program**

FINRA Investor Education Foundation

Details: <https://www.finrafoundation.org/general-grant-program>

Deadline: Continuous Submission

FINRA supports innovative research and educational projects that give investors tools and information needed to better understand markets and the basic principles of saving and investing. Projects are encouraged in: using behavioral finance to improve saving and investing; meeting financial and investor education needs of underserved audiences; creating new marketing and distribution channels for financial and investor education; and helping retirees manage finances. Annual deadline: accepts project concept forms, from which proposals will be invited, at any time during the year.

## Health and Human Services

### Research Programs

American Heart Association

Details: <http://tinyurl.com/z29dpdd>

Deadline: October 08, 2019

Supports a wide range of research and training awards in cardiovascular disease and stroke. Some deadlines are for required LOIs Awards include: Established Investigator Award: (10/10); Institutional Research Enhancement Award (7/17); Institutional Undergraduate Student Award (9/18); Pre-doctoral (8/14) and Postdoctoral (8/15); Collaborative Sciences Award (10/8); Innovative Project Award (10/22); Transformational Project Award (1/22) and Career Development (10/15). Other programs may be available.

### Grants-In-Aid Program

Society for the Psychological Study of Social Issues

Details: <http://tinyurl.com/qe5uovv>

Deadline: October 15, 2019

Supports scientific research in social problem areas related to the basic interests and goals of SPSSI, related to the psychological aspects of human problems of the group, the community, and nations. Funds particularly support projects that are not likely to receive support from traditional sources. Awards are up to \$1,000 for graduate research and up to \$2,000 for postdoctoral research (exceptions granted in some cases). Applicants must be SPSSI members. Limited Submission: Applicants may submit only one application per deadline and may not submit to the Clara Mayo Grant in the same award year.

### Research, Training and Professorship Grants

American Cancer Society

Details: <http://www.cancer.org/research/applyforaresearchgrant/granttypes/index>

Deadline: October 15, 2019

Supports over 20 programs to provide funds to all levels of investigators in cancer research and an enhanced commitment to issues in cancer health disparities, psychosocial and behavioral, health services, health policy, epidemiological, clinical and cancer control research. Also sponsors training grants for health professionals as well as other special initiatives and international programs. Annual deadlines: 4/1, 10/15. Other deadlines exist.

### AHRQ Small Research Grant Program (R03)

Agency for Healthcare Research and Quality

Details: <https://grants.nih.gov/grants/guide/pa-files/PA-18-794.html>

Deadline: October 16, 2019 Supports ongoing small research projects. The R03 grant mechanism covers an array of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

### Notice of Special Interest (NOSI): Health Services and Economic Research on the Treatment of Drug, Alcohol, and Tobacco Use Disorders (R01, R21, R03)

National Institutes of Health

Details: <https://grants.nih.gov/grants/guide/notice-files/NOT-DA-19-037.html>

Deadline: Oct 2019

Supports rigorous health services and economic research to maximize the availability and delivery of efficient, effective drug, alcohol, and tobacco treatment and recovery support

services. Examples of such research include: (1) clinical quality improvement; (2) quality improvement in services organization and management; (3) implementation science; (4) availability, demand, access, and financing; (5) effectiveness; and (6) development or improvement of research methodology, analytic approaches, and measurement instrumentation. Annual deadlines vary by mechanism (R01, R03, and R21) and expire 9/8/22.

### **Avenir Award Program for Research on Substance Abuse and HIV/AIDS (DP2)**

National Institutes of Health

Details: <https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-18-004.html>

Deadline: Nov 13, 2019

The Avenir Award Program for Research on Substance Abuse and HIV/AIDS will support research approaches, both basic and clinical, which have the potential to benefit substance using populations with or at risk for HIV/AIDS by reducing HIV incidence, improving therapies for HIV, reducing the impact of comorbid conditions, and ultimately, eradicating HIV. Annual deadline is 11/13 through 11/14/19.

### **Research Grants**

Gerber Foundation

Details: <http://www.gerberfoundation.org/>

Deadline: Nov 15, 2019

Supports nutrition-related interventions to improve infant health and development from first year before birth to age three. Projects should have a specific nutrition focus with defined outcome parameters. Of particular interest are projects with broad applicability to the general population offering a substantial promise of meaningful advances in prevention and treatment of diseases. Up to \$350,000 available per award. Novice Researcher Award also available with up to \$20,000 per project. Annual deadlines: 5/15, 11/15 for required concept papers.

### **Computationally-Defined Behaviors in Psychiatry (R21 Clinical Trial Optional)**

National Institutes of Health

Details: <https://grants.nih.gov/grants/guide/rfafiles/RFA-MH-19-240.html>

Deadline: Nov 20, 2019

Supports research projects that will apply computational approaches to develop parametrically detailed behavioral assays across mental-health relevant domains of function. Projects must focus on behavior in humans and test computational models in healthy subject, particularly the study of behavioral measures, models, and parameters that have the potential for back-translation from humans to animals, especially for pre-clinical therapeutics development, and/or in models that have the potential to be extended to clinical populations. Annual deadline: 11/20 through 11/21/20.

### **Rural Health Network Development Planning Grants**

Health Resources and Services Administration

Details: <https://www.hrsa.gov/grants/fundingopportunities/default.aspx?id=d69c77dc-272b-4bdc-af32-85fa2de10542>

Deadline: Nov 29, 2019

Promotes planning and development of healthcare networks in order to achieve efficiencies; expand access to, coordinate, and improve the quality of essential health care services; and strengthen the rural health care system as a whole. This program brings together key parts of a rural health care delivery system, particularly entities that may not have collaborated in the past under a formal relationship, to establish and improve local capacity and coordination of care to address regional or local community health needs.

### **Genetics & Developmental Biology Research**

National Institutes of Health

Details: <https://www.nigms.nih.gov/about/overview/Pages/GMCDB.aspx>

Deadline: Nov 2019

Supports research to understand the structure and function of cells and cellular components, and the cellular and molecular mechanisms that underlie inheritance, gene expression, and development. The results of this research form the foundation for advances in diagnosing, preventing, treating, and curing a wide variety of diseases. Most of the projects supported by the division make use of research organisms, which advance the general understanding of biological processes. Annual deadline: accepts unsolicited applications on any relevant topic. Call or email to determine interest.

### **Hematology Research**

National Institutes of Health

Details: <https://www.niddk.nih.gov/about-niddk/researchareas/hematologic-diseases>

Deadline: Nov 2019

Supports ongoing research with emphasis on a broad approach to understanding the normal and pathologic function of blood cells and the blood forming (hematopoietic) system. Major areas of interest include diseases such as sickle cell anemia, thalassemias, aplastic anemia, iron deficiency anemia, hemolytic anemias, and thrombocytopenia. Annual deadline: NIDDK accepts unsolicited applications on any relevant topic. Call program officer to determine interest.

### **Health Care Quality Improvement & Efficiency Grants**

Commonwealth Fund

Details: <https://www.commonwealthfund.org/grants-fellowships>

Deadline: Continuous Submission

Supports independent research on health and social issues and makes grants to improve health care practice and policy through four programs: delivery system innovation and improvement; health policy reform; health system performance assessment and tracking; and international program. Annual deadline: LOIs accepted on a rolling basis.



## Natural Science and Mathematics

### **ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5383](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383)

Deadline: October 01, 2019

Supports projects to increase representation and advancement of women in academic science and engineering careers to develop innovative and sustainable ways to promote gender equity in the STEM academic workforce; and to contribute to the development of a more diverse science and engineering workforce. Funds support three tracks. Preliminary proposals only apply to IHEs seeking support for an Institutional Transformation award (10/1/19). LOI's only apply to the Adaptation and Partnership competition (11/1/19). Limited submission: one proposal per eligible organization.

### **Cooperative Grants Program**

Civilian Research and Development Foundation Global

Details: <http://www.crdfglobal.org/grants/funding-opportunities>

Deadline: October 01, 2019

Supports cooperative research and development opportunities for scientists and engineers to address critical societal needs such as global health, climate change, and energy. Several funding categories are available to include research, fellowships, business plan competitions, technical trainings, laboratory upgrades, and travel support to attend professional conferences and events.

### **Environment Program**

Hewlett (William and Flora) Foundation

Details: <https://hewlett.org/about-us/>

Deadline: October 01, 2019

Supports activities focusing on education, environment, global development and population, performing arts, and effective philanthropy, as well as support for disadvantaged communities in the San Francisco Bay Area. The Foundation currently accepts unsolicited letters of inquiry for their Performing Arts Program only. Additional ad-hoc funding opportunities to address time sensitive challenges (cybersecurity and U.S. democracy) maybe available. Applicants are encouraged to call to speak with a program officer to learn more before submission dates. LOI's are accepted year round.

### **Mathematics Mentoring Travel Grants for Women Researchers**

Association for Women in Mathematics

Details: <https://awm-math.org/awards/awm-grants/travel-grants/>

Deadline: October 01, 2019 Supports travel grants for women mathematics researchers and educators. The goal of this FOA is to enable women to attend conferences in fields supported by the NSF's Mathematical Sciences Division. Up to \$2,300 is available for domestic travel and \$3,500 for foreign travel. Mathematics mentoring travel grants (annual deadline: 2/1) provide up to seven awards of up to \$5,000 each to help junior women researchers develop long-term working relationships with senior mathematicians. Other awards may be offered. Annual deadlines: 2/1, 5/1, 10/1.

### **Research Opportunities in Space and Earth Sciences (ROSES)**

National Aeronautics and Space Administration

Details: <https://tinyurl.com/y9gvwxkl>

Deadline: October 01, 2019

ROSES supports over 50 programs that are released monthly with varying deadlines and contacts. Supports all aspects of basic and applied research and technology in space and earth sciences. Broad focus areas include: Earth Science; Heliophysics; Planetary Science; Astrophysics; and cross-divisional research. Specific solicitations vary for each deadline. Notices of intent, when asked for, are requested but not required. Step-1 proposals, when asked for, are mandatory.

### **Theodore Dunham Jr. Grants for Research in Astronomy**

Fund for Astrophysical Research

Details: <http://fdnweb.org/fundaastro/funding-introduction/>

Deadline: October 01, 2019

Provides small grant support for astronomy and the acquisition of astronomical equipment, computer time, and computer hardware/software related to the execution of astronomical research. Preference generally given to multi-user facilities. Does not fund equipment used only for teaching, publication costs, or travel costs for meetings. Awards are generally about \$3,000, although higher amounts are possible. Annual deadline is the first Monday in October.

### **Grants for Field-Based Scientific Research**

National Geographic Society

Details: <https://www.nationalgeographic.org/grants>

Deadline: October 09, 2019

Supports bold, innovative, and potentially transformative projects that have a primary focus in conservation, education, research, storytelling, or technology. Grants must address one of the three focus areas: Wildlife, Human Journey, and Changing Planet. Funder does not usually consider applications that support strictly laboratory or collections work. Funds support Early Career awards for younger researchers, Exploration awards and RFPs. Awards range from \$5,000-\$30,000 depending on award type.

### **Petroleum Research Fund Grant Programs**

American Chemical Society

Details: <http://www.acs.org/content/acs/en/funding-and-awards/grants/prf/programs.html>

Deadline: October 18, 2019

Supports fundamental research and education in the petroleum and energy fields. Research areas supported include chemistry, the earth sciences, chemical and petroleum engineering, and related fields such as polymers and materials science. Multiple funding opportunities exist for experienced and new researchers from undergraduate and Ph.D.-granting institutions. ACS membership is not required. Proposal window is 9/23-10/18.

### **Paleo Perspectives on Climate Change (P2C2)**

National Science Foundation

Details: <https://tinyurl.com/y8zm9ba5>

Deadline: October 20, 2019

Supports projects to use key geological, chemical, atmospheric (gas in ice cores), and biological records of climate system variability to provide insights into the mechanisms and rate of change that characterized Earth's past climate variability, the sensitivity of Earth's climate system to changes in forcing, and the response of key components of the Earth system to these changes.

### **Condensed Matter Physics (CMP)**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505464](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505464)

Deadline: Nov 01, 2019

Supports experimental and experimental/theoretical projects on the fundamental physics behind phenomena exhibited by condensed matter systems. Current interests include phenomena at the nano- to macro-scale; low-temperature physics; soft condensed matter; the fundamental physics of new states of matter; and the physical behavior of condensed matter under extreme conditions. Annual deadline: proposal window of 10/1-11/1.

### **Polymers (POL)**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505462](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505462)

Deadline: Nov 01, 2019

Supports fundamental research and education on polymeric materials and polymer science. Portfolio is mainly experimental and diverse with components of materials science, chemistry, physics, and related disciplines. Interdisciplinarity is stressed. Central goals include advancing foundations of polymer science and pushing back the wide horizon of the field. Broad areas addressed include synthesis, molecular assembly, characterization, phase behavior, structure, morphology, and properties. Annual deadline: proposal window of 10/1-11/1.

### **Geometric Analysis**

National Science Foundation

Details: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5549](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5549)

Deadline: Nov 05, 2019

Supports research on differential geometry and its relation to partial differential equations, global analysis, analysis on manifolds, several complex variables and Lie representation theory; geometric aspects of math, physics and dynamical systems; and convex sets, integral geometry, and related geometric topics. Annual deadline: first Tuesday in November.

### **Topology**

National Science Foundation

Details: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5551](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5551)

Deadline: Nov 05, 2019

Supports research on algebraic topology, including homotopy theory, ordinary and extraordinary homology and cohomology, cobordism theory, and K-theory; topological manifolds and cell complexes, fiberings, knots, and links; differential topology and actions of groups of transformations; geometric group theory; and general topology and continua theory.

### **Advancing Informal STEM Learning (AISL)**

National Science Foundation

Details: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504793](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504793)

Deadline: Nov 06, 2019

Supports research on challenges/opportunities in informal education; anticipate radically different structures, functions, and purposes of informal STEM education; challenge existing assumptions about learning and environments; and envision the future needs of diverse learners, educators, and STEM professionals. Supports six projects: Pilots and Feasibility Studies; Research in Service to Practice; Innovations in Development; Broad Implementation; Literature Reviews, Syntheses, or Meta-Analyses, and Conferences. Annual deadline: 11/6. Limited submission: Only three proposals per organization are allowed.

### **Discovery Research K-12 (DR-K12)**

National Science Foundation

Details: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=500047](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500047)

Deadline: Nov 13, 2019

Supports work on immediate challenges that are facing preK-12 STEM education, and those that anticipate radically different structures and functions of preK-12 teaching and learning. Funds support three tracks: Assessment; Learning; and Teaching. Projects should build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Annual deadline: second Wednesday in November.

### **Applied Mathematics**

National Science Foundation

Details: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5664](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5664)

Deadline: Nov 15, 2019

Supports mathematics research motivated by or having an effect on problems arising in science and engineering. Mathematical merit and novelty, as well as breadth and quality of impact on applications, are important factors. Proposals to develop critical mathematical techniques from individual investigators and interdisciplinary teams are encouraged. Annual deadline: proposal window is 11/1-11/15.

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

National Science Foundation

Details: <http://tinyurl.com/z8s48hg>

Deadline: Nov 15, 2019

Provides individual investigator and collaborative research grants for observational, theoretical, laboratory, and archival data studies in astronomy and astrophysics. The Program also considers proposals for projects and tools that enable or enhance astronomical research. Proposals may span multiple disciplines and/or areas of study and may utilize multiple techniques. Annual deadline: proposal window 10/1-11/15.

### **LIGO Research Support**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505443](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505443)

Deadline: Nov 27, 2019

Supports research at the frontiers of science aimed towards answering questions about the nature of space and time, the gravitational attraction at atomically small and cosmological large distances and the use of gravitational waves to explore the universe through the commissioning and operation of the Laser Interferometer Gravitational-Wave Observatory (LIGO). Funds support LIGO users and other experimental investigations in gravitational physics and related areas. Annual deadline: fourth Wednesday in November.

## Engineering, Technology, and Computer Science

### **ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5383](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383)

Deadline: October 01, 2019

Supports projects to increase representation and advancement of women in academic science and engineering careers to develop innovative and sustainable ways to promote gender equity in the STEM academic workforce; and to contribute to the development of a more diverse science and engineering workforce. Funds support three tracks. Preliminary proposals only apply to IHEs seeking support for an Institutional Transformation award (10/1/19). LOI's only apply to the Adaptation and Partnership competition (11/1/19). Limited submission: one proposal per eligible organization.

### **Cooperative Grants Program**

Civilian Research and Development Foundation Global

Details: <http://www.crdglobal.org/grants/funding-opportunities>

Deadline: October 01, 2019

Supports cooperative research and development opportunities for scientists and engineers to address critical societal needs such as global health, climate change, and energy. Several funding categories are available to include research, fellowships, business plan competitions, technical trainings, laboratory upgrades, and travel support to attend professional conferences and events.

### **Metals and Metallic Nanostructures (MMN)**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505465](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505465)

Deadline: Nov 01, 2019

Supports fundamental research and education on the relationship between processing, structure and properties of metals and their alloys. Supports experimental research while encouraging theory and computational materials science. Support includes: equilibrium, non-equilibrium and far-from equilibrium structures; thermodynamics; kinetics; diffusion; interfaces; oxidation; performance in extreme environments; recyclability; magnetic behavior; thermal transport; plastic flow; and similar phenomena. Annual deadline: proposal window is 10/1-11/1.

### **Research Associateship Programs**

National Research Council

Details: <http://sites.nationalacademies.org/pqa/rap/>

Deadline: Nov 01, 2019

Supports basic and applied research by graduate students, recent Ph.D.s and senior researchers at federal laboratories and research facilities. Stipends support research in chemistry; earth and atmospheric sciences; engineering and applied sciences; biological, health, and behavioral sciences; neuroscience; biotechnology; math; space and planetary sciences; and physics. Annual deadlines: 2/1, 5/1, 8/1, 11/1 (or next business day if deadline falls on weekend). Not all laboratories participate in all four rounds.

### **Science and Engineering/Medical Research Programs**

W. M. Keck Foundation

Details: <http://wmkeck.us/grant-programs/research>

Deadline: Nov 01, 2019

Supports the development of new, high risk, transformative research geared towards promising new technologies to include the creation of advanced instruments used to further research ideas. Funding priority areas: medical, science and engineering research. Awards are up to \$5 million, and typically fall between \$500,000 and \$2 million. Limited submission: one application per institution each cycle. This is a two-part application process. Phase I application annual deadlines: 5/1 (contact program officer between 1/1 and 2/15 for support) and 11/1 (contact program officer between 7/1 and 8/15 for support). Invited applicants will participate in Phase II.

### **Advanced Technologies and Instrumentation (ATI)**

National Science Foundation

Details: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505586](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505586)

Deadline: Nov 15, 2019

Supports individual investigator and collaborative research grants for development of new technologies and instrumentation for astronomy and astrophysics. Supported categories include but are not limited to: advanced technology development or concept feasibility studies and specialized instrumentation to enable new observations that are difficult or impossible to obtain with existing means. Proposals may include hardware and/or software development and/or analysis to enable new types of astronomical observations. Annual deadline: proposals are accepted any time between 10/1-11/15.