ARTS, HUMANITIES, and INTERNATIONAL

Landmarks of American History and Culture: Workshops for School Teachers National Endowment for the Humanities (NEH), Division of Education Programs

Notice seeking applications to support a series of one-week workshops for K-12 educators that enhance and strengthen lessons with an emphasis on a place-based approach and historic sites through critical interpretation of American history, government, literature, art, music, and related humanities subjects.

1

Optional draft applications are due January 22, 2019. Applications are due February 21, 2019. Approximately \$170,000 per award is available for multiple awards to support projects lasting up to 15 months.

LINKS: Grants.gov, Solicitation

NAGPRA Consultation and Documentation Grants FY2019 Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications to offer documentation and professional consultation services in support of efforts to compile or revise a NAGPRA inventory and make or respond to requests for items in a NAGPRA summary. Documentation projects support determining the geographical origin, cultural affiliation, and other basic facts surrounding the acquisition of Native American cultural items. Consultation and documentation projects should lead to determining control, treatment, and disposition of NAGPRA cultural items.

Applications are due March 8, 2019. Approximately \$1.6 million is available for up to 25 awards to support projects lasting up to one year.

LINKS: Grants.gov

NAGPRA Repatriation Grants FY2019 Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications to transfer control of Native American human remains and cultural items to lineal descendants, Indian tribes, and Native Hawaiian organizations.

Applications are due May 17, 2019. Approximately \$1.6 million is available for up to 20 awards to support projects lasting up to one year.

LINKS: Grants.gov

FY 2018 DRL Internet Freedom Annual Program Statement Department of State (State), Bureau of Democracy Human Rights and Labor (DRL)

Notice seeking statements of interests outlining program concepts to promote the goal of protecting the open, interoperable, secure, and reliable Internet by promoting fundamental freedoms, human rights, and the free flow of information online through integrated support to civil society for technology, digital safety, policy and advocacy, and applied research programs.

University of New Orleans Office of Research Weekly Funding Opportunities January 14, 2019

Applications are due March 11, 2019.

LINKS: Grants.gov

Secure and Sustainable Human Rights Documentation Solutions Department of State (State)

Notice seeking proposals to support the research, development, and implementation of secure human rights documentation solutions. Mechanism supports the development of secure communications tools and platforms, as well as digital safety training.

2

Applications are due March 11, 2019. Approximately \$1 million is available for this award.

LINKS: Grants.gov

HEALTH and MENTAL HEALTH

Advancing Infectious Disease Detection and Response in Liberia Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to conduct and monitor epidemiologic, clinical, and laboratory-based projects, surveillance, and research of important diseases in Liberia; and incorporate the results of research activities into operational disease detection, prevention, and response or control programs in Liberia and strengthen local workforce capacity and dissemination of findings across the region, with partners, and globally.

Required letters of intent are due February 4, 2019. Applications are due March 4, 2019. Approximately \$12.5 million is available for up to five awards.

LINKS: Grants.gov

Epidemiology of Lupus: Longitudinal Studies in Population-Based Cohorts Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to research on lupus through a two component cooperative agreement-- Component A (Longitudinal Studies in Population-based Cohorts of Adults with Lupus: 3 Year Follow-up)--, a longitudinal follow-up study designed to support an established, US-based cohort of adults (ages 18+) diagnosed with lupus (systemic lupus erythematosus and skin lupus) that includes follow-up data collected at least once since 2015.

Applications are due March 8, 2019. Approximately \$10.5 million is available for up to four awards for up to three years.

LINKS: Grants.gov

Exploring the Mechanisms Underlying Analgesic Properties of Minor Cannabinoids and Terpenes (R01, R21 Clinical Trial Optional)

University of New Orleans Office of Research Weekly Funding Opportunities January 14, 2019

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Center for Complementary and Integrative Health (NCCIH)

3

Notice seeking research grant applications to study minor cannabinoids and terpenes in the cannabis plant as it relates to pain and nociception. This initiative intends to support highly innovative basic and/or mechanistic studies in appropriate model organisms and/or human subjects aiming to identify, describe and determine whether minor cannabinoids and/or terpenes can help treat pain.

Optional letters of intent are due 30 days prior to the due date. Applications are due March 15, 2019. Approximately \$1.5 million is available.

LINKS: Grants.gov, Solicitation (R01), Solicitation (R21)

HEAL Initiative: HEALthy Brain and Child Development Study (HEALthy BCD) (R34 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to develop large scale multi-site research study to examine human brain, cognitive, behavioral, social, and emotional development beginning prenatally through childhood (e.g., age 9-10), and the long-term impacts of pre/postnatal drug (expected oversampling for opioid prenatal exposures) and adverse environmental exposures on brain and behavioral health and risk for substance use and mental disorders.

Requested letters of intent are due 30 days prior to application date. Applications are due March 25, 2019. Approximately \$225,000 is available for up to 30 awards to support projects lasting up to 18 months. Applicants with two or more collaborating sites to are encouraged to review the companion collaborative R34 FOA (RFA-DA-19-029).

LINKS: Grants.gov, Solicitation

Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools (R15 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to stimulate basic and clinical research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support.

Annual applications are due February 25, June 25 and October 25, 2019 through January 8, 2022. Approximately \$300,000 (direct costs) is available for multiple projects lasting up to three years. FOA PAR-19-135 refers to the R15 clinical trial funding opportunity.

LINKS: Grants.gov, Solicitation, Solicitation

Accelerating the Pace of Child Health Research Using Existing Data from the Adolescent Brain Cognitive Development (ABCD) Study (R01-Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for collecting data on health and mental health, cognitive function, substance use, cultural and environmental factors, and brain structure and function from youth starting when they are 9-10 years-old and following them longitudinally to early adulthood. These data will be made available

to the scientific community through the NIMH Data Archive.

Applications are due annually on February 5, June 5, and October 5. Program expires September 8, 2021.

4

LINKS: Grants.gov, Solicitation

Accelerating the Pace of Child Health Research Using Existing Data from the Adolescent Brain Cognitive Development (ABCD) Study (R21-Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for collecting data on health and mental health, cognitive function, substance use, cultural and environmental factors, and brain structure and function from youth starting when they are 9-10 years-old and following them longitudinally to early adulthood.

Applications are due annually on February 16, June 16, and October 16. Program expires September 8, 2021.

LINKS: Grants.gov, Solicitation

Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research (R33 Clinical Trials Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications proposing exploratory research projects focused on further development and validation of emerging technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens.

Requested letters of intent are due 30 days prior to the application due date. Applications are due March 7, 2019; May 28, 2019; and September 27, 2019. Approximately \$900,000 is available to support two awards.

LINKS: Grants.gov, Solicitation

Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R33 Clinical Trials Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications proposing exploratory research projects focused on further development and validation of emerging technologies offering novel capabilities for targeting, probing, or assessing molecular and cellular features of cancer biology for basic or clinical cancer research. This FOA solicits R33 applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still requires further development and rigorous validation to encourage adoption by the research community.

Requested letters of intent are due 30 days prior to the application due date. Applications are due March 7, 2019; May 28, 2019; and September 27, 2019. Approximately \$4.3 million is available to support 10 awards.

University of New Orleans Office of Research Weekly Funding Opportunities January 14, 2019

LINKS: Grants.gov, Solicitation

Bioengineering Research Grants (BRG) (R01 Clinical Trial Not Allowed AND Clinical Trial Required) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for collaborations between the life and physical sciences that: apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach to increase our understanding of and solve problems in biological, clinical or translational science. Mechanisms that allow and forbid clinical trials are available.

5

Applications are due on a standard schedule of February 5, June 5, and October 5 until January 8, 2022. The first due date is February 5, 2019. Multiple awards are anticipated.

LINKS: Grants.gov (Clinical Trials Not Allowed), Grants.gov (Clinical Trial Required)

Bioengineering Research Partnerships (U01 Clinical Trial Required) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Biomedical Imaging and Bioengineering (NIBIB)

Notice seeking proposals to accelerate the development and adoption of promising tools and technologies that can address important biomedical problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine.

Applications are due on a standard schedule of February 5, June 5, and October 5 until January 8, 2022. The first due date is February 5, 2019. Multiple awards are anticipated.

LINKS: Grants.gov (U01 Clinical Trial Required), Solicitation

Drug Discovery for Nervous System Disorders (R21 R01 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for the discovery of novel compounds for the prevention and treatment of nervous system disorders. Research priorities include: Identification, design, synthesis, and preclinical testing of compounds of candidate therapeutics; Initial hit-to-lead chemistry to improve activity of compounds against the target of interest; Later stage lead optimization to improve efficacy and pharmacokinetics; and Initial drug metabolism and pharmacokinetic. Both R21 and R01 mechanisms are available.

Applications are due on an annual schedule until 2022, beginning with February 16, 2019 for R21 grants and February 5, 2019 for R01 grants. Multiples awards are anticipated.

End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R21 Clinical Trial Optional)

6

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Nursing Research (NINR); National Cancer Institute (NCI)

Notice seeking applications for research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults with serious, advanced illnesses; and research focused on specific end-of-life/palliative care models that support the physical, psychological, spiritual, and social needs of young adults with serious illness, their families and caregivers.

Applications are due on a standard schedule of February 16, June 16, and October 16 until January 8, 2022. The first deadline is February 16, 2019. Multiple awards are anticipated with a per-award ceiling of \$275,000 for two years.

LINKS: Grants.gov, Solicitation

Enhancing Linkage of STI and HIV Surveillance Data in the Ryan White HIV-AIDS Program (RWHAP) Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS), HIV/AIDS Bureau

Notice seeking applications to improve linkage, re-engagement in care, and health outcomes for people living with HIV (PLWH) in the RWHAP. HRSA will fund a Technical Assistance Provider (TAP) to identify jurisdictions (state, city, and/or local health departments) and provide programmatic technical assistance (TA) to enable them to create or improve data sharing across their sexually transmitted infection (STI) and HIV surveillance systems. The TAP will assess jurisdictional barriers to data sharing across STI and HIV surveillance departments and develop tools to address these barriers.

Optional letters of intent are due January 31, 2019. Applications are due April 8, 2019. Approximately \$1.4 million is available to support one award.

LINKS: Grants.gov

Exploratory Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Not Allowed AND Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI); National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

Notice seeking exploratory/developmental Bioengineering Research Grant applications to demonstrate feasibility and potential utility of new capabilities or improvements in quality, speed, efficacy, operability, costs, and/or accessibility of solutions to problems in basic biomedical, pre-clinical, or clinical research, clinical care delivery, or accessibility. Mechanisms are available for R21 Clinical Trials Not Allowed and R21 Clinical Trials Optional.

Applications are due on a standard schedule of February 16, June 16, and October 16 until January 8, 2022. The first due date is February 16, 2019. Multiple awards are anticipated with a per-award ceiling of \$200,000 per year.

LINKS: Grants.gov (R21 Clinical Trial Not Allowed), Grants.gov (R21 Clinical Trial Optional)

Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research (R21 Clinical Trials Not Allowed)

7

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens.

Requested letters of intent are due 30 days prior to the application due date. Applications are due March 7, 2019; May 28, 2019; and September 27, 2019. Approximately \$1 million is available to support four awards.

LINKS: Grants.gov, Solicitation

Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R21 Clinical Trials Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research. The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology.

Requested letters of intent are due 30 days prior to the application due date. Applications are due March 7, 2019; May 28, 2019; and September 27, 2019. Approximately \$4.2 million is available to support 17 awards.

LINKS: Grants.gov, Solicitation

NHLBI Clinical Trial Pilot Studies (R34 Clinical Trial Optional) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Heart, Lung, and Blood Institute (NHLBI)

Notice seeking applications for studies that are scientifically essential, yet also sufficient, for investigators to make definitive decisions that inform the final designs of important Phase II and beyond clinical trials with the primary intent of testing the efficacy, safety, clinical management, or implementation of intervention(s) in the prevention and treatment of heart, lung, blood, and sleep disorders. This mechanism may be used to test the feasibility of novel and efficient (pragmatic) trial designs, as well as determine the feasibility of an intervention, intervention parameters, subject availability, or other information essential to complete the design of a trial.

Optional letters of intent are due thirty days before the application. Applications are due on an annual schedule of February 16, June 16, and October 16 until 2021. Multiple awards are anticipated. Awards have an annual ceiling of \$225,000 and a total ceiling of \$450,000 for a maximum of three years.

NIDCR Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Workforce (K01 Independent Clinical Trial Not Allowed AND Independent Basic Experimental Studies with Humans Required) 8

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Dental and Craniofacial Research (NIDCR)

Notice seeking applications from postdoctoral fellows and early career faculty seeking a mentored experience in dental, oral and craniofacial research. Mechanism supports projects without independent clinical trials and projects that require independent basic experimental studies with humans.

Applications are due on a standard schedule of February 12, June 12, and October 12 until 2022. The first due date is February 12, 2019. Multiple awards are anticipated.

LINKS: <u>Grants.gov (Independent Clinical Trial Not Allowed)</u>, <u>Grants.gov (Independent Basic Experimental Studies with Humans Required)</u>

NIDCR Small Research Grants for Oral Health Data Analysis and Statistical Methodology Development (R03 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for research projects that involve secondary data analyses of existing oral or craniofacial database resources, or to develop needed statistical methodology for analyzing oral and craniofacial data using existing oral or craniofacial databases.

Applications are due on a standard schedule of February 16, June 16, and October 16 until January 8, 2022. The first deadline is February 16, 2019. Multiple awards are anticipated, with a per-award ceiling of \$100,000 per year.

LINKS: Grants.gov, Solicitation

Nurse Education, Practice, Quality and Retention (NEPQR) – Veteran Nurses in Primary Care (VNPC) Training Program

Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS), Bureau of Health Workforce

Notice seeking applications to increase access to care, with an emphasis on chronic disease prevention and control, including mental health and substance use disorders. The NEPQR- VNPC Training Program is an expansion of the NEPQR-RNPC investment specifically targeting undergraduate nursing students who are veterans and current primary care RNs.

Applications are due March 8, 2019. Approximately \$4.5 million is available to support up to nine awards.

Limited Submission: Multiple applications from an organization are not allowable.

LINKS: Grants.gov

The Human Biomolecular Atlas Program (HuBMAP): Rapid Implementation of Technologies that Will Accelerate Development of a Framework for Mapping the Human Body at High Resolution (UH3 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

9

Notice seeking applications for projects that will rapidly and systematically implement promising technologies into the HuBMAP Consortium with the goal of accelerating development of a framework for mapping of the human body at high resolution.

Requested letters of intent are due 30 days prior to the application due date. Applications are due March 14, 2019. Approximately \$3 million is available to support four to eight awards.

LINKS: Grants.gov, Solicitation

Type 1 Diabetes TrialNet Clinical Network Hub (U01 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications to develop creative approaches to screening, recruitment, and trial implementation, and to increase the operational efficiency and flexibility of the TrialNet network.

Requested letters of intent are due February 21, 2019. Applications are due March 21, 2019. Approximately \$1 million is available to support one award.

LINKS: Grants.gov, Solicitation

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Advanced Technologies for Enhanced Oil Recovery U.S. Department of Transportation (DOT)

Notice seeking applications to accelerate the development of technologies for enhancing the recovery of petroleum from both onshore conventional and unconventional reservoirs through the injection of chemical, miscible, or thermal fluids.

Applications are due March 22, 2019. Approximately \$8 million is available for up to six awards.

LINKS: Grants.gov

Automated Driving System (ADS) Demonstration Grants U.S. Department of Transportation (DOT)

Notice seeking applications to plan, research, and/or demonstrate projects that test the safe integration of automated driving systems into the Nation's on-road transportation system.

Applications are due March 21, 2019. Approximately \$60 million is available for multiple awards to support projects lasting up to five years.

LINKS: Grants.gov

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Microsystems Technology Office (MTO)

Notice seeking applications to develop innovative research in the area of hardware and software architectures with physically provable guarantees to isolate high risk transactions and to enable systems with multilevel data security assertions.

Applications are due March 22, 2019 for TA1 and TA2. Applications are due March 4, 2019 for TA3. Multiple awards are anticipated.

LINKS: Grants.gov, FBO

Technologies for Mixed-mode Ultra Scaled Integrated Circuits (T-MUSIC) Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking applications to develop advanced RF mixed-mode foundry processes, building blocks, and novel high frequency mixed-mode devices on a CMOS fabrication platform with the expectation that such advances will enable new DoD applications including high capacity, robust communications, radars, and precision sensors.

Abstracts are due January 25, 2019. Questions are due February 18, 2019. Full proposals are due March 12, 2019. Approximately \$70 million is available two major awards and multiple smaller awards.

LINKS: Grants.gov, FBO

USAF F-16 EW Suite Program Prototype Department of Defense (Defense), Air Force Research Lab (AFRL)

Notice seeking white paper proposals to prototype, demonstrate, and test an electronic warfare system that includes a digital radar warning receiver with detection, identification, and jamming capabilities designed for F-16 model aircraft.

White paper proposals are due January 17, 2019.

LINKS: FBO, Agency Site

41st Meeting of the U.S. Coral Reef Task Force; Public Meeting National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice announcing a meeting of the U.S. Department of Commerce's National Oceanic and Atmospheric Administration and the U.S. Department of Interior to discuss coordinated plans and actions among federal agencies, state and territorial governments, and nongovernmental partners.

The meeting will be held February 21, from 8:00 a.m. to 5:00 p.m. at 1201 Constitution Ave. NW, Washington, DC, Room 1151. Attendees must register. Click here to register: <u>http://www.coralreef.gov</u>.

LINKS: Federal Register

Department of Energy (Energy), Office of Science

Notice seeking applications to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by SC. The following program areas are supported: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP).

11

Required pre-applications are due February 6, 2019. Applications are due April 29, 2019. Approximately \$49 million is available to support up to 65 awards.

LINKS: Grants.gov

Subsurface Biogeochemical Research Department of Energy (Energy), Office of Science

Notice seeking applications to advance a robust predictive understanding of how watersheds function as integrated hydro-biogeochemical systems and how these systems respond to perturbations caused by changes in water availability and quality, contaminant release, nutrient cycling, land-use, vegetation cover, and snowmelt timing.

Pre-applications are due February 14, 2019. Applications are due April 11, 2019. Approximately \$3.6 million is available to support 6 to 12 awards.

LINKS: Grants.gov