



U.S. Federal Funding Opportunities For Research, Evaluation, and Dissemination

August 2021

Highlights –

This month's FFO highlights four funding opportunity announcements (FOA). The first is a [Department of Education \(ED\) funding opportunity](#) to support Minority Serving Institutions (MSIs) through grants to (1) defray expenses associated with the coronavirus, including lost revenue, reimbursement for expenses already incurred, technology costs associated with a transition to distance education, faculty and staff training, and payroll; and (2) provide financial aid grants to students. Applications are due by October 1, 2021. The second is a [National Institutes of Health \(NIH\) funding opportunity](#) to support a cohort of early career, independent investigators from diverse backgrounds conducting research in National Institutes of Health (NIH) mission areas through research support, mentoring, networking, and professional development activities. Applications are due by October 27, 2021. The third is a [National Institutes of Health \(NIH\) funding opportunity](#) to support research that investigates the effectiveness of school-based health centers (SBHCs) as a health services care delivery model to address the needs of school-aged children from populations with health disparities (hence, underserved youth). Applications are due by February 5, 2022. The fourth is a [National Institute of Mental Health \(NIMH\) funding opportunity](#) to support research to develop and test the effectiveness and implementation of family navigator models designed to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents who are experiencing early symptoms of mental health problems. Applications are due by October 5, 2021.

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CAREER DEVELOPMENT AND RECOGNITION

AHRQ: Mentored Research Scientist Career Development Award (K01) PA-20-067

Application Submission Deadline: October 12, 2021

The primary purpose of the Agency for Healthcare Research and Quality (AHRQ) Mentored Research Scientist Career Development Awards (K01) program is to help ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the Nation's health services research needs. This AHRQ program provides support and "protected time" to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in health services research training and those who had a hiatus in their research careers because of illness or family circumstances. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information.](#)

IES: Research Training Programs in the Education Sciences ED-GRANTS-061021-002

Application Submission Deadline: September 9, 2021

Under this competition, NCER will consider only applications that address one of the following topics: Early Career Mentoring Program for Faculty at Minority-Serving Institutions (MSIs); Postdoctoral Research Training Program in the Education Sciences; and Methods Training for Education Researchers. In awarding these grants, the Institute of Education Sciences (IES) intends to provide national leadership in expanding knowledge and understanding of (1) developmental and school readiness outcomes for infants and toddlers with or at risk for a disability, (2) education outcomes for all learners from early childhood education through postsecondary and adult education, and (3) employment and wage outcomes when relevant (such as for those engaged in career and technical, postsecondary, or adult education). The IES research grant programs are designed to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all learners. These interested individuals include parents, educators, learners, researchers, and policymakers. The IES National Center for Education Research (NCER) is announcing five competitions - one competition in each of the following areas: education research; education research training; systematic replication in education; statistical and research methodology in education; and using longitudinal data to support State education recovery policymaking. Applications are due by September 9, 2021. [Read more information.](#)

NHLBI: Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01 Independent Clinical Trial Required); (K01 Independent Clinical Trial Not Allowed)

RFA-HL-22-010; RFA-HL-22-011

Application Submission Deadline: October 14, 2021

This Funding Opportunity Announcement (FOA) invites applications to enhance the pool of highly trained investigators from diverse backgrounds, including those from groups underrepresented in research areas of interest to the National Heart, Lung, and Blood Institute (NHLBI). The career development will take place under the guidance of an experienced mentor in the biomedical, behavioral or clinical sciences leading to research independence. It is targeted toward individuals whose basic, clinical, and translational research interests are grounded in the advanced methods and experimental approaches needed to solve problems related to cardiovascular, pulmonary, and hematologic diseases and sleep disorders in the general and health disparities populations. This FOA invites applications from Institutions with eligible faculty members to undertake special study and supervised research under a mentor who is an accomplished investigator in the research area proposed and has experience in developing independent investigators. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. Read more information: [RFA-HL-22-010](#); [RFA-HL-22-011](#).

NIDA: Behavioral Science Track Award for Rapid Transition (B/Start)(R03 Clinical Trial Optional) PAR-19-310

Application Submission Deadline: October 16, 2021

This Funding Opportunity from the National Institute on Drug Abuse (NIDA) will use a NIH Small Research Grant (R03) award mechanism to support studies that apply affective, cognitive and behavioral science approaches to research questions relevant to substance use disorders (SUD). With this R03 mechanism, NIDA aims to seed innovative affective, cognitive and behavioral hypotheses, models, and methods in preclinical and clinical SUD research. The B/START R03 is intended for recently-independent investigators with expertise in behavioral science as well as established investigators who are using behavioral science approaches to SUD for the first time. Studies supported by B/START are expected to produce a coherent set of preliminary findings that would inform the design of a more complete study and serve as

preliminary data supporting feasibility or scientific rationale in an R01, R21 or similar application. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

**NIDA: Substance Use/Substance Use Disorder Dissertation Research Award (R36 - Clinical Trials Optional)
PA-20-208**

Application Submission Deadline: October 16, 2021

The goal of this FOA is to support doctoral candidates from a variety of academic disciplines for up to two years for the completion of the doctoral dissertation research project. Research projects should align with NIDA funding priorities or within the NIDA Strategic Plan. This award will facilitate the entry of promising new investigators into the field of substance use/substance use disorder (SU(D) research, enhancing the pool of highly talented SU(D) researchers. Applications are particularly encouraged from those who can contribute to diversifying the research workforce as described in the Notice of NIH's Interest in Diversity. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

**NIDA: Mentored Clinical Scientist Development Program Award in Substance Use and Substance Use Disorder Research (K12 Clinical Trial Optional)
PAR-20-249**

Application Submission Deadline: November 15, 2021

This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research and career development experiences for clinician scientists (Scholars) leading to research independence in the area of substance use and substance use disorder research. For this FOA, clinician scientists may include (but are not limited to) physicians, clinical psychologists, epidemiologists, doctoral level social workers, pharmacists, and behavioral scientists. Scholars are expected to be supported for 3-5 years on consecutive 12-month appointments. Candidates selected for support as scholars must hold a doctorate and commit a minimum of 9 person months (equivalent to 75% of full-time professional effort) to conducting clinical research and career development activities associated with the proposed program. Applications are due by November 15, 2021. [Read more information](#).

**NIDCD: Enhancing NIDCD's Extramural Workforce Diversity through Research Experiences (R25 Clinical Trial Not Allowed)
PAR-21-186**

Application Submission Deadline: January 27, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: research experiences. The proposed research experiences may be targeted to undergraduates, graduate students, postdoctorates or early to mid-career faculty and should be designed to extend their research skills, experiences and knowledge base. The nature of research experiences should be tailored to the needs and career levels of participants and engage them in NIDCD-funded (National Institute on Deafness and Other Communication Disorders) research or expose them to skills, experiences and knowledge base related to NIDCD research. It is expected that mentoring will be provided in conjunction with planned research experiences and participants will design individualized development plans (IDPs) that are compatible with their needs and experience. Additionally, programs that provide educational/research experiences that enhance the participation and productivity of investigators from diverse backgrounds, including from underrepresented groups, in carrying out research on NIDCD mission-relevant health disparities will be considered. Applications are due by 5:00 PM local time of applicant organization on January 27, 2022. [Read more information](#).

**NIDCR: Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Workforce (K01 Independent Basic Experimental Studies with Humans Required)
PAR-19-161**

Application Submission Deadline: October 12, 2021

The purpose of this NIDCR Mentored Career Development Award is to enhance the diversity of the independently funded dental, oral and craniofacial research workforce by providing a mentored research experience for eligible postdoctoral fellows and early career faculty from diverse backgrounds, including those who are from groups underrepresented in the biomedical and behavioral sciences. This award provides salary and research support for a sustained period of protected time for intensive research career development under the guidance of an experienced mentor. This Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as "prospective basic science studies involving human participants." These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should submit under this FOA include studies that

prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIDCR: Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Workforce (K01 Independent Clinical Trial Not Allowed)

PAR-19-160

Application Submission Deadline: October 12, 2021

The purpose of this NIDCR Mentored Career Development Award is to enhance the diversity of the independently funded dental, oral and craniofacial research workforce by providing a mentored research experience for eligible postdoctoral fellows and early career faculty from diverse backgrounds, including those who are from groups underrepresented in the biomedical and behavioral sciences. This award provides salary and research support for a sustained period of protected time for intensive research career development under the guidance of an experienced mentor. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIGMS: Postdoctoral Research Associate Training (PRAT) Program (Fi2)

PAR-19-286

Application Submission Deadline October 4, 2021

The National Institute of General Medicine Sciences (NIGMS) Postdoctoral Research Associate Training (PRAT) Program's overarching goal is to provide high quality postdoctoral research training in the basic biomedical sciences to a diverse group of postdoctoral fellows in NIH Intramural research laboratories, and to prepare them for leadership positions in biomedical careers. Research projects proposed should focus on areas within the NIGMS mission, which include but are not limited to biological chemistry, biophysics, bioinformatics, cellular and molecular biology, computational biosciences, developmental biology, genetics, immunology, neuroscience, pharmacology, physiology, and technology development. In addition to the laboratory experience, the PRAT program provides a structured training environment with extensive career and professional development, mentoring, and networking opportunities planned and supported by the program. Applications are due by 5pm local time of applicant organization on October 4, 2021. [Read more information](#).

NIH: Stephen I. Katz Early Stage Investigator Research Project Grant (R01 Clinical Trial Not Allowed)

PAR-21-038

Application Submission Deadline: September 28, 2021

The purpose of this Funding Opportunity Announcement is to provide a new pathway for Early Stage Investigators (ESIs) who wish to propose research projects in a new direction for which preliminary data do not exist. The Stephen I. Katz Early Stage Investigator Research Project Grant, named in honor of the late National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) Director, Stephen I. Katz, M.D., Ph.D., is open to a broad range of scientific research relevant to the mission of the participating NIH Institutes and Centers (ICs). Proposed projects must represent a change in research direction for the ESI and should be innovative and unique. A distinct feature for this FOA is that applications must not include preliminary data. Applications are due by 5:00 PM local time of applicant organization on September 28, 2021. [Read more information](#).

NIH: Stephen I. Katz Early Stage Investigator Research Project Grant (R01 Basic Experimental Studies with Humans Required)

PAR-21-039

Application Submission Deadline: September 28, 2021

The Stephen I. Katz Early Stage Investigator Research Project Grant supports an innovative project that represents a change in research direction for an early stage investigator (ESI) and for which no preliminary data exist. Applications submitted to this Funding Opportunity Announcement (FOA) must not include preliminary data. Applications must include a separate attachment describing the change in research direction. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on their scientific missions. This Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as "prospective basic science studies involving human participants." These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Applications are due by 5:00 PM local time of applicant organization on September 28, 2021. [Read more information](#).

NIH: BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00 Independent Clinical Trial Not Allowed) (K99/R00 Independent Clinical Trial Required)

RFA-NS-19-043; RFA-NS-19-044**Application Submission Deadline: October 6, 2021**

The purpose of the NIH BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00) program is to enhance workforce diversity in the neuroscience workforce and maintain a strong cohort of new and talented, NIH-supported, independent investigators from diverse backgrounds in [BRAIN Initiative research areas](#). This program is designed to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. Applications are due by October 6, 2021. [RFA-NS-19-043](#); [RFA-NS-19-044](#).

NIH: Independent Scientist Award (Parent K02 - Independent Clinical Trial Required) (Parent K02 Independent Basic Experimental Studies with Humans Required)**PA-20-171; PA-20-173****Application Submission Deadline: October 12, 2021**

The purpose of the NIH Independent Scientist Award (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides three to five years of salary support and "protected time" for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (i.e., NIA, NIAAA, NIDCR, NIDA, NIEHS, NINDS) based on their scientific missions. Applications are due by October 12, 2021. [PA-20-171](#); [PA-20-173](#).

NIH: Mentored Clinical Scientist Research Career Development Award (Parent K08 Independent Basic Experimental Studies with Humans Required)**PA-20-201****Application Submission Deadline: October 12, 2021**

The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and "protected time" to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as "prospective basic science studies involving human participants." These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIH: Mentored Research Scientist Development Award (Parent K01 - Independent Clinical Trial Required)**PA-20-176; PA-20-190****Application Submission Deadline: October 12, 2021**

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and "protected time" (three to five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. PA-20-176 is designed specifically for candidates proposing to serve as the lead investigator of an independent clinical trial, a clinical trial feasibility study, or a separate ancillary clinical trial, as part of their research and career development. PA-20-190 is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or a separate ancillary clinical trial. Applicants to PA-20-190 are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. Applications are due by 5pm local time of applicant organization on October 12, 2021. Read more information: [PA-20-176](#); [PA-20-190](#)

NIH: Mentored Research Scientist Development Award (Parent K01 Independent Basic Experimental Studies with Humans Required)**PA-20-191**

Application Submission Deadline: October 12, 2021

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three to five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

**NIH: Pathway to Independence Award (Parent K99/R00 Independent Clinical Trial Required)
PA-20-187; PA-20-188****Application Submission Deadline: October 12, 2021**

The purpose of the NIH Pathway to Independence Award (K99/R00) program is to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. PA-20-187 is designed specifically for applicants proposing to serve as the lead investigator of an independent clinical trial, a clinical trial feasibility study, or a separate ancillary clinical trial, as part of their research and career development. PA-20-188 is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial. Applicants to PA-20-188 are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

**NIH: Pathway to Independence Award (Parent K99/R00 Independent Basic Experimental Studies with Humans Required)
PA-20-189****Application Submission Deadline: October 12, 2021**

The purpose of the NIH Pathway to Independence Award (K99/R00) program is to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIH: Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools (R15 Clinical Trial Not Allowed) (R15 Clinical Trial Required)**PAR-19-134; PAR-19-135****Application Submission Deadline: October 25, 2021**

The purpose of the Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools is 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. REAP grants create opportunities for scientists and institutions otherwise unlikely to participate extensively in NIH research programs to contribute to the Nation's biomedical and behavioral research effort. REAP grants are intended to support small-scale research projects proposed by faculty members of eligible, domestic institutions, to expose undergraduate and/or graduate students at health professional schools or graduate schools to meritorious research projects, and to strengthen the research environment of the applicant institution. Applications are due by 5pm local time of applicant organization on October 25, 2021. Read more information: [PAR-19-134](#); [PAR-19-135](#).

NIH: Providing Research Education Experiences to Enhance Diversity in the Next Generation of Substance Use and Addiction Scientists (R25 Clinical Trials Not Allowed)

PAR-20-236

Application Submission Deadline: November 15, 2021

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Research Experiences and Courses for Skills Development. Applications are due by 5:00 PM local time of applicant organization on November 15, 2021. [Read more information.](#)

NIH: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)

PA-21-048

Application Submission Deadline: December 8, 2021

The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32) is to support research training of highly promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers. Applications are expected to incorporate exceptional mentorship. This Funding Opportunity Announcement (FOA) is designed specifically for candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial, but does allow candidates to propose research experience in a clinical trial led by a sponsor or co-sponsor. Applications are due by 5:00 PM local time of applicant organization on December 8, 2021. [Read more information.](#)

NIH: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)

PA-21-051

Application Submission Deadline: December 8, 2021

The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31) award is to enable promising predoctoral students to obtain individualized, mentored research training from outstanding faculty sponsors while conducting dissertation research in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. The proposed mentored research training must reflect the candidate's dissertation research project and is expected to clearly enhance the individual's potential to develop into a productive, independent research scientist. This Funding Opportunity Announcement (FOA) is designed specifically for candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial, but does allow candidates to propose research experience in a clinical trial led by a sponsor or co-sponsor. Applications are due by December 8, 2021. [Read more information.](#)

NIH: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)

PA-21-248

Application Submission Deadline: December 8, 2021

The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32) is to support research training of highly promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers. Applications are expected to incorporate exceptional mentorship. This Funding Opportunity Announcement (FOA) is designed specifically for candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial, but does allow candidates to propose research experience in a clinical trial led by a sponsor or co-sponsor. Completed applications are due by December 8, 2021. [Read more information.](#)

NIH: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Senior Fellowship (Parent F33)

PA-21-247

Application Submission Deadline: December 8, 2021

The National Institutes of Health (NIH) awards senior individual research training fellowships to experienced scientists who wish to make major changes in the direction of their research careers or who wish to broaden their scientific background by acquiring new research capabilities as independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial, but does allow candidates to propose research experience in a clinical trial led by a sponsor or co-sponsor. Applications are due by December 8, 2021. [Read more information.](#)

NIH: International Research Scientist Development Award (IRSDA) (K01 Independent Clinical Trial Not Allowed; K01 Independent Clinical Trial Required)

PAR-21-104; PAR-21-105

Application Submission Deadline: March 9, 2022

The purpose of the International Research Scientist Development Award (IRSDA) is to provide support and protected time (three to five years) to advanced postdoctoral U.S. research scientists and recently-appointed U.S. junior faculty (applicants must be at least two years beyond conferral of doctoral degree) for an intensive, mentored research career development experience in a low- or middle-income country (LMIC), as defined by the World Bank, including "low-income," "lower-middle-income," and "upper-middle-income" countries) leading to an independently-funded research career focused on global health. This Funding Opportunity Announcement (FOA) invites applications from postdoctoral research scientists and junior faculty from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of the LMIC under the mentorship of LMIC and U.S. mentors. Applications are due by 5:00 PM local time of applicant organization on March 9, 2022. Read more information: [PAR-21-104](#); [PAR-21-105](#)

NIH: Mid-Career Enhancement Awards to Integrate Basic Behavioral, Biomedical, and/or Social Scientific Processes (K18 No Independent Clinical Trials) (K18 Basic Experimental Studies with Humans Required)

PAR-20-211; PAR-20-226

Application Submission Deadline: March 17, 2022

This Funding Opportunity Announcement (FOA) invites applications from investigators who strive to expand their research trajectories through the acquisition of new knowledge and skills in the areas of basic psychological processes, sociological processes, and/or biomedical pathways—expertise that is beyond and enhances their current areas of expertise. The program will support career development experiences and a small-scale research project that will provide experienced investigators with the scientific competencies required to conduct independent research projects that more thoroughly investigate interrelationships among behavioral, biological, endocrine, epigenetic, immune, inflammatory, neurological, psychological, and/or social processes. Completed applications are due by 5pm local time of applicant organization on March 17, 2022. Read more information: [PAR-20-211](#); [PAR-20-226](#).

NIH: BRAIN Initiative Fellows: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (F32)

RFA-MH-20-620

Application Submission Deadline: April 11, 2022

The purpose of the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative Fellows (F32) program is to enhance the research training of promising postdoctorates, early in their postdoctoral training period, who have the potential to become productive investigators in research areas that will advance the goals of the BRAIN Initiative. Applications are encouraged in any research area that is aligned with the BRAIN Initiative, including neuroethics. Applicants are expected to propose research training in an area that clearly complements their predoctoral research. Formal training in analytical tools appropriate for the proposed research is expected to be an integral component of the research training plan. In order to maximize the training potential of the F32 award, this program encourages applications from individuals who have not yet completed their terminal doctoral degree and who expect to do so within 12 months of the application due date. On the application due date, candidates may not have completed more than 12 months of postdoctoral training. Applications are due by 5:00 PM local time of applicant organization on April 11, 2022. [Read more information](#).

NIH: Advanced Laboratories for Accelerating the Reach and Impact of Treatments for Youth and Adults with Mental Illness (ALACRITY) Research Centers (P50 Clinical Trial Optional)

PAR-20-293

Application Submission Deadline: May 17, 2022

This Funding Opportunity Announcement (FOA) invites applications for centers to support transdisciplinary teams of clinical and mental health services researchers, behavioral scientists, social scientists, health information and communications technologists, health systems engineers, decision scientists, and mental health stakeholders (e.g., service users, family members, clinicians, payers) to engage in high-impact studies that will significantly advance clinical practice and generate knowledge that will fuel transformation of mental health care in the United States. Advanced Laboratories for Accelerating the Reach and Impact of Treatments for Youth and Adults with Mental Illness (ALACRITY) Research Centers will support the rapid development, testing, and refinement of novel and integrative approaches for (1) optimizing the effectiveness of therapeutic or preventive interventions for mental disorders within well-defined target populations; (2) organizing and delivering optimized mental health services within real world treatment settings; and (3) continuously improving the quality, impact, and durability of optimized interventions and service delivery within diverse care systems. The ALACRITY Centers program is intended to support research that maximizes synergies across various components of the mental health research ecosystem, including new discoveries in clinical research,

transformative health care technologies, advances in information science, and new federal and state mechanisms for organizing mental health care. The Centers are intended for transdisciplinary projects that could not be achieved using standard research project grant mechanisms. The ALACRITY Centers program is also expected to facilitate widespread sharing of relevant data, methods, and resources that will accelerate clinical research and practice and to provide opportunities for graduate students, postdoctoral researchers, and early-career investigators to participate in transdisciplinary, T2 translational mental health research. Applications are due by May 17, 2022. [Read more information.](#)

NIH: Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences (T32 Clinical Trial Not Allowed)

PAR-20-076

Application Submission Deadline: May 25, 2022

The Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences (JSPTPN) is an institutional program that supports broad and fundamental research training in the neurosciences. In addition to a broad education in the neurosciences, a key component will be a curriculum that provides a strong foundation in experimental design, statistical methodology and quantitative reasoning. JSPTPN programs are intended to be 2 years in duration and students may only be appointed to this training grant during the first 2 years of their graduate research training. The primary objective is to prepare students to be outstanding scientists equipped to pursue careers in neuroscience. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on May 21, 2022. [Read more information.](#)

NIH: Science Education Partnership Award (SEPA) (R25 - Clinical Trial Not Allowed)

PAR-20-153

Application Submission Deadline: July 13, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Courses for Skills Development; Research Experiences; Mentoring Activities; Curriculum or Methods Development; and Outreach. Applications are due by July 13, 2022. [Read more information.](#)

NIH: Research Supplements to Promote Diversity in Health-Related Research (Admin Supp - Clinical Trial Not Allowed)

PA-18-906

Application Submission Deadline: NIH Institutes and Centers (ICs) dependent

The National Institutes of Health (NIH) and the Center for Disease Control and Prevention hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of research grants that funds are available for administrative supplements to improve the diversity of the research workforce by recruiting and supporting students, postdoctorates, and eligible investigators from diverse backgrounds, including those from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who are or become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. The application deadline varies by IC. [See the specific deadlines](#) and [read more information](#).

NIMH: Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01 Clinical Trial Optional)

RFA-MH-20-525

Application Submission Deadline: June 20, 2022

The NIMH Biobehavioral Research Awards for Innovative New Scientists (BRAINS) award is intended to support the research and research career advancement of outstanding, exceptionally productive scientists who are in the early, formative stages of their careers and who plan to make a long-term career commitment to research in specific mission areas of the NIMH. This award seeks to assist these individuals in launching an innovative clinical, translational, basic, or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders. The NIMH BRAINS program will focus on the research priorities and gap areas identified in the NIMH Strategic Plan. Applications are due by 5pm on June 20, 2022. [Read more information.](#)

NIMH: Research Education Mentoring Program for HIV/AIDS Researchers (R25 Clinical Trial Not Allowed)

PAR-21-228

Application Submission Deadline: September 7, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA from the National Institute of Mental Health (NIMH) will support creative educational activities with a primary focus on: Research Experiences and Mentoring Activities. Both research experiences and mentoring activities are required. These Research Education Mentoring Programs are expected to enhance the professional development of the mentees and foster career trajectories towards independent research to reduce the incidence of HIV worldwide and to decrease the burden of living with HIV. The terms participant and mentee are used throughout this FOA to refer to individuals who are enrolled in the research education program. Applications are due by 5pm local time of the applicant organization on September 7, 2022. [Read more information.](#)

NINDS: Ruth L. Kirschstein National Research Service Award (NRSA) for Training of Postdoctoral Fellows (F32 Clinical Trial Not Allowed)

PAR-21-032

Application Submission Deadline: October 14, 2021

The purpose of this award is to support outstanding scientific training of highly promising postdoctoral candidates with outstanding mentors. Candidates are eligible to apply for support from this program from ~12 months prior to the start of the proposed postdoctoral position to within 12 months after starting in the proposed postdoctoral position. This National Institute of Neurological Disorders and Stroke (NINDS) F32 seeks to foster early, goal-directed planning and to encourage applications for bold and/or innovative projects by the candidate that have the potential for significant impact. Inclusion of preliminary data is strongly discouraged; rather, this F32 seeks innovative research ideas and thoughtful plans for training and mentorship that will facilitate the development of the postdoctoral fellow into an outstanding scientist. Applications are expected to incorporate strong training in quantitative reasoning and the quantitative principles of experimental design and analysis. Support by this program is limited to the first 4 years of a candidate's activity in a specific laboratory or research environment, so as to further encourage early, thoughtful planning and timely completion of "mentored training" within a particular lab or environment. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. [Read more information.](#)

NINDS: Institutional Research Training Program (T32 - Clinical Trial Not Allowed)

PAR-21-149

Application Submission Deadline: May 25, 2022

The purpose of this FOA is to provide support for institutional research training programs in areas relevant to the National Institute of Neurological Disorders and Stroke (NINDS) mission. These institutional research training programs should produce well-trained neuroscientists who leave the program with the research skills and scientific knowledge to make a significant contribution to neuroscience research. Programs should be designed to enhance the breadth and depth of training in NINDS mission areas by incorporating didactic, research and career development components in the context of a defined scientific theme. Programs may support basic, clinical and/or translational research. Critical components of programs supported by this FOA include mechanisms to ensure a thorough understanding of experimental design, strong statistics and analytical skills, and skills for communicating science, both orally and in writing, to a wide variety of audiences. Regardless of theme, programs should provide opportunities and activities that will foster the development of quantitative literacy and the application of quantitative approaches to the trainees' research. NINDS institutional training programs are intended to be 1-2 years in duration and support training of one or more of the following groups: dissertation stage predoctoral students in their 3rd and/or 4th year of graduate school, postdoctoral fellows and fellowship-stage clinicians. (NINDS does not support first or second year graduate students under this PAR). This Funding Opportunity Announcement (FOA) does not allow appointed Trainees to lead an independent clinical trial but does allow them to obtain research experience in a clinical trial led by a mentor or co-mentor. Applications are due by 5:00 PM local time of applicant organization on May 25, 2022. [Read more information.](#)

New NINDS: Research Education Opportunities (R25 Clinical Trial Not Allowed)

PAR-21-256

Application Submission Deadline: July 14, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA from the National Institute of Neurological Disorders and Stroke (NINDS) will support creative educational activities with a primary focus on: courses for skills development and research experiences. The purpose of this funding opportunity announcement is to encourage applications for the initiation or continuation of nationally available neuroscience research education programs that will significantly advance the mission of NINDS. The primary focus of programs submitted under this FOA should be on intensive hands-on experience that will provide research experience, an

in-depth understanding of techniques, analytic approaches and theory, and expertise that is only possible from a nationally organized program. Within the context of gaining expertise primarily through hands-on experience, programs must also include immersive coursework and expert discussion when appropriate. Programs appropriate for this FOA must include participants from a nationally recruited cohort, selected through an application process overseen by a well-balanced leadership committee. Applications are due by 5:00 PM local time of applicant organization on July 14, 2022. [Read more information.](#)

**NSF: SBE Postdoctoral Research Fellowships
NSF 16-590**

Application Submission Deadline: November 1, Annually

The National Science Foundation (NSF), Directorate for Social, Behavioral and Economic Sciences (SBE) offers Postdoctoral Research Fellowships to encourage independence early in the Fellow's career through supporting his or her research and training goals. The research and training plan of each fellowship must address important scientific questions within the scope of the SBE Directorate and the specific guidelines in this fellowship solicitation. Applications are due by November 1, annually. [Read more information.](#)

**NSF: Alliances for Graduate Education and the Professoriate
NSF 16-552**

Application Submission Deadline: Second Friday in December, Annually

The Alliances for Graduate Education and the Professoriate (AGEP) program seeks to advance knowledge about models to improve pathways to the professoriate and success for historically underrepresented minority doctoral students, postdoctoral fellows and faculty, particularly African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders, in specific STEM disciplines and/or STEM education research fields. New and innovative models are encouraged, as are models that reproduce and/or replicate existing evidence-based alliances in significantly different disciplines, institutions, and participant cohorts. The AGEP program goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success. The program objectives include: To support the development, implementation and study of innovative models of doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields; and to advance knowledge about the underlying issues, policies and practices that have an impact on the participation, transitions and advancement of historically underrepresented minorities in the STEM academy. Applications are due by the second Friday in December, annually. [Read more information.](#)

**NSF: EHR Core Research (ECR): Building Capacity in STEM Education Research (ECR: BC SER)
NSF 20-521**

Application Submission Deadline: Fourth Friday in February, Annually

ECR's Building Capacity for STEM Education Research (ECR: BC SER) solicitation supports projects that build individuals' capacity to carry out high quality STEM education research that will enhance the nation's STEM education enterprise and broaden the pool of researchers that can conduct fundamental research in STEM learning and learning environments, broadening participation in STEM fields, and STEM workforce development. Specifically, ECR: BC SER supports activities that enable early and mid-career researchers to acquire the requisite expertise and skills to conduct rigorous fundamental research in STEM education. ECR: BC SER seeks to fund research career development activities on topics that are relevant to qualitative and quantitative research methods and design, including the collection and analysis of new qualitative or quantitative data, secondary analyses using extant datasets, or meta-analyses. Applications are due by 5pm local time of submitter on the fourth Friday in February, annually. [Read more information.](#)

**NSF: Faculty Early Career Development Program (CAREER)
NSF 20-525**

Application Submission Deadline: Fourth Monday in July, Annually

The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from early-career faculty at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply. Applications are due by 5pm local time of submitter on the fourth Monday in July, annually. [Read more information.](#)

SCIENTIFIC WORKFORCE DIVERSITY

NHLBI: Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01 Independent Clinical Trial Required); (K01 Independent Clinical Trial Not Allowed)

RFA-HL-22-010; RFA-HL-22-011

Application Submission Deadline: October 14, 2021

This Funding Opportunity Announcement (FOA) invites applications to enhance the pool of highly trained investigators from diverse backgrounds, including those from groups underrepresented in research areas of interest to the National Heart, Lung, and Blood Institute (NHLBI). The career development will take place under the guidance of an experienced mentor in the biomedical, behavioral or clinical sciences leading to research independence. It is targeted toward individuals whose basic, clinical, and translational research interests are grounded in the advanced methods and experimental approaches needed to solve problems related to cardiovascular, pulmonary, and hematologic diseases and sleep disorders in the general and health disparities populations. This FOA invites applications from Institutions with eligible faculty members to undertake special study and supervised research under a mentor who is an accomplished investigator in the research area proposed and has experience in developing independent investigators. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. Read more information: [RFA-HL-22-010](#); [RFA-HL-22-011](#).

NIDCD: Enhancing NIDCD's Extramural Workforce Diversity through Research Experiences (R25 Clinical Trial Not Allowed)

PAR-21-186

Application Submission Deadline: January 27, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Research Experiences. The proposed research experiences may be targeted to undergraduates, graduate students, postdoctorates or early to mid-career faculty and should be designed to extend their research skills, experiences and knowledge base. The nature of research experiences should be tailored to the needs and career levels of participants and engage them in NIDCD-funded research (National Institute on Deafness and Other Communication Disorders) or expose them to skills, experiences and knowledge base related to NIDCD research. It is expected that mentoring will be provided in conjunction with planned research experiences and participants will design individualized development plans (IDPs) that are compatible with their needs and experience. Additionally, programs that provide educational/research experiences that enhance the participation and productivity of investigators from diverse backgrounds, including from underrepresented groups, in carrying out research on NIDCD mission-relevant health disparities will be considered. Applications are due by 5:00 PM local time of applicant organization on January 27, 2022. [Read more information](#).

NIDCR: Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Workforce (K01 Independent Basic Experimental Studies with Humans Required)

PAR-19-161

Application Submission Deadline: October 12, 2021

The purpose of this National Institute of Dental and Craniofacial Research (NIDCR) Mentored Career Development Award is to enhance the diversity of the independently funded dental, oral and craniofacial research workforce by providing a mentored research experience for eligible postdoctoral fellows and early career faculty from diverse backgrounds, including those who are from groups underrepresented in the biomedical and behavioral sciences. This award provides salary and research support for a sustained period of protected time for intensive research career development under the guidance of an experienced mentor. This Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as "prospective basic science studies involving human participants." These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should submit under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIDCR: Mentored Career Development Award to Promote Diversity in the Dental, Oral and Craniofacial Workforce (K01 Independent Clinical Trial Not Allowed)

PAR-19-160

Application Submission Deadline: October 12, 2021

The purpose of this National Institute of Dental and Craniofacial Research (NIDCR) Mentored Career Development Award is to enhance the diversity of the independently funded dental, oral and craniofacial research workforce by providing a mentored research experience for eligible postdoctoral fellows and early career faculty from diverse backgrounds, including those who are from groups underrepresented in the biomedical and behavioral sciences. This award provides salary and research support for a sustained period of protected time for intensive research career development under the guidance of an experienced mentor. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information.](#)

NIGMS: Postdoctoral Research Associate Training (PRAT) Program (Fi2)**PAR-19-286****Application Submission Deadline October 4, 2021**

The NIGMS Postdoctoral Research Associate Training (PRAT) Program's overarching goal is to provide high quality postdoctoral research training in the basic biomedical sciences to a diverse group of postdoctoral fellows in NIH Intramural research laboratories, and to prepare them for leadership positions in biomedical careers. Research projects proposed should focus on areas within the NIGMS mission, which include but are not limited to biological chemistry, biophysics, bioinformatics, cellular and molecular biology, computational biosciences, developmental biology, genetics, immunology, neuroscience, pharmacology, physiology, and technology development. In addition to the laboratory experience, the PRAT program provides a structured training environment with extensive career and professional development, mentoring, and networking opportunities planned and supported by the program. Applications are due by 5pm local time of applicant organization on October 4, 2021. [Read more information.](#)

NIGMS: Research on Interventions that Promote the Careers of Individuals in the Biomedical Research Enterprise (R01 Clinical Trial Not Allowed)**PAR-21-269****Application Submission Deadline: October 13, 2021**

The National Institutes of Health (NIH) recognizes the need to diversify the scientific workforce by enhancing the participation of individuals from groups identified as underrepresented in the biomedical, clinical, behavioral and social sciences (collectively termed "biomedical") research workforce. This Funding Opportunity Announcement (FOA) from the National Institute of General Medicine Sciences (NIGMS) encourages applications that propose research designed to test interventions to enhance research-oriented individuals' interest, motivation, persistence and preparedness for careers in the biomedical research workforce. Funded projects are expected to produce research findings that will guide the implementation of interventions in a variety of academic settings and career levels to enhance the diversity of the biomedical research workforce. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

NIGMS: Maximizing Access to Research Careers (T34)**PAR-21-147****Application Submission Deadline: May 26, 2022**

The goal of the Maximizing Access to Research Careers (MARC) program is to develop a diverse pool of undergraduates who complete their baccalaureate degree, and transition into and complete biomedical, research-focused higher degree programs (e.g., Ph.D. or M.D./Ph.D.). This funding opportunity announcement (FOA) provides support to eligible, domestic institutions to develop and implement effective, evidence-informed approaches to biomedical training and mentoring that will keep pace with the rapid evolution of the research enterprise. The National Institute of General Medical Sciences (NIGMS) expects that the proposed research training programs will incorporate didactic, research, mentoring, and career development elements to prepare trainees for the completion of research-focused higher degree programs in biomedical fields. This program is limited to applications from training programs at baccalaureate degree-granting research-intensive institutions (i.e., those with an average of NIH Research Project Grant funding greater than or equal to \$7.5 million total costs over the last 3 fiscal years). This Funding Opportunity Announcement (FOA) does not allow appointed trainees to lead an independent clinical trial but does allow them to obtain research experience in a clinical trial led by a mentor or co-mentor. Applications are due by 5:00 PM local time of applicant organization on May 26, 2022. [Read more information.](#)

NIH: Faculty Institutional Recruitment for Sustainable Transformation (FIRST) Program: FIRST Cohort (U54 Clinical Trial Optional)**RFA-RM-21-025**

Application Submission Deadline: September 24, 2021

The purpose of the FIRST Cohort is to transform culture at NIH-funded extramural institutions by building a self-reinforcing community of scientists committed to diversity and inclusive excellence. Implementing and sustaining cultures of inclusive excellence within the program has the potential to be transformational for biomedical research at the awardee institutions and beyond. This community will be built through recruitment of faculty who are competitive for an advertised research tenure-track or equivalent faculty position (positions must be at the Assistant Professor (or equivalent) level), have not held a position at this level, and have demonstrated strong commitment to promoting diversity and inclusive excellence. All applications are due by 5:00 PM local time of applicant organization on September 24, 2021. [Read more information.](#)

NIH: Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)

PA-20-142

Application Submission Deadline: September 25, 2021

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation's biomedical, behavioral, and clinical research agenda. Research training programs are expected to incorporate didactic, research, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term predoctoral research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training. Applications are due by September 25, 2021. [Read more information.](#)

NIH: Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25 Clinical Trial Not Allowed)

PAR-20-240

Application Submission Deadline: September 27, 2021

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Research Experiences, Mentoring Activities, and Curriculum or Methods Development. Completed applications are due by September 27, 2021. [Read more information.](#)

NIH: BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00 Independent Clinical Trial Not Allowed) (K99/R00 Independent Clinical Trial Required)

RFA-NS-19-043; RFA-NS-19-044

Application Submission Deadline: October 6, 2021

The purpose of the NIH BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00) program is to enhance workforce diversity in the neuroscience workforce and maintain a strong cohort of new and talented, NIH-supported, independent investigators from diverse backgrounds in [BRAIN Initiative research areas](#). This program is designed to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. Applications are due by October 9, 2021. [RFA-NS-19-043](#); [RFA-NS-19-044](#).

NEW NIH: Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00 Independent Clinical Trial Not Allowed)

PAR-21-271

Application Submission Deadline: October 27, 2021

The purpose of the Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00) program is to support a cohort of early career, independent investigators from diverse backgrounds conducting research in National Institutes of Health (NIH) mission areas. The long-term goal of this program is to enhance diversity in the biomedical research workforce. The MOSAIC K99/R00 program is designed to facilitate a timely transition of promising postdoctoral researchers from diverse backgrounds (e.g., see Notice of NIH's Interest in Diversity) from their mentored, postdoctoral research positions to independent, tenure-track or equivalent research-intensive faculty positions. The MOSAIC K99/R00 program will provide independent NIH research

support before and after this transition to help awardees launch successful, independent research careers. Additionally, MOSAIC K99/R00 scholars will be part of organized scientific cohorts and will be expected to participate in mentoring, networking, and professional development activities coordinated by MOSAIC Institutionally-Focused Research Education Award to Promote Diversity (UE5) grantees. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. Applicants proposing a clinical trial or an ancillary clinical trial as lead investigator, should apply to the companion FOA PAR-21-272. Applications are due by 5:00 PM local time of applicant organization on October 27, 2021. [Read more information.](#)

New NIH: Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00 - Independent Clinical Trial Required) PAR-21-272

Application Submission Deadline: October 27, 2021

The purpose of the Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00) program is to support a cohort of early career, independent investigators from diverse backgrounds conducting research in National Institutes of Health (NIH) mission areas. The long-term goal of this program is to enhance diversity in the biomedical research workforce. The MOSAIC K99/R00 program is designed to facilitate a timely transition of promising postdoctoral researchers from diverse backgrounds (e.g., see Notice of NIH's Interest in Diversity) from their mentored, postdoctoral research positions to independent, tenure-track or equivalent research-intensive faculty positions. The MOSAIC K99/R00 program will provide independent NIH research support before and after this transition to help awardees launch successful, independent research careers. Additionally, MOSAIC K99/R00 scholars will be part of organized scientific cohorts and will be expected to participate in mentoring, networking, and professional development activities coordinated by MOSAIC Institutionally-Focused Research Education Award to Promote Diversity (UE5) grantees. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing to serve as the lead investigator of an independent clinical trial, a clinical trial feasibility study, or a separate ancillary clinical trial, as part of their research and career development. Applicants not planning an independent clinical trial, or proposing to gain research experience in a clinical trial led by another investigator, must apply to companion FOA PAR-21-271. Applications are due by 5:00 PM local time of applicant organization on October 27, 2021. [Read more information.](#)

New NIH: Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00 - Independent Basic Experimental Studies with Humans Required (BESH)) PAR-21-273

Application Submission Deadline: October 27, 2021

The purpose of the Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00) program is to support a cohort of early career, independent investigators from diverse backgrounds conducting research in National Institutes of Health (NIH) mission areas. The long-term goal of this program is to enhance diversity in the biomedical research workforce. The MOSAIC K99/R00 program is designed to facilitate a timely transition of promising postdoctoral researchers from diverse backgrounds (e.g., see Notice of NIH's Interest in Diversity) from their mentored, postdoctoral research positions to independent, tenure-track or equivalent research-intensive faculty positions. The MOSAIC K99/R00 program will provide independent NIH research support before and after this transition to help awardees launch successful, independent research careers. Additionally, MOSAIC K99/R00 scholars will be part of organized scientific cohorts and will be expected to participate in mentoring, networking, and professional development activities coordinated by MOSAIC Institutionally-Focused Research Education Award to Promote Diversity (UE5) grantees. This Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as "prospective basic science studies involving human participants." These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applicants not planning an independent clinical trial or basic experimental study with humans, or proposing to gain research experience in a clinical trial or basic experimental study with humans led by another investigator, must apply to the 'Independent Clinical Trial Not Allowed' companion FOA. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on their scientific missions. Applications are due by 5:00 PM local time of applicant organization on October 27, 2021. [Read more information.](#)

NIH: Providing Research Education Experiences to Enhance Diversity in the Next Generation of Substance Use and Addiction Scientists (R25 Clinical Trials Not Allowed)

PAR-20-236

Application Submission Deadline: November 15, 2021

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Research Experiences and Courses for Skills Development. Applications are due by 5:00 PM local time of applicant organization on November 15, 2021. [Read more information.](#)

new NIH: Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Institutionally-Focused Research Education Award to Promote Diversity (UE5 - Clinical Trial Not Allowed)

PAR-21-277

Application Submission Deadline: November 18, 2021

The NIH Research Education Program (U25) supports research education activities in the mission areas of the NIH. The overarching goal of this U25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Courses for Skills Development and Mentoring Activities. Applications are encouraged from organizations of biomedical researchers (e.g., scientific societies) with a membership of scientists conducting research within the mission areas of participating NIH Institutes and Centers, experience serving as a centralized entity to enhance scientific communication and networking among scientists conducting research, an established record of providing professional development and networking activities for the next generation of biomedical researchers, and a demonstrated commitment to enhancing the diversity of the biomedical research workforce. The program provides support for well-designed courses for skills development and mentoring activities to prepare cohorts of postdoctoral and early-career faculty scholars supported by MOSAIC K99/R00 awards to transition into, succeed, and advance in independent, tenure-track or equivalent, research-intensive faculty careers. Awardee organizations must provide career development and mentoring activities aligned with and appropriate for the disciplinary backgrounds of scholars supported through the MOSAIC K99/R00 program. Areas of programmatic need will be indicated through Notices of Special Interest (NOSIs) released annually by NIH. Applications are due by 5:00 PM local time of applicant organization on November 18, 2021. [Read more information.](#)

NIH: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31-Diversity)

PA-21-252

Application Submission Deadline: December 8, 2021

The purpose of this Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research award is to enhance the diversity of the health-related research workforce by supporting the research training of predoctoral students from diverse backgrounds including those from groups that are underrepresented in the biomedical, behavioral, or clinical research workforce. Through this award program, promising predoctoral students will obtain individualized, mentored research training from outstanding faculty sponsors while conducting well-defined research projects in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. The proposed mentored research training is expected to clearly enhance the individual's potential to develop into a productive, independent research scientist. Applications are due by December 8, 2021. [Read more information.](#)

new NIH: New Investigators to Promote Workforce Diversity in Genomics, Bioinformatics, or Bioengineering and Biomedical Imaging Research (R01 Clinical Trial Optional)

RFA-HG-21-025

Application Submission Deadline: February 22, 2022

This Funding Opportunity Announcement (FOA) solicits R01 grant applications that propose independent research projects that are within the scientific mission areas of the National Human Genome Research Institute (NHGRI), National Institute of Biomedical Imaging and Bioengineering (NIBIB), and All of Us Research Program (All of Us). This program is intended to support Early Stage Investigators and New Investigators from groups underrepresented in the health-related sciences. All applications are due by 5:00 PM local time of applicant organization on February 22, 2022. [Read more information.](#)

NIH: Enhancing Science, Technology, Engineering, and Math Educational Diversity (ESTEEMED) Research Education Experiences (R25)

PAR-20-223

Application Submission Deadline: June 24, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development and Research Experiences for undergraduate freshmen and sophomores from diverse backgrounds, including those from groups underrepresented in bioengineering or STEM fields relevant to bioengineering, such as engineering or the physical/computational sciences, which play key roles in biomedical technologies and innovation. Completed applications are due by June 24, 2022. [Read more information](#).

NIH: Research Supplements to Promote Diversity in Health-Related Research (Admin Supp - Clinical Trial Not Allowed)

PA-18-906

Application Submission Deadline: NIH Institutes and Centers (ICs) dependent

The National Institutes of Health (NIH) and the Center for Disease Control and Prevention hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of research grants that funds are available for administrative supplements to improve the diversity of the research workforce by recruiting and supporting students, postdoctorates, and eligible investigators from diverse backgrounds, including those from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who are or become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. The application deadline varies by IC. [See specific deadlines](#) and [read more information](#).

NIH: Research Supplements to Promote Diversity in Health-Related Research (Admin Supp - Clinical Trial Not Allowed)

PA-20-222

Application Submission Deadline: Varies by Awarding Institute or Center

The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of research grants (listed in the full FOA) that funds are available for administrative supplements to enhance the diversity of the research workforce by recruiting and supporting students, post-doctorates, and eligible investigators from diverse backgrounds, including those from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who are or become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project. The application deadline varies by the awarding Institute or Center. [Read more information](#).

NINDS: Faculty Development Award to Promote Diversity in Neuroscience Research (K01 Independent Clinical Trial Not Allowed)

PAR-21-234

Application Submission Deadline: October 12, 2021

The purpose of the National Institute of Neurological Disorders and Stroke (NINDS) Faculty Development Award to Promote Diversity in Neuroscience Research (K01) is to diversify the pool of independent neuroscience research investigators by providing junior faculty with research cost support, protected research time and career stage appropriate professional development mentorship in neuroscience research. Individuals from diverse backgrounds, including those from groups underrepresented in biomedical research are eligible for support under this award if they have doctoral research degrees (Ph.D. or equivalent) and are in the first 3 years of a faculty tenure track or equivalent position at the time of application. This Funding Opportunity Announcement (FOA) is designed specifically for candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Under this FOA candidates are permitted to propose a research experience in a clinical trial led by a mentor or co-mentor. Those proposing a clinical trial or an ancillary study to an ongoing clinical trial as lead investigator, should apply to the companion FOA (PAR-21-153). Applications are due by 5:00 PM local time of applicant organization on October 12, 2021. [Read more information](#).

NSF: Tribal Colleges and Universities Program (TCUP)

NSF 21-595

Application Submission Deadlines vary by funding track

The Tribal Colleges and Universities Program (TCUP) provides awards to federally recognized[1] Tribal Colleges and Universities, Alaska Native-serving institutions, and Native Hawaiian-serving institutions to promote high quality science (including sociology, psychology, anthropology, linguistics, economics and bioeconomics, statistics, and other social and behavioral sciences; natural sciences; computer science, including, but not limited to, artificial intelligence, quantum information science, and cybersecurity), technology, engineering and mathematics (STEM), STEM education, research, and outreach. Support is available to TCUP-eligible institutions (see the Additional Eligibility subsection of Section IV of this solicitation) for transformative capacity-building or community engagement projects through Instructional Capacity Excellence in TCUP Institutions (ICE-TI), Targeted STEM Infusion Projects (TSIP), TCUP for Secondary and Elementary Teachers in STEM (TSETS), TCU Enterprise Advancement Centers (TEA Centers), Cyberinfrastructure Health, Assistance, and Improvements (CHAI), and Preparing for TCUP Implementation (Pre-TI). Collaborations led by TCUP institutions that involve non-TCUP institutions of higher education are supported through TCUP Partnerships, with the participation of other NSF programs to support the work of non-TCUP institutions. Finally, research studies that further the scholarly activity of individual faculty members are supported through Small Grants for Research (SGR). Through the opportunities highlighted above, as well as collaborations with other National Science Foundation (NSF) divisions and directorates, and other organizations, TCUP aims to increase Native individuals' participation in STEM careers, improve the quality of STEM programs at TCUP-eligible institutions, and facilitate the development of a strong STEM enterprise in TCUP institutions' service areas. Application Submission Deadlines vary by funding track. [Read more information](#).

NSF: Alliances for Graduate Education and the Professoriate

16-552

Application Submission Deadline: Second Friday in December, Annually

The Alliances for Graduate Education and the Professoriate (AGEP) program seeks to advance knowledge about models to improve pathways to the professoriate and success for historically underrepresented minority doctoral students, postdoctoral fellows and faculty, particularly African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders, in specific STEM disciplines and/or STEM education research fields. New and innovative models are encouraged, as are models that reproduce and/or replicate existing evidence-based alliances in significantly different disciplines, institutions, and participant cohorts. The AGEP program goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success. The program objectives include: To support the development, implementation and study of innovative models of doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields; and to advance knowledge about the underlying issues, policies and practices that have an impact on the participation, transitions and advancement of historically underrepresented minorities in the STEM academy. Applications are due by the second Friday in December, annually. [Read more information](#).

GENERAL FUNDING MECHANISMS

NIDA: Program Project Grant Applications (P01 Clinical Trial Optional)

PAR-19-345

Application Submission Deadline: September 25, 2021

This Funding Opportunity Announcement (FOA) announces the availability of support for collaborative research by multi-disciplinary teams which is of high priority to NIDA and leads to synergistic outcomes based on the synthesis of multiple research approaches. The NIDA Program Projects funding opportunity will support research in which the funding of three or more highly meritorious projects as a group enriches both the component projects and the overall program to offer significant scientific advantages over supporting the same projects as individual research grants (i.e., synergy). For the duration of the award, each Program must consist of a minimum of three research projects focused on issues critical to advance the mission and goals of NIDA. Letters of intent are due 30 days prior to the application due date. Applications are due by September 25, 2021. [Read more information](#).

NIH: Limited Competition: Competitive Revision Awards for the Clinical and Translational Science Award (CTSA) Program (U54 Clinical Trial Optional)

PAR-19-337

Application Submission Deadline: September 27, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to solicit competitive revision (formerly known as competitive supplement) applications from awardees with active Clinical and Translational Science Award (CTSA) Program hub awards (UL1) to support the demonstration, and/or dissemination, and/or implementation of highly innovative and impactful translational science projects that address the goals of the CTSA Program and are beyond the

original scope of the approved parent project Under this competitive revision, only applications for revisions to the UL1 award are allowed. Revisions to the linked KL2 and/or the TL1 awards are not allowed. Letters of intent are due 30 days prior to the application due date. Applications are due by September 27, 2021. [Read more information](#).

**NIH: Stephen I. Katz Early Stage Investigator Research Project Grant (R01 Clinical Trial Not Allowed)
PAR-21-038**

Application Submission Deadline: September 28, 2021

The purpose of this Funding Opportunity Announcement is to provide a new pathway for Early Stage Investigators (ESIs) who wish to propose research projects in a new direction for which preliminary data do not exist. The Stephen I. Katz Early Stage Investigator Research Project Grant, named in honor of the late National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) Director, Stephen I. Katz, M.D., Ph.D., is open to a broad range of scientific research relevant to the mission of the participating NIH Institutes and Centers (ICs). Proposed projects must represent a change in research direction for the ESI and should be innovative and unique. A distinct feature for this FOA is that applications must not include preliminary data. Applications are due by 5:00 PM local time of applicant organization on September 28, 2021. [Read more information](#).

**NIH: Stephen I. Katz Early Stage Investigator Research Project Grant (R01 Basic Experimental Studies with Humans Required)
PAR-21-039**

Application Submission Deadline: September 28, 2021

The Stephen I. Katz Early Stage Investigator Research Project Grant supports an innovative project that represents a change in research direction for an early stage investigator (ESI) and for which no preliminary data exist. Applications submitted to this Funding Opportunity Announcement (FOA) must not include preliminary data. Applications must include a separate attachment describing the change in research direction. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on their scientific missions. This Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Applications are due by 5:00 PM local time of applicant organization on September 28, 2021. [Read more information](#).

**NIH: Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)
PA-20-195**

Application Submission Deadline: October 16, 2021

The NIH Exploratory/Developmental Grant supports exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

**NIH: Exploratory/Developmental Research Grant Program (Parent R21 Basic Experimental Studies with Humans Required)
PA-20-196**

Application Submission Deadline: October 16, 2021

The NIH Exploratory/Developmental Grant supports exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should submit under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

**NIH: Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)
PA-20-200**

Application Submission Deadline: October 16, 2021

The NIH Small Research Grant Program supports small research projects that can be carried out in a short period of time with limited resources. This program supports different types of 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. This Funding Opportunity Announcement does not accept applications proposing clinical trial(s). Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

**NSF: Tribal Colleges and Universities Program (TCUP)
NSF 21-595**

Application Submission Deadlines vary by funding track

The Tribal Colleges and Universities Program (TCUP) provides awards to federally recognized[1] Tribal Colleges and Universities, Alaska Native-serving institutions, and Native Hawaiian-serving institutions to promote high quality science (including sociology, psychology, anthropology, linguistics, economics and bioeconomics, statistics, and other social and behavioral sciences; natural sciences; computer science, including, but not limited to, artificial intelligence, quantum information science, and cybersecurity), technology, engineering and mathematics (STEM), STEM education, research, and outreach. Support is available to TCUP-eligible institutions (see the Additional Eligibility subsection of Section IV of this solicitation) for transformative capacity-building or community engagement projects through Instructional Capacity Excellence in TCUP Institutions (ICE-TI), Targeted STEM Infusion Projects (TSIP), TCUP for Secondary and Elementary Teachers in STEM (TSETS), TCU Enterprise Advancement Centers (TEA Centers), Cyberinfrastructure Health, Assistance, and Improvements (CHAI), and Preparing for TCUP Implementation (Pre-TI). Collaborations led by TCUP institutions that involve non-TCUP institutions of higher education are supported through TCUP Partnerships, with the participation of other NSF programs to support the work of non-TCUP institutions. Finally, research studies that further the scholarly activity of individual faculty members are supported through Small Grants for Research (SGR). Through the opportunities highlighted above, as well as collaborations with other National Science Foundation (NSF) divisions and directorates, and other organizations, TCUP aims to increase Native individuals' participation in STEM careers, improve the quality of STEM programs at TCUP-eligible institutions, and facilitate the development of a strong STEM enterprise in TCUP institutions' service areas. Application Submission Deadlines vary by funding track. [Read more information](#).

**NSF: Historically Black Colleges and Universities - Excellence in Research (HBCU- EiR)
NSF 20-542**

Letter of Intent Submission Deadline: Fourth Thursday in July, Annually

Application Submission Deadline: First Tuesday in October, Annually

The Historically Black Colleges and Universities - Excellence in Research (HBCU-EiR) program was established in response to direction provided in the Senate Commerce and Justice, Science and Related Agencies Appropriations Subcommittee Report (Senate Report 115-139) and is built on prior and continuing efforts by the National Science Foundation (NSF) to strengthen research capacity at Historically Black Colleges and Universities (HBCUs). EiR supports such capacity building by funding research projects aligned with NSF's research programs. The program aims to establish stronger connections between researchers at HBCUs and NSF's research programs. Submission of Letters of Intent is required. Letter of Intent are due by the fourth Thursday in July, annually. Applications are due by the first Tuesday in October, annually. [Read more information](#).

BY TOPIC

ADOLESCENTS AND YOUTH

**NICHHD: Pediatric Immune System – Ontogeny and Development (INTEND) (R01 Clinical Trial Not Allowed)
PAR-21-248**

Application Submission Deadline: October 5, 2021

The purpose of this Funding Opportunity Announcement (FOA) from the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) is to correlate immune system development patterns between two or more age groups - neonates, infants, and children and adolescents and further understand the impact of infectious diseases, microbiome and environmental factors on the ontogeny and development of the pediatric immune system, from birth, transitioning into adolescence and adulthood with the focus of impact during pregnancy and post-natal period. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information](#).

NIDCR: Improving Oral Health and Reducing Disparities in Adolescents (R01 Clinical Trial Not Allowed) (R21 Clinical Trial Not Allowed)

PAR-20-058; PAR-20-059

Application Submission Deadline: October 5, 2021 (R01); October 16, 2021 (R21)

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate research to improve the oral health of adolescents in the United States, and to reduce observed oral health disparities and inequities in this population. This FOA defines “adolescents” as those individuals between the ages of 10 and 19. Applications are due by 5pm local time of applicant organization on [October 5, 2021 \(R01\)](#) and [October 16, 2021 \(R21\)](#). Read more information: [R01](#), [R21](#)

NIH: End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R01 Clinical Trial Optional) (R21 Clinical Trial Optional)

PAR-19-136; PAR-19-153

Application Submission Deadline: October 5, 2021 (R01), October 16, 2021 (R21)

The purpose of this funding opportunity announcement (FOA) is to foster research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults (AYA; defined by the World Health Organization and the Centers for Disease Control and Prevention as youth between 12–24 years of age) with serious, advanced illnesses; and research focused on specific end-of-life/palliative care (EOLPC) models that support the physical, psychological, spiritual, and social needs of AYA with serious illness, their families and caregivers. Applications for PAR-19-136 are due by 5pm local time of applicant organization on [October 5, 2021 \(R01\)](#) and [October 16, 2021 \(R21\)](#).

NIMH: Confirmatory Efficacy Clinical Trials of Non-Pharmacological Interventions for Mental Disorders (R01 Clinical Trial Required)

PAR-21-132

Application Submission Deadline: October 15, 2021

NIMH solicits clinical trial applications through a series of Funding Opportunity Announcements (FOAs) that cover the intervention development pipeline, from first-in-human, early testing of new interventions, confirmatory efficacy trials, through to effectiveness trials. The purpose of this FOA is to support confirmatory efficacy testing of non-pharmacological therapeutic and preventive interventions for mental disorders in adults and children through an experimental therapeutics approach. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support "go/no-go" decisions about further development, effectiveness testing, or dissemination of the intervention. Interventions to be studied include, but are not limited to behavioral, cognitive, interpersonal, and device-based (both invasive/surgically implanted as well as noninvasive/transcranial) approaches, or a combination thereof. Interventions appropriate for efficacy testing must be based on a compelling scientific rationale, previous demonstration that the intervention engages and alters the hypothesized mechanism of action, a preliminary efficacy signal, and must address an unmet therapeutic need. Support will be provided for a trial of the intervention's efficacy that includes measurement of the hypothesized mechanism of action and the relationship between change in the mechanism and change in functional or clinical effects. Ultimately, this FOA is intended to support a sufficiently-powered efficacy trial to determine the intervention's potential for significant clinical benefit. Applicants pursuing other stages of the clinical trial pipeline should consider one of the companion FOAs listed above. Applications are due by 5:00 PM local time of applicant organization on [October 15, 2021](#). [Read more information.](#)

New NIMH: Pilot Studies to Test the Initiation of a Mental Health Family Navigator Model to Promote Early Access, Engagement and Coordination of Needed Mental Health Services for Children and Adolescents (R34 Clinical Trial Required)

PAR-21-292

Application Submission Deadline: October 16, 2021

The purpose of this National Institute of Mental Health (NIMH) Funding Opportunity Announcement (FOA) is to encourage research applications to develop and pilot test the effectiveness and implementation of existing family navigator models designed to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents who are experiencing early symptoms of mental health problems. For the purposes of this FOA, NIMH defines a family navigator model as a health care professional or paraprofessional whose role is to deploy a set of strategies designed to rapidly engage youth and families in needed treatment and services, work closely with the family and other involved treatment and service providers to optimize care, and through the use of technology – to monitor the trajectory of mental health symptoms and outcomes over time. Applicants are required to develop and pilot test the navigator model's ability to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents as soon as symptoms are detected. Applicants are also required to identify and pilot test components of navigator models that drive improvements in mental health care; detect and interrogate tailoring variables that optimize the ‘personalized match’ between the unique mental health needs of youth to the appropriate level of intensity and frequency of mental health services; and utilize emerging novel technologies to track and monitor the trajectory of clinical, functional and behavioral progress toward achieving intended services outcomes. Applications are due by 5:00 PM local time of applicant organization on [October 16, 2021](#). [Read more information.](#)

New NIMH: Initiation of a Mental Health Family Navigator Model to Promote Early Access, Engagement and Coordination of Needed Mental Health Services for Children and Adolescents (R01 Clinical Trial Required) PAR-21-291

Application Submission Deadline: October 16, 2021

The purpose of this National Institute of Mental Health (NIMH) Funding Opportunity Announcement (FOA) is to encourage research applications to develop and test the effectiveness and implementation of family navigator models designed to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents who are experiencing early symptoms of mental health problems. For the purposes of this FOA, NIMH defines a family navigator model as a health care professional or paraprofessional whose role is to deploy a set of strategies designed to rapidly engage youth and families in needed treatment and services, work closely with the family and other involved treatment and service providers to optimize care, and through the use of technology – to monitor the trajectory of mental health symptoms and outcomes over time. Applicants are required to develop and test the navigator model's ability to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents as soon as symptoms are detected. Applicants are also required to identify and test components of navigator models that drive improvements in mental health care; detect and interrogate tailoring variables that optimize the 'personalized match' between the unique mental health needs of youth to the appropriate level of intensity and frequency of mental health services; and utilize emerging novel technologies to track and monitor the trajectory of clinical, functional and behavioral progress toward achieving intended services outcomes. Applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NIMH: Pilot Effectiveness Trials of Interventions for Preschoolers with ADHD (R34 Clinical Trial Required) RFA-MH-21-230

Application Submission Deadline: March 1, 2022

The National Institute of Mental Health (NIMH) seeks applications for pilot projects to evaluate the preliminary effectiveness of interventions targeting preschool attention deficit hyperactivity disorder (ADHD) symptoms and impairments. An emphasis is placed on studies that take a theory-driven, empirical approach to developing and testing interventions intended to impact current ADHD symptoms and impairments and/or prevent or forestall the emergence of co-occurring disorders or additional ADHD-related impairments. In this pilot phase of effectiveness research, the trial should be designed to evaluate the feasibility, tolerability, acceptability, safety, and potential effectiveness of the approach, to address whether the intervention engages the target mechanisms presumed to underlie the intervention effects, and to obtain preliminary data needed to inform a larger, more definitive test of the intervention. Applications are due by 5:00 PM local time of applicant organization on March 1, 2022. [Read more information.](#)

ADVERSE EXPERIENCES

NIH: End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R01 Clinical Trial Optional) (R21 Clinical Trial Optional)

PAR-19-136; PAR-19-153

Application Submission Deadline: October 5, 2021 (R01), October 16, 2021 (R21)

The purpose of this funding opportunity announcement (FOA) is to foster research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults (AYA; defined by the World Health Organization and the Centers for Disease Control and Prevention as youth between 12–24 years of age) with serious, advanced illnesses; and research focused on specific end-of-life/palliative care (EOLPC) models that support the physical, psychological, spiritual, and social needs of AYA with serious illness, their families and caregivers. Applications for PAR-19-136 are due by 5pm local time of applicant organization on October 5, 2021 (R01) and October 16, 2021 (R21).

ARTS

NIH: Promoting Research on Music and Health: Phased Innovation Award for Music Interventions (R61/R33 Clinical Trial Optional)

PAR-20-266

Application Submission Deadline: October 4, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to promote innovative research on music and health with an emphasis on developing music interventions aimed at understanding their mechanisms of action and clinical applications for the treatment of many diseases, disorders, and conditions. Given the emphasis on innovation, little or no preliminary data are needed to apply under this FOA. Because of the need for a multidisciplinary approach, collaborations among basic researchers, translational science researchers, music intervention experts, other clinical researchers, music health professionals, and technology development researchers are encouraged. The FOA utilizes a phased R61/R33

funding mechanism to support mechanistic research and to evaluate the clinical relevance of music interventions. Applications are due by October 4, 2021. [Read more information](#).

BEHAVIOR

NIH: Research Project Grant (Parent R01 Basic Experimental Studies with Humans Required) PA-20-184

Application Submission Deadline: October 5, 2021

The NIH Research Project Grant supports a discrete, specified, circumscribed project in areas representing the specific interests and competencies of the investigator(s). This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should submit under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on their scientific missions. Applications are due by 5pm local time of applicant organization on October 5, 2021. [Read more information](#).

NIH: Secondary Analyses of Existing Datasets of Tobacco Use and Health (R21 Clinical Trial Not Allowed) RFA-OD-21-003

Application Submission Deadline: October 8, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to invite R21 applications proposing the innovative analysis of existing (publicly available) nationally representative U.S. cross-sectional and longitudinal data, including the National Youth Tobacco Survey (NYTS), to investigate novel scientific ideas and/or to generate new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Other publicly available data sets would be considered depending on the analyses to be conducted; however, nationally representative analyses will receive priority. Applications not using nationally representative data sets will need to provide justification why the data set is unique, and why the research questions cannot be answered from a (publicly available) nationally representative data set. This FOA encourages the analyses of public use datasets that may inform tobacco regulatory actions in the United States (U.S.). The awards under this FOA will be administered by NIH using funds that have been made available through FDA-CTP and the Family Smoking Prevention and Tobacco Control Act (P.L. 111-31). Research results from this FOA are expected to generate findings and data that are directly relevant in informing the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health. Research Projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Applications are due by 5:00 PM local time of applicant organization on October 8, 2021. [Read more information](#).

NIH: Mentored Research Scientist Development Award (Parent K01 Independent Basic Experimental Studies with Humans Required) PA-20-191

Application Submission Deadline: October 12, 2021

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three to five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIH: Pathway to Independence Award (Parent K99/R00 Independent Basic Experimental Studies with Humans Required)

PA-20-189**Application Submission Deadline: October 12, 2021**

The purpose of the NIH Pathway to Independence Award (K99/R00) program is to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 12, 2021. [Read more information](#).

NIH: Exploratory/Developmental Research Grant Program (Parent R21 Basic Experimental Studies with Humans Required)**PA-20-196****Application Submission Deadline: October 16, 2021**

The NIH Exploratory/Developmental Grant supports exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to in [NOT-OD-18-212](#) as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should submit under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

NIH: Developmental AIDS Research Centers on Mental Health and HIV/AIDS (P30 Clinical Trial Optional)**PAR-20-307; PAR-20-308****Application Submission Deadline: August 25, 2022**

The National Institute of Mental Health (NIMH) Division of AIDS Research (DAR) encourages applications for Center Core grants (P30) to support Developmental HIV/AIDS Research Centers (D-ARC). The D-ARC is intended to provide infrastructure support that facilitates the development of high impact science in HIV/AIDS and mental health that is relevant to the NIMH mission. This Funding Opportunity Announcement (FOA) intends to support innovative, interdisciplinary research in several areas, including basic, NeuroHIV, behavioral and social, integrated biobehavioral, applied, clinical, translational, and implementation science. All applications are due by 5:00 PM local time of applicant organization on August 25, 2022. Read more information: [PAR-20-307](#), [PAR-20-308](#)

NIMH: Computationally-Defined Behaviors in Psychiatry (R21 Clinical Trial Optional)**PAR-21-264****Application Submission Deadline: November 1, 2021**

This Funding Opportunity Announcement (FOA) from the National Institute of Mental Health (NIMH) solicits applications for research projects that will apply computational approaches to develop parametrically detailed behavioral assays across mental-health relevant domains of function. These projects should focus on behavior in humans and test computational models in healthy, trans-diagnostic, unselected, or community samples. NIMH is particularly interested in 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 in models that have the potential to be extended to clinical populations. To maximize prospects of back-translation and to provide a neurobiological foundation for future research, studies will need to consider behavioral models and parameters that are linked to the underlying neural processes that may be involved in their computation. Finally, in order to ensure ecological validity of behavioral assays, models derived from lab-based behavioral tasks will need to be tested for generalizability to behavioral data collected in a real-world setting. All applications are due by 5:00 PM local time of applicant organization on November 1, 2021. [Read more information](#).

NSF: Human Networks and Data Science (HNDS)**NSF 21-514**

Application Submission Deadline: First Thursday in February, Annually

The Human Networks and Data Science program (HNDS) supports research that enhances understanding of human behavior and how humans interact with and are influenced by their environments by leveraging data science and network science research across a broad range of topics. HNDS research will identify ways in which dynamic, distributed, and heterogeneous data can provide novel answers to fundamental questions about individual and group behavior. HNDS is especially interested in proposals that provide data-rich insights about human networks to support improved health, prosperity, and security. The HNDS program offers two tracks: one for infrastructure projects and one for core research activities. Infrastructure projects (HNDS-I) will develop user-friendly large-scale next-generation data resources and relevant analytic techniques to advance fundamental research in SBE areas of study. Core research projects (HNDS-R) will address theoretically motivated questions about the nature, causes, and/or consequences of human behavior (broadly defined) that occurs within the multidimensional contexts defined by the networks that determine the human experience, from the biological networks in the human body to the sociocultural, economic and geospatial networks that comprise human societies. All applications are due by 5:00 PM local time of applicant organization on the first Thursday in February, annually. [Read more information.](#)

BRAIN FUNCTION AND DEVELOPMENT; NEUROBIOLOGY**NIGMS Postdoctoral Research Associate Training (PRAT) Program (Fi2)****PAR-19-286****Application Submission Deadline October 4, 2021**

The NIGMS Postdoctoral Research Associate Training (PRAT) Program's overarching goal is to provide high quality postdoctoral research training in the basic biomedical sciences to a diverse group of postdoctoral fellows in NIH Intramural research laboratories, and to prepare them for leadership positions in biomedical careers. Research projects proposed should focus on areas within the NIGMS mission, which include but are not limited to biological chemistry, biophysics, bioinformatics, cellular and molecular biology, computational biosciences, developmental biology, genetics, immunology, neuroscience, pharmacology, physiology, and technology development. In addition to the laboratory experience, the PRAT program provides a structured training environment with extensive career and professional development, mentoring, and networking opportunities planned and supported by the program. Applications are due by 5pm local time of applicant organization on October 4, 2021. [Read more information.](#)

NIH: Blueprint for Neuroscience Research: Tools and Technologies to Explore Nervous System Biomolecular Condensates (R21 Clinical Trial Not Allowed)**RFA-DA-22-008****Application Submission Deadline: September 15, 2021**

The NIH Blueprint for Neuroscience Research is a collaborative framework through which 14 NIH Institutes, Centers and Offices jointly support neuroscience related research, with the aim of accelerating discoveries and reducing the burden of nervous system disorders (for further information, see <http://neuroscienceblueprint.nih.gov/>). The purpose of this FOA is to support the development of innovative tools and/or technologies to monitor or manipulate biomolecular condensates (BMCs) in vivo and enable investigators to adopt these tools to answer outstanding questions in basic neuroscience. This research will transform our understanding of the mechanistic role of BMCs in human nervous system health and disease and may serve as the foundation for the development of novel BMC-based therapeutics. Applications are due by 5pm local time of applicant organization on September 15, 2021. [Read more information.](#)

NIH: BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00 Independent Clinical Trial Not Allowed) (K99/R00 Independent Clinical Trial Required)**RFA-NS-19-043; RFA-NS-19-044****Application Submission Deadline: October 6, 2021**

The purpose of the NIH BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00) program is to enhance workforce diversity in the neuroscience workforce and maintain a strong cohort of new and talented, NIH-supported, independent investigators from diverse backgrounds in [BRAIN Initiative research areas](#). This program is designed to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. Applications are due by October 5, 2021. [RFA-NS-19-043](#); [RFA-NS-19-044](#).

New NIH: BRAIN Initiative: Research on the Ethical Implications of Advancements in Neurotechnology and Brain Science (R01 Clinical Trial Optional)

RFA-MH-21-205**Application Submission Deadline: October 13, 2021**

Guided by the goals established in BRAIN 2025: A Scientific Vision and reinforced by the Advisory Council to the Director Working Group on BRAIN 2.0 Neuroethics Subgroup, this Funding Opportunity Announcement (FOA) from the National Institutes of Health (NIH) Brain Research through Advancing Innovative Neurotechnologies® (BRAIN) Initiative is intended to support efforts addressing core ethical issues associated with research focused on the human brain and resulting from emerging technologies and advancements supported by the BRAIN Initiative. This FOA encourages research project grant applications from multi-disciplinary teams focused on key ethical issues associated with BRAIN Initiative supported research areas. Efforts supported under this FOA are intended to be both complementary and integrative with the transformative, breakthrough neuroscience discoveries supported through the BRAIN Initiative. Applications are due by 5:00 PM local time of applicant organization on October 13, 2021. [Read more information.](#)

NIH: BRAIN Initiative: Integration and Analysis of BRAIN Initiative Data (R01 Clinical Trial Not Allowed)**RFA-MH-21-135****Application Submission Deadline: October 15, 2021**

This Funding Opportunity Announcement (FOA) solicits applications to develop informatics tools for analyzing, visualizing, and integrating data related to the BRAIN Initiative or to enhance our understanding of the brain. As part of programs of building the informatics infrastructure for the BRAIN Initiative, the FOA supports several different, but related activities. These include modifying existing analysis and visualization tools to deal with BRAIN Initiative data and integrating different types of BRAIN Initiative datasets. Proposing the development of new tools to deal with BRAIN Initiative data is also permitted. The tools supported under this FOA will make use of relevant data standards and will be built so that they can be integrated into the data repositories, both of which are created in awards under the other FOAs of the BRAIN initiative informatics program. The tools must be user-friendly in accessing and analyzing data from appropriate data archives and should analyze/visualize data without requiring users to download data. The tools should also allow data to be combined for analysis/visualization from multiple locations. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

NIH: Discovery of Cell-based Chemical Probes for Novel Brain Targets (R21 Clinical Trial Not Allowed)**PAR-21-028****Application Submission Deadline: October 16, 2021**

This Funding Opportunity Announcement (FOA) intends to support investigators who have interest and capability to join efforts for the discovery of cell-based chemical probes for novel brain targets. It is expected that applicants will have in hand the starting compounds (validated hits) for chemical optimization and bioassays for testing new analog compounds. Through this FOA, NIH wishes to stimulate research in: 1) discovery and development of novel, small molecules for their potential use in understanding biological processes relevant to the missions of NIMH, NIA, NICHD, and/or NIDCD (National Institute on Deafness and Other Communication Disorders); and 2) discovery and/or validation of novel, biological targets that will inform studies of brain disease mechanisms. Emphasis will be placed on projects that provide new insight into important disease-related biological targets and biological processes. The main emphasis of projects submitted under this FOA should be in the discovery of cell-based chemical probes. All applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NIH: BRAIN Initiative: Pilot resources for brain cell type-specific access and manipulation across vertebrate species (U01 Clinical Trial Not Allowed)**RFA-MH-20-556****Application Submission Deadline: October 19, 2021**

This Funding Opportunity Announcement (FOA) from the NIH Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative is intended to support the development of technologies, production efforts, and dissemination resources for a cell type-specific armamentarium to study brain function across species. The goal is to promote evaluation of molecular or genetic technologies and creation of pilot production and distribution resources for cell type-specific access and manipulation reagents for several vertebrate species, including in human ex vivo tissues or cells. Demonstration projects are sought that would develop reagents that: (1) enable access to molecularly defined neural cell types in a complex brain region or significant brain network of a vertebrate; (2) are easily produced, disseminated, utilized, and stored; and (3) are catalogued for users in a brain atlas. In addition to the above required features, reagents are also sought that exhibit the following qualities: (4) are applicable to both genetically tractable and less tractable vertebrate organisms; (5) exhibit high specificity and efficiency of targeting; (6) show low toxic or perturbative effects; (7) provide flexibility to deliver various reporter, sensor, and effector payloads and are compatible with other methods of access to brain cell types; and (8) are potentially usable in human ex vivo brain tissue or cells. The pilot projects should be scalable in the future. The long-term goal of a potentially scaled-up effort is to achieve near comprehensive, molecular access for monitoring and manipulation reagents in each defined cell type of vertebrate brains

relevant to neuroscience research. All applications are due by 5:00 PM local time of applicant organization on October 19, 2021. [Read more information.](#)

NIH: BRAIN Initiative: Clinical Studies to Advance Next-Generation Invasive Devices for Recording and Modulation in the Human Central Nervous System (UH3 Clinical Trial Optional)

RFA-NS-21-024

Application Submission Deadline: October 20, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to encourage investigators to pursue first-in-human or early stage clinical studies for recording and/or stimulating devices to treat central nervous system disorders and better understand the human brain. Only Significant Risk (SR) studies that require an Investigational Device Exemption (IDE) from the FDA, such as chronic implants, will be supported by this FOA. The clinical study is expected to provide data to answer key questions about the function or final design of a device and is expected to provide information about the device function or final design that cannot be practically obtained through additional non-clinical assessments (e.g., bench top or animal studies) due to the novelty of the device or its intended use. This FOA is part of a milestone-driven cooperative agreement program and will involve participation of NIH program staff in negotiating the final project plan before award and monitoring of research progress. Applications are due by 5pm local time of the applicant organization on October 20, 2021. [Read more information.](#)

NIH: BRAIN Initiative: New Concepts and Early-Stage Research for Recording and Modulation in the Nervous System (R21) (Clinical Trial Not Allowed)

RFA-EY-21-001

Application Submission Deadline: October 29, 2021

This FOA seeks applications for unique and innovative recording and/or modulation technologies that are in the earliest stage of development, including new and untested ideas that are in the initial stages of conceptualization. Some projects may aim to increase recording or modulation capabilities by many orders of magnitude, while others may aim to improve the precision and selectivity of recording or modulation (also referred to as stimulation, perturbation, or manipulation). A wide range of modalities are appropriate including acoustic, chemical, electrical, magnetic, optical and chemical, as well as the use of genetic tools. Invasive or non-invasive approaches are sought that will enable large-scale recording and/or precise manipulation of neural activity, and that would ultimately be compatible with experiments in humans or behaving animals. Applications are encouraged from any qualified individuals, including physicists, engineers, theoreticians, and scientists, especially those not typically involved with neuroscience research. Applications are due by 5pm local time of applicant organization on October 29, 2021. [Read more information.](#)

NIH: BRAIN Initiative: New Technologies and Novel Approaches for Recording and Modulation in the Nervous System (R01 Clinical Trial Not Allowed)

RFA-NS-21-026

Application Submission Deadline: October 29, 2021

Understanding the dynamic activity of brain circuits is central to the NIH BRAIN Initiative. This FOA seeks applications for proof-of-concept testing and development of new technologies and novel approaches for recording and modulation (including various modalities for stimulation/activation, inhibition and manipulation) of cells (i.e., neuronal and non-neuronal) and networks to enable transformative understanding of dynamic signaling in the central nervous system (CNS). This FOA seeks exceptionally creative approaches to address major challenges associated with recording and modulating CNS activity, at or near cellular resolution, at multiple spatial and/or temporal scales, in any region and throughout the entire depth of the brain. It is expected that the proposed research may be high-risk, but if successful, could profoundly change the course of neuroscience research. Proposed technologies should be compatible with experiments in behaving animals, validated under in vivo experimental conditions, and capable of reducing major barriers to conducting neurobiological experiments and making new discoveries about the CNS. Technologies may engage diverse types of signaling beyond neuronal electrical activity such as optical, magnetic, acoustic and/or genetic recording/manipulation. Applications that seek to integrate multiple approaches are encouraged. If suitable, applications are expected to integrate appropriate domains of expertise, including biological, chemical and physical sciences, engineering, computational modeling and statistical analysis. Applications are due by 5:00 PM local time of applicant organization on October 29, 2021. [Read more information.](#)

NIH: BRAIN Initiative: Research Opportunities Using Invasive Neural Recording and Stimulating Technologies in the Human Brain (U01 Clinical Trial Required)

RFA-NS-19-001

Application Submission Deadline: October 29, 2021

Invasive surgical procedures provide the unique ability to record and stimulate neurons within precisely localized brain structures in humans. Human studies using invasive technology are often constrained by a limited number of patients and

resources available to implement complex experimental protocols and are rarely aggregated in a manner that addresses research questions with appropriate statistical power. Therefore, this RFA seeks applications to assemble diverse, integrated, multi-disciplinary teams that cross boundaries of interdisciplinary collaboration to overcome these fundamental barriers and to investigate high-impact questions in human neuroscience. Projects should maximize opportunities to conduct innovative in vivo neuroscience research made available by direct access to brain recording and stimulating from invasive surgical procedures. Projects should employ approaches guided by specified theoretical constructs and quantitative, mechanistic models where appropriate. Letter of Intent due 30 days before application deadline. Applications are due by 5pm local time of applicant organization on October 29, 2021. [Read more information](#).

NIH: BRAIN Initiative: Team-Research BRAIN Circuit Programs – TeamBCP (U19 Clinical Trial Required) (U19 Clinical Trial Not Allowed)

RFA-NS-19-002; RFA-NS-19-003

Application Submission Deadline: October 29, 2021

This RFA will support integrated, interdisciplinary research teams from prior BRAIN technology and/or integrated approaches teams, and/or new projects from the research community that focus on examining circuit functions related to behavior, using advanced and innovative technologies. The goal will be to support programs with a team science approach that can realize meaningful outcomes within 5-plus years. Awards will be made for 5 years, with a possibility of one renewal. Projects will incorporate overarching principles of circuit function in the context of specific neural systems underlying sensation, perception, emotion, motivation, cognition, decision-making, motor control, communication, or homeostasis. Programs should employ multi-component teams of research expertise – including neurobiologists, statisticians, physicists, mathematicians, engineers, computer scientists, and data scientists, as appropriate - that seek to cross boundaries of interdisciplinary collaboration. Applications are due by 5pm local time of applicant organization on October 29, 2021. Read more information: [RFA-NS-19-002](#); [RFA-NS-19-003](#).

new NIH: BRAIN Initiative Cell Atlas Network (BICAN): Comprehensive Center on Human and Non-human Primate Brain Cell Atlases (UM1 Clinical Trial Not Allowed)

RFA-MH-21-235

Application Submission Deadline: November 9, 2021

This Funding Opportunity Announcement (FOA) from the National Institutes of Health (NIH) intends to support a group of large-scale Comprehensive Centers that will adopt scalable technology platforms and streamlined sampling strategies and assay cascade to create comprehensive and highly granular brain cell atlases of human and non-human primates with an emphasis on human. The Centers are expected to characterize all brain cell types (neurons, glia, and other non-neuronal cells) at high-resolution. The overarching goal of the BRAIN Initiative Cell Atlas Network (BICAN) is to build reference brain cell atlases that will be widely used throughout the research community, providing a molecular and anatomical foundational framework for the study of brain function and disorders. Applications are due by 5:00 PM local time of applicant organization on November 9, 2021. [Read more information](#).

new NIH: BRAIN Initiative Cell Atlas Network (BICAN): Coordinating Unit for Biostatistics, Informatics, and Engagement (CUBIE) (U24 Clinical Trial Not Allowed)

RFA-MH-21-237

Application Submission Deadline: November 9, 2021

This Funding Opportunity Announcement (FOA) from the National Institutes of Health (NIH) intends to support a Coordinating Unit for Biostatistics, Informatics, and Engagement (CUBIE) that will be composed of four elements to establish respectively (1) a common sequencing data processing pipeline, (2) a common imaging data processing pipeline, (3) a comprehensive brain cell knowledge base, and (4) an engagement and outreach element to coordinate the research within and beyond BICAN. The overall goals of CUBIE are to (i) enable the exploration of large-scale brain cell atlas data and knowledge, and inspire research in brain function and disorders; and (ii) ensure research rigor and data reproducibility by making the data Findable, Accessible, Interoperable, and Reusable (FAIR), and the process transparent. An application is expected to propose only one of the above four respective elements. Applications are due by 5:00 PM local time of applicant organization on November 9, 2021. [Read more information](#).

NIH: Joint NINDS/NIMH Exploratory Neuroscience Research Grant (R21 Clinical Trial Optional)

PA-21-219

Application Submission Deadline: February 16, 2022

The Joint National Institute of Neurological Disorders and Stroke (NINDS)/National Institute of Mental Health (NIMH) Exploratory Neuroscience Research Grant program supports exploratory and innovative research projects, which fall within the missions of the NINDS and NIMH. The NIMH Division of Neuroscience and Basic Behavioral Science encourages applications aligned with Goal 1 of the NIMH 2020 Strategic Plan. The NIMH Division of AIDS Research also invites applications in the program areas outlined on the HIV Neuropathogenesis, Genetics, and Therapeutics Branch

webpage that are aligned with the NIH Strategic Plan for HIV and HIV-related Research. Awards will provide support for the early and conceptual stages of projects. These studies often assess the feasibility of a novel avenue of investigation and involve considerable risk but have the potential to bring about breakthroughs in the understanding of important areas of neuroscience, or to the development of novel techniques, agents, methodologies, or models, of high value to the neuroscience community. While this funding opportunity also accepts clinical trials, only applications proposing “mechanistic clinical trials or studies” (studying pathophysiology or mechanism of action of an intervention, but not safety or efficacy) or basic experimental studies with humans (BESH) will be supported. Applications are due by 5pm local time of the applicant organization on February 16, 2022. [Read more information.](#)

NIH: BRAIN Initiative Fellows: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (F32)

RFA-MH-20-620

Application Submission Deadline: April 11, 2022

The purpose of the The Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative Fellows (F32) program is to enhance the research training of promising postdoctorates, early in their postdoctoral training period, who have the potential to become productive investigators in research areas that will advance the goals of the BRAIN Initiative. Applications are encouraged in any research area that is aligned with the BRAIN Initiative, including neuroethics. Applicants are expected to propose research training in an area that clearly complements their predoctoral research. Formal training in analytical tools appropriate for the proposed research is expected to be an integral component of the research training plan. In order to maximize the training potential of the F32 award, this program encourages applications from individuals who have not yet completed their terminal doctoral degree and who expect to do so within 12 months of the application due date. On the application due date, candidates may not have completed more than 12 months of postdoctoral training. Applications are due by 5:00 PM local time of applicant organization on April 11, 2022. [Read more information.](#)

NIH: Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences (T32 Clinical Trial Not Allowed)

PAR-20-076

Application Submission Deadline: May 25, 2022

The Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences (JSPTPN) is an institutional program that supports broad and fundamental research training in the neurosciences. In addition to a broad education in the neurosciences, a key component will be a curriculum that provides a strong foundation in experimental design, statistical methodology and quantitative reasoning. JSPTPN programs are intended to be 2 years in duration and students may only be appointed to this training grant during the first 2 years of their graduate research training. The primary objective is to prepare students to be outstanding scientists equipped to pursue careers in neuroscience. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on May 25, 2022. [Read more information.](#)

NEW NIMH: Utilizing Invasive Recording and Stimulating Opportunities in Humans to Advance Neural Circuitry Understanding of Mental Health Disorders (R21 Clinical Trial Optional; R01 Clinical Trial Optional)

PAR-21-288; PAR-21-289

Application Submission Deadline: October 5, 2021; October 16, 2021

The purpose of this Funding Opportunity Announcement (FOA) from the National Institute of Mental Health (NIMH) is to encourage applications to pursue invasive neural recording studies focused on mental health-relevant questions. Invasive neural recordings provide an unparalleled window into the human brain to explore the neural circuitry and neural dynamics underlying complex moods, emotions, cognitive functions, and behaviors with high spatial and temporal resolution. Additionally, the ability to stimulate, via the same electrodes, allows for direct causal tests by modulating network dynamics. This FOA aims to target a gap in the scientific knowledge of neural circuit function related to mental health disorders. Researchers should target specific questions suited to invasive recording modalities that have high translational potential. Development of new therapies is outside the scope of this FOA, though development of novel tools/methods to enable relevant mental health studies is encouraged. The R21 grant mechanism, encouraging shorter, higher-risk applications whereas the R01 grant mechanism, encourages longer-term projects. Applications are due by 5:00 PM local time of applicant organization on October 5, 2021 for PAR-21-288 and October 16, 2021 for PAR-21-289. Read more information: [PAR-21-288](#); [PAR-21-289](#).

NIMH: Computational Approaches for Validating Dimensional Constructs of Relevance to Psychopathology (R01 Clinical Trial Optional)

PAR-21-263

Application Submission Deadline: November 1, 2021

This Funding Opportunity Announcement (FOA) solicits applications for research projects that will use computational approaches to test the validity of dimensional constructs in the National Institute of Mental Health (NIMH) Research Domain Criteria (RDoC) matrix (or similar constructs based on comparable criteria). Some elements of the RDoC matrix have been updated since its first release, but a thorough data-driven validation that broadly explores, compares, and validates the constructs within the matrix has not been performed. This FOA seeks research that addresses the following questions: Do the different domains of behavior segregate from each other? How much do they rely on distinct versus overlapping neural circuits? What are the relationships between domains, constructs, and subordinate sub-constructs, both in terms of their correlational structure and their underlying neural circuitry? By answering these questions, proposed research projects will test integrative models of functioning and identify dysregulation in psychopathology-related mechanisms that may cut across traditional diagnostic categories and may change over time. This FOA seeks to promote projects where the computational and the experimental components are well integrated. To ensure ecological validity of these studies, models derived from lab-based behavioral tasks will need to be tested for generalizability to behavioral data collected in a real-world setting. The ultimate goal is to advance translational research that will identify novel classification approaches and/or treatment targets, and lead to more effective and timely interventions for serious mental illnesses. All applications are due by 5:00 PM local time of applicant organization on November 1, 2021. [Read more information.](#)

NINDS: Faculty Development Award to Promote Diversity in Neuroscience Research (K01 Independent Clinical Trial Not Allowed)

PAR-21-234

Application Submission Deadline: October 12, 2021

The purpose of the National Institute of Neurological Disorders and Stroke (NINDS) Faculty Development Award to Promote Diversity in Neuroscience Research (K01) is to diversify the pool of independent neuroscience research investigators by providing junior faculty with research cost support, protected research time and career stage appropriate professional development mentorship in neuroscience research. Individuals from diverse backgrounds, including those from groups underrepresented in biomedical research are eligible for support under this award if they have doctoral research degrees (Ph.D. or equivalent) and are in the first 3 years of a faculty tenure track or equivalent position at the time of application. This Funding Opportunity Announcement (FOA) is designed specifically for candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Under this FOA candidates are permitted to propose a research experience in a clinical trial led by a mentor or co-mentor. Those proposing a clinical trial or an ancillary study to an ongoing clinical trial as lead investigator, should apply to the companion FOA (PAR-21-153). Applications are due by 5:00 PM local time of applicant organization on October 12, 2021. [Read more information.](#)

NINDS: Ruth L. Kirschstein National Research Service Award (NRSA) for Training of Postdoctoral Fellows (F32 Clinical Trial Not Allowed)

PAR-21-032

Application Submission Deadline: October 14, 2021

The purpose of this award is to support outstanding scientific training of highly promising postdoctoral candidates with outstanding mentors. Candidates are eligible to apply for support from this program from ~12 months prior to the start of the proposed postdoctoral position to within 12 months after starting in the proposed postdoctoral position. This National Institute of Neurological Disorders and Stroke (NINDS) F32 seeks to foster early, goal-directed planning and to encourage applications for bold and/or innovative projects by the candidate that have the potential for significant impact. Inclusion of preliminary data is strongly discouraged; rather, this F32 seeks innovative research ideas and thoughtful plans for training and mentorship that will facilitate the development of the postdoctoral fellow into an outstanding scientist. Applications are expected to incorporate strong training in quantitative reasoning and the quantitative principles of experimental design and analysis. Support by this program is limited to the first 4 years of a candidate's activity in a specific laboratory or research environment, so as to further encourage early, thoughtful planning and timely completion of "mentored training" within a particular lab or environment. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. [Read more information.](#)

NINDS: Innovation Grants to Nurture Initial Translational Efforts (IGNITE): Development and Validation of Model Systems to Facilitate Neurotherapeutic Discovery (R61/R33 Clinical Trial Not Allowed)

PAR-21-123

Application Submission Deadline: October 19, 2021

This funding opportunity announcement (FOA) encourages the development and validation of animal models and human/animal tissue ex vivo systems that recapitulate the phenotypic and physiologic characteristics of a defined neurological or neuromuscular disorder. The goal of this FOA is to promote a significant improvement in the translational relevance of animal models or ex vivo systems that will be utilized to facilitate future development of neurotherapeutics. Ideally, models proposed for this FOA would have the potential to provide feasible and meaningful assessments of

efficacy following therapeutic intervention that would be applicable in both preclinical and clinical settings. This FOA is part of a suite of Innovation Grants to Nurture Initial Translational Efforts (IGNITE) Program focused on enabling the exploratory and early stages of drug discovery. Applications are due by 5:00 PM local time of applicant organization on October 19, 2021. [Read more information.](#)

COGNITIVE DEVELOPMENT AND LEARNING SCIENCES

NSF: Developmental and Learning Sciences

Application Submission Deadline: January 15 and July 15 annually

The National Science Foundation's Developmental and Learning Sciences program (DLS) supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens. Among the many research topics supported by DLS are: developmental cognitive neuroscience; development of higher-order cognitive processes; transfer of knowledge from one domain or situation to another; use of molecular genetics to study continuities and discontinuities in development; development of peer relations and family interactions; multiple influences on development, including the impact of family, school, community, social institutions, and the media; adolescents' preparation for entry into the workforce; cross-cultural research on development and learning; and the role of cultural influences and demographic characteristics on development. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence). This program supports Integrative Research Activities for Developmental Science (IRADS). The program currently is at its capacity for supporting such large-scale awards, and is therefore not considering new IRADS proposals at this point in time. The program is accepting proposals for individual investigator projects (average total budget of approximately \$100,000 per year) and workshops/ small conferences (average total one-time budget of approximately \$15,000). [Read more information.](#)

COVID-19

New ED: OPE: Higher Education Emergency Relief Fund (HEERF), Section 2003 of the American Rescue Plan (ARP) for Institutions of Higher Education (IHE) that meet the criteria for the Minority Serving Institutions (MSIs) Program Assistance Listing Number 84.425L ED-GRANTS-080221-001

Application Submission Deadline: October 1, 2021

On March 11, 2021, the President signed the ARP into law (Pub. L. 117-2). This law makes available approximately \$39.6 billion for IHEs under HEERF, with funding appropriated through existing programs authorized under the CRRSAA. With this notice, the Secretary of the Department of Education (ED) Office of Postsecondary Education (OPE) is announcing the availability of HEERF grant funds under the ARP (a)(2) MSI program (ALN 84.425L). Eligible institutions are IHEs, as defined in sections 101 and 102(c) of the HEA, 20 U.S.C. 1001 and 1002(c). Allocations for eligible IHEs will be calculated according to the formulas found in ARP section 2003(2) and section 314(a)(2) of the CRRSAA. Under ARP section 2003, grant awards under this program may be used to (1) defray expenses associated with the coronavirus, including lost revenue, reimbursement for expenses already incurred, technology costs associated with a transition to distance education, faculty and staff training, and payroll; and (2) provide financial aid grants to students (including students exclusively enrolled in distance education), which may be used for any component of the student's cost of attendance or for emergency costs that arise due to the coronavirus, such as tuition, food, housing, health care, mental health care, or childcare. In making financial aid grants to students, an IHE must prioritize grants to students with exceptional need, such as Pell recipient students. IHEs are urged to devote the maximum amount of funds possible to student financial aid grants. Additionally, under ARP section 2003(5), institutions must use a portion of their funds under ALN 84.425L to (1) implement evidence-based practices to monitor and suppress coronavirus in accordance with the public health guidelines; and (2) conduct direct outreach to financial aid applicants about the opportunity to receive a financial aid adjustment due to recent unemployment status or other changes in financial circumstances as described in section 479A of the HEA (20 U.S.C. 1087t). Applications are due by October 1, 2021. [Read more information.](#)

New ED: OPE: Higher Education Emergency Relief Fund (HEERF), Section 2003 of the American Rescue Plan (ARP) for Institutions of Higher Education (IHE) that meet the criteria as a Strengthening Institutions Program (SIP), Assistance Listing Number 84.425M

ED-GRANTS-080221-002

Application Submission Deadline: October 1, 2021

On March 11, 2021, the President signed the ARP into law (Pub. L. 117-2). This law makes available approximately \$39.6 billion for IHEs under HEERF, with funding appropriated through existing programs previously authorized under the CRRSAA. With this notice, the Secretary of the Department of Education (ED) is announcing the availability of HEERF grant funds under the ARP (a)(2) SIP program (ALN 84.425M). Eligible institutions are institutions of higher education, as defined in sections 101 and 102(c) of the Higher Education Act of 1965, as amended (HEA), 20 U.S.C. 1001 and 1002(c). Allocations for these eligible IHEs will be calculated according to the formulas in ARP section 2003(2) and CRRSAA section 314(a)(2). Under ARP section 2003, grant awards under this program may be used to (1) defray expenses associated with the coronavirus, including lost revenue, reimbursement for expenses already incurred, technology costs associated with transitioning to distance education, faculty and staff training, and payroll; and (2) provide financial aid grants to students (including students exclusively enrolled in distance education), which may be used for any component of the student's cost of attendance or emergency costs due to the coronavirus, such as tuition, food, housing, health care, mental health care, or child care. In making financial aid grants to students, an institution must prioritize grants to students with exceptional need, such as Pell recipient students. IHEs are urged to make financial aid grants to students to the maximum extent possible. Additionally, under ARP section 2003(5), IHEs must use a portion of their funds under ALN 84.425M to (1) implement evidence-based practices to monitor and suppress coronavirus in accordance with the public health guidelines; and (2) conduct direct outreach to financial aid applicants about the opportunity to receive a financial aid adjustment due to recent unemployment status or other changes in financial circumstances as described in section 479A of the HEA (20 U.S.C. 1087tt). Applications are due by October 1, 2021. [Read more information.](#)

DATA SHARING AND TRANSLATION

NIAAA: Resource-Related Research Projects (R24 Clinical Trial Not Allowed)

PAR-21-072

Application Submission Deadline: September 25, 2021

The purpose of the Resource-Related Research Projects (R24) grant provided by the National Institute on Alcohol Abuse and Alcoholism (NIAAA) is to support investigator-initiated resources designed to provide materials and services to support and advance biomedical research on a national basis. An R24 resource grant mechanism is a non-hypothesis-driven activity to provide data, materials, tools, or services that are essential to making timely, high quality, and cost-efficient progress in a field. Hypothesis-driven research applications should not be submitted in response to this program announcement but to another mechanism that encourages this type of research. The resource should be available to any qualified investigator, and should be highly quality controlled, and not duplicate resources available commercially or through other sources. Resources should be designed to provide services to the broad alcohol research community and should not be limited by any specific regional focus. Applications are due by 5:00 PM local time of applicant organization on September 25, 2021. [Read more information.](#)

NICHD: Archiving and Documenting Child Health and Human Development Data Sets (R03 Clinical Trial Not Allowed)

PAR-20-064

Application Submission Deadline: October 16, 2021

The purpose of this funding opportunity announcement (FOA) is to support the archiving and documentation of existing data sets within the scientific mission of the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD) in order to enable secondary analysis of these data by the scientific community. The highest priority is to archive original data collected with NICHD funding. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information.](#)

New NIDDK: Understanding and Targeting the Pathophysiology of Youth-onset Type 2 Diabetes – Biostatistics Research Center (U01 Clinical Trial Not Allowed)

RFA-DK-21-003

Application Submission Deadline: March 3, 2022

This FOA from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications for a Biostatistics Research Center to participate in a clinical consortium to better understand youth-onset type 2 diabetes (T2D). A separate FOA (RFA-DK-21-002) invites Clinical Centers to recruit a cohort of early pubertal youth at risk for developing type 2 diabetes and study them through puberty. The ultimate goals of this consortium will be to 1) develop more precise prediction of which individuals are truly at risk for developing youth-onset T2D and identify determinants of progression from prediabetes to T2D so that, ultimately, targeted prevention approaches can be developed and tested; and 2) increase understanding of the physiologic drivers of youth-onset T2D to guide development of more effective

strategies to achieve glycemic control and preserve beta cell function. Applications are due by 5:00 PM local time of applicant organization on March 2, 2022. [Read more information.](#)

NIH: Ethical Issues in Translational Science Research (R01 Clinical Trial Optional)

RFA-TR-20-001

Application Submission Deadline: October 6, 2021

The purpose of this Funding Opportunity Announcement is to support research to address ethical issues in translational science research. Collaboration between bioethicists, legal scholars, social scientists, and translational research scientists is encouraged. The focus is to develop knowledge to inform the ethical development, modification, or application of novel findings, technologies, and approaches to improve human health, including their impact on individuals, families, communities, and society. Applications are due by October 6, 2021. [Read more information.](#)

NIH: Secondary Analyses of Existing Datasets of Tobacco Use and Health (R21 Clinical Trial Not Allowed)

RFA-OD-21-003

Application Submission Deadline: October 8, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to invite R21 applications proposing the innovative analysis of existing (publicly available) nationally representative U.S. cross-sectional and longitudinal data, including the National Youth Tobacco Survey (NYTS), to investigate novel scientific ideas and/or to generate new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Other publicly available data sets would be considered depending on the analyses to be conducted; however, nationally representative analyses will receive priority. Applications not using nationally representative data sets will need to provide justification why the data set is unique, and why the research questions cannot be answered from a (publicly available) nationally representative data set. This FOA encourages the analyses of public use datasets that may inform tobacco regulatory actions in the United States (U.S.). The awards under this FOA will be administered by NIH using funds that have been made available through FDA-CTP and the Family Smoking Prevention and Tobacco Control Act (P.L. 111-31). Research results from this FOA are expected to generate findings and data that are directly relevant in informing the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health. Research Projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Applications are due by 5:00 PM local time of applicant organization on October 8, 2021. [Read more information.](#)

NSF: Human Networks and Data Science (HNDS)

NSF 21-514

Application Submission Deadline: First Thursday in February, Annually

The Human Networks and Data Science program (HNDS) supports research that enhances understanding of human behavior and how humans interact with and are influenced by their environments by leveraging data science and network science research across a broad range of topics. HNDS research will identify ways in which dynamic, distributed, and heterogeneous data can provide novel answers to fundamental questions about individual and group behavior. HNDS is especially interested in proposals that provide data-rich insights about human networks to support improved health, prosperity, and security. The HNDS program offers two tracks: one for infrastructure projects and one for core research activities. Infrastructure projects (HNDS-I) will develop user-friendly large-scale next-generation data resources and relevant analytic techniques to advance fundamental research in SBE areas of study. Core research projects (HNDS-R) will address theoretically motivated questions about the nature, causes, and/or consequences of human behavior (broadly defined) that occurs within the multidimensional contexts defined by the networks that determine the human experience, from the biological networks in the human body to the sociocultural, economic and geospatial networks that comprise human societies. All applications are due by 5:00 PM local time of applicant organization on the first Thursday in February, annually. [Read more information.](#)

DEVELOPMENTAL DISABILITIES

NIH: Clinical Trials Development for Co-Occurring Conditions in Individuals with Down syndrome: Phased Awards for INCLUDE (R61/R33 Clinical Trial Required)

RFA-OD-20-003

Application Submission Deadline: November 3, 2021

This Funding Opportunity Announcement (FOA) encourages Exploratory/Developmental Phased Innovation (R61/R33) grant applications to support development of clinical trials to treat critical and co-occurring health conditions in individuals with Down syndrome. The proposed research aims should be milestone-driven. The total project period for an application submitted in response to this FOA may not exceed five years. This FOA provides support for up to two years (R61 phase)

for preliminary/developmental/planning studies, followed by possible transition to clinical trial support (R33) of up to three years, although the total duration of the award may not exceed five years. This FOA requires measurable R61 milestones. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on November 3, 2021. [Read more information](#).

**NIH: Research on Autism Spectrum Disorders (R03 Clinical Trial Optional)
PA-21-199**

Application Submission Deadline: October 16, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, and optimal means of service delivery in relation to Autism Spectrum Disorders (ASD). An R03 grant supports small, discrete, well-defined projects that can be completed in two years and that require limited resources. R03 applications may include development of new research methodologies or technology, secondary analysis of existing data, and pilot or feasibility studies. Preliminary data are not required, particularly in applications proposing pilot or feasibility studies. Applicants pursuing exploratory/developmental research to support early and conceptual stages of project development should consider the companion R21 FOA, [PA-21-200](#). Applicants pursuing larger studies in established scientific areas where preliminary data are expected should consider the companion R01 FOA, [PA-21-201](#). Applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information](#).

**NIH: INvestigation of Co-occurring conditions across the Lifespan to Understand Down syndrome (INCLUDE)
Clinical Trial Readiness (R21 Clinical Trial Not Allowed)
RFA-OD-20-004**

Application Submission Deadline: November 3, 2021

This Funding Opportunity Announcement (FOA) invites researchers to submit applications for support of clinical projects that address critical needs for clinical trial readiness in Down syndrome. This initiative seeks applications that are intended to facilitate Down syndrome research by enabling efficient and effective movement of candidate therapeutics or diagnostics towards clinical trials for Down syndrome and its co-occurring conditions, and to increase their likelihood of success through development and testing of biomarkers and clinical outcome assessment measures, development and testing of novel trial methods and recruitment strategies, or by defining the presentation and course of the co-occurring conditions in individuals with Down syndrome to enable the design of future clinical trials. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on November 3, 2021. [Read more information](#).

**NIH: Transformative Research Award for the INCLUDE (Investigation of Co-occurring Conditions across the Lifespan to Understand Down syndrome) Project (R01 Clinical Trial Not Allowed)
RFA-OD-20-005**

Application Submission Deadline: November 3, 2021

The NIH INvestigation of Co-occurring conditions across the Lifespan to Understand Down syndromE (INCLUDE) Project is soliciting Transformative Research Award applications to support individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original, and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. Applications from individuals with diverse backgrounds and in any topic relevant to Down syndrome-related research or co-occurring conditions are welcome. No preliminary data are required. Projects must clearly demonstrate, based on the strength of the logic, a compelling potential to produce a major impact in research related to Down syndrome. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on November 3, 2021. [Read more information](#).

**NIH: Human-Animal Interaction (HAI) Research (R01 Clinical Trial Optional) (R03 Clinical Trial Optional) (R21 Clinical Trial Optional)
PAR-20-031; PAR-20-032; PAR-20-033**

Application Submission Deadline: November 30, 2021

This Funding Opportunity Announcement (FOA) invites grant applications for research to examine 1) the impact of Human-Animal Interactions (HAI) on typical and atypical child development and health; 2) the evaluation of animal-assisted intervention for children and adults with disabilities or in need of rehabilitative services; 3) the effects of animals on public health, including cost effectiveness of involving animals in reducing and preventing disease. Applications are due by November 30, 2021. More information: [R01](#); [R03](#); [R21](#).

EDUCATION

ED: Office of Elementary and Secondary Education (OESE): Office of Indian Education (OIE): American Rescue Plan (ARP)-American Indian Resilience in Education (ARP-AIRE) Assistance Listing Number 84.299C ED-GRANTS-071321-001

Application Submission Deadline: September 13, 2021

The purpose of the Department of Education (ED)'s ARP-AIRE program is to support Tribal educational agencies (TEAs) in the provision of direct services to Indian children and youth. Projects must include one or more of the activities authorized under section 6121(c) of the Elementary and Secondary Education Act of 1965, as amended (ESEA). ARP-AIRE is a one-time discretionary grant competition authorized under Section 11006(1) of the American Rescue Plan Act of 2021 (ARP) to provide awards to TEAs for activities authorized under section 6121(c) of the ESEA in order to meet the urgent needs of students in response to the Coronavirus 2019 (COVID-19) pandemic. Those activities include a broad range of direct services to Indian children and youth, their teachers, and families. All applications are due by 5:00 PM local time of applicant organization on September 13, 2021. [Read more information.](#)

IES: Research Grants Focused on Systemic Replication ED-GRANTS-061021-004

Application Submission Deadline: September 9, 2021

In awarding these grants, the Institute of Education Sciences (IES) intends to provide national leadership in expanding knowledge and understanding of (1) developmental and school readiness outcomes for infants and toddlers with or at risk for a disability, (2) education outcomes for all learners from early childhood education through postsecondary and adult education, and (3) employment and wage outcomes when relevant (such as for those engaged in career and technical, postsecondary, or adult education). The IES research grant programs are designed to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all learners. These interested individuals include parents, educators, learners, researchers, and policymakers. The IES National Center for Education Research (NCER) is announcing five competitions - one competition in each of the following areas: education research; education research training; systematic replication in education; statistical and research methodology in education; and using longitudinal data to support State education recovery policymaking. Under this competition, NCER will consider only applications that address identifying what works for whom and under what conditions in education through systematic replication. Applications are due by September 9, 2021. [Read more information.](#)

IES: Education Research ED-GRANTS-061021-001

Application Submission Deadline: September 9, 2021

In awarding these grants, the Institute of Education Sciences (IES) intends to provide national leadership in expanding knowledge and understanding of (1) developmental and school readiness outcomes for infants and toddlers with or at risk for a disability, (2) education outcomes for all learners from early childhood education through postsecondary and adult education, and (3) employment and wage outcomes when relevant (such as for those engaged in career and technical, postsecondary, or adult education). The IES research grant programs are designed to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all learners. These interested individuals include parents, educators, learners, researchers, and policymakers. The IES National Center for Education Research (NCER) is announcing five competitions - one competition in each of the following areas: education research; education research training; systematic replication in education; statistical and research methodology in education; and using longitudinal data to support State education recovery policymaking. Under this competition, NCER will consider only applications that address one of the following topics: Career and Technical Education; Civics Education and Social Studies; Cognition and Student Learning; Early Learning Programs and Policies; Effective Instruction; English Learners; Improving Education Systems; Postsecondary and Adult Education; Literacy; Science, Technology, Engineering, and Mathematics (STEM) Education; Social and Behavioral Context for Academic Learning. Applications are due by September 9, 2021. [Read more information.](#)

New NIH: Effectiveness of School-Based Health Centers to Advance Health Equity (R01 Clinical Trial Optional) PAR-21-287

Application Submission Deadline: February 5, 2022

The purpose of this Funding Opportunity Announcement is to support research that investigates the effectiveness of school-based health centers (SBHCs) as a health services care delivery model to address the needs of school-aged children from populations with health disparities (hence, underserved youth). The mechanisms of impact by which SBHCs

improve the health of at-risk populations such as sexual and gender minority youth, immigrant youth, and youth who reside in rural areas are also a relevant focus for understanding effective models of SBHCs. Projects must include a focus on one or more NIH-designated U.S. populations with health disparities, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, underserved rural populations, and sexual and gender minorities living in the 50 States, tribal lands, and the U.S. territories. The National Institute of Mental Health (NIMH) is specifically interested in applications that examine the effectiveness of SBHC services that support underserved youth across multiple tiers of mental and substance use problems and suicide risk, including: acute cases (e.g. harm directed to self and/or others) that require immediate referral to crisis services (Tier III); assessment and management of youth with mental/substance use disorders (Tier II); and building of protective factors (Tier I), such as programs that enhance problem solving, emotion regulation, and prosocial peer skills. Applications are due by 5:00 PM local time of applicant organization on February 5, 2022. [Read more information.](#)

**NSF: Alliances for Graduate Education and the Professoriate
16-552**

Application Submission Deadline: Second Friday in December, Annually

The Alliances for Graduate Education and the Professoriate (AGEP) program seeks to advance knowledge about models to improve pathways to the professoriate and success for historically underrepresented minority doctoral students, postdoctoral fellows and faculty, particularly African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders, in specific STEM disciplines and/or STEM education research fields. New and innovative models are encouraged, as are models that reproduce and/or replicate existing evidence-based alliances in significantly different disciplines, institutions, and participant cohorts. The AGEP program goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success. The program objectives include: To support the development, implementation and study of innovative models of doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields; and to advance knowledge about the underlying issues, policies and practices that have an impact on the participation, transitions and advancement of historically underrepresented minorities in the STEM academy. Applications are due by the second Friday in December, annually. [Read more information.](#)

**NSF: Advancing Informal STEM Learning (AISL)
NSF 21-599**

Application Submission Deadline: January 18, 2022

The National Science Foundation (NSF)'s Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and engage the public of all ages in learning STEM in informal environments. The AISL program supports six types of projects: (1) Pilots and Feasibility Studies, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, (5) Literature Reviews, Syntheses, or Meta-Analyses, and (6) Conferences. Applications are due by January 18, 2022. [Read more information.](#)

**NSF: EHR Core Research (ECR): Building Capacity in STEM Education Research (ECR: BCSER)
NSF 20-521**

Application Submission Deadline: Fourth Friday in February, Annually

ECR's Building Capacity for STEM Education Research (ECR: BCSER) solicitation supports projects that build individuals' capacity to carry out high quality STEM education research that will enhance the nation's STEM education enterprise and broaden the pool of researchers that can conduct fundamental research in STEM learning and learning environments, broadening participation in STEM fields, and STEM workforce development. Specifically, ECR: BCSER supports activities that enable early and mid-career researchers to acquire the requisite expertise and skills to conduct rigorous fundamental research in STEM education. ECR: BCSER seeks to fund research career development activities on topics that are relevant to qualitative and quantitative research methods and design, including the collection and analysis of new qualitative or quantitative data, secondary analyses using extant datasets, or meta-analyses. Applications are due by 5pm local time of submitter on the fourth Friday in February, annually. [Read more information.](#)

HEALTH

AHRQ: Health Services Research Projects (R01)

PA-18-795

Application Submission Deadline: October 5, 2021

The Research Project Grant (R01) is an award made by the Agency for Healthcare Research and Quality (AHRQ) to an institution/organization to support a discrete, specified health services research project. The project will be performed by the named investigator and study team. The R01 research plan proposed by the applicant institution/organization must be related to the mission and priority research interests of AHRQ. The AHRQ mission is to produce evidence to make health care safer, higher quality, more accessible, equitable and affordable, and to work with HHS and other partners to make sure that the evidence is understood and used. Within the mission, AHRQ's specific priority areas of focus are: 1) Research to improve health care patient safety; 2) Design, implementation, dissemination and spread, and evaluation of interventions to improve patient safety; 3) Establishment of strategies to sustain patient safety improvements such as culture, incident/event reporting, measurement, monitoring, and surveillance. Applications are due by 5pm local time of the applicant organization on October 5, 2021. [Read more information](#).

NCI: Stimulating Innovations in Behavioral Intervention Research for Cancer Prevention and Control (R21 Clinical Trial Optional)

PAR-19-309

Application Submission Deadline: October 16, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to provide support for the development of innovative interventions that improve cancer-related health behaviors across diverse racial/ethnic populations. Specifically, this FOA is intended to stimulate research aimed at 1) testing new theories and conceptual frameworks; 2) developing and evaluating novel strategies to improve cancer-related health behaviors; 3) investigating multi-level and multi-behavioral approaches; and 4) utilizing innovative research designs, methodologies, and technologies. The cancer-related health behaviors to be targeted are diet, obesity, physical activity and sedentary behavior, smoking, sleep and circadian dysfunction, alcohol use, and/or adherence to cancer-related medical regimens. Research can involve several stages of the cancer continuum and any phase of the translational spectrum. Letters of intent are due 30 days prior to the application due date. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

NCI: Social and Behavioral Intervention Research to Address Modifiable Risk Factors for Cancer in Rural Populations (R01 Clinical Trial Required)

RFA-CA-20-051

Application Submission Deadline: January 18, 2022

The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications to develop, adapt, and test individual-, community- or multilevel interventions to address modifiable risk factors for cancer in rural populations. Applications should focus on primary prevention and assess and address one or more of the social and behavioral risk factors that contribute to cancer disparities in rural populations: tobacco use; diet, physical activity and weight; alcohol use; UV exposure; and HPV vaccination. Applications should also assess and address myriad social determinants of health, cultural factors, and health care and technology access barriers that may contribute to rural cancer disparities. This FOA also encourages implementation science research, to incorporate efficacious cancer control interventions in a coordinated way, into broader, sustainable health programs that are designed to reach rural populations and allow local customization and adaptation. Applications are due by January 18, 2022. [Read more information](#).

NICHD: Natural History of Disorders Screenable in the Newborn Period (R01 Clinical Trial Optional)

PAR-21-115

Application Submission Deadline: October 5, 2021

This funding opportunity announcement (FOA) encourages applications that propose to develop studies that will lead to a broad understanding of the natural history of disorders that already do or could potentially benefit from early identification by newborn screening. A comprehensive understanding of the natural history of a disorder has been identified as a necessary element to facilitate appropriate interventions for infants identified by newborn screening. By defining the sequence and timing of the onset of symptoms and complications of a disorder, a valuable resource will be developed for the field. In addition, for some disorders, specific genotype-phenotype correlations may allow prediction of the clinical course, and for other disorders, identification of modifying genetic, epigenetic, or environmental factors will enhance an understanding of the clinical outcomes for an individual with such a condition. Comprehensive data on natural history will facilitate the field's ability to: 1) accurately diagnose the disorder; 2) understand the genetic and clinical heterogeneity and phenotypic expression of the disorder; 3) identify underlying mechanisms related to basic defects; 4) potentially prevent, manage, and treat symptoms and complications of the disorder; and 5) provide children and their families with needed

support and predictive information about the disorder. Applications are due by 5pm local time of applicant organization on October 5, 2021. [Read more information.](#)

NIDA: Small Research Grant Program (R03 Clinical Trial Required)

PA-20-146

Application Submission Deadline: October 16, 2021

The National Institute of Drug Abuse (NIDA) Small Research Grant Program supports small clinical trials that can be carried out in a short period of time with limited resources. This program supports different types of projects including pilot, feasibility, or small clinical trials with medications, behavioral interventions, immunotherapies, therapeutic devices, therapeutic digital applications, health services, prevention interventions, biomarkers, and development of research methodology. This Funding Opportunity Announcement requires that a clinical trial be proposed. The proposed project must be related to the programmatic interests of NIDA. Applications are due by October 16, 2021. [Read more information.](#)

NIDCR: Improving Oral Health and Reducing Disparities in Adolescents (R01 Clinical Trial Not Allowed) (R21 Clinical Trial Not Allowed)

PAR-20-058; PAR-20-059

Application Submission Deadline: October 5, 2021 (R01); October 16, 2021 (R21)

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate research to improve the oral health of adolescents in the United States, and to reduce observed oral health disparities and inequities in this population. This FOA defines “adolescents” as those individuals between the ages of 10 and 19. Applications are due by 5pm local time of applicant organization on October 5, 2021 (R01) and October 16, 2021 (R21). Read more information: [R01](#), [R21](#).

new NIDDK: Pilot and Feasibility Studies to Improve Technology Adoption and Reduce Health Disparities in Type 1 Diabetes Mellitus (R01 Clinical Trial Required)

RFA-DK-21-018

Application Submission Deadline: March 3, 2022

The purpose of this Funding Opportunity Announcement (FOA) from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) is to support pilot and feasibility trials of interventions designed to improve technology adoption in individuals from underrepresented backgrounds with type 1 diabetes mellitus (T1D). Recently, major technological advances in the treatment of T1D, including insulin analogues, insulin pumps, continuous glucose monitoring (CGM) and closed loop systems have provided the potential to dramatically improve outcomes in individuals with T1D. However, glycemic control remains suboptimal for many individuals in the U.S., particularly youth, and especially racial/ethnic minority individuals. The barriers contributing to the inequitable use of diabetes technology are numerous and likely emanate from all social-ecological layers. Through successful execution, these pilot and feasibility trials should provide feasibility data for larger, pragmatic trials with the overarching goal of reducing health disparity in T1D through improving technology usage in individuals from minority racial and ethnic backgrounds. Applications are due by 5:00 PM local time of applicant organization on March 2, 2022. [Read more information.](#)

new NIDDK: Understanding and Targeting the Pathophysiology of Youth-onset Type 2 Diabetes – Clinical Centers (U01 Clinical Trial Not Allowed)

RFA-DK-21-002

Application Submission Deadline: March 3, 2022

The purpose of this FOA from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) is to create a clinical consortium to recruit a cohort of early pubertal youth at risk for developing type 2 diabetes and study them through puberty. The ultimate goal of this undertaking will be to 1) develop more precise prediction of which individuals are truly at risk for developing youth-onset T2D and identify determinants of progression from prediabetes to T2D so that, ultimately, targeted prevention approaches can be developed and tested; and 2) increase understanding of the physiologic drivers of youth-onset T2D to guide development of more effective strategies to achieve glycemic control and preserve beta cell function. Applications are due by 5:00 PM local time of applicant organization on March 2, 2022. [Read more information.](#)

new NIDDK: Understanding and Targeting the Pathophysiology of Youth-onset Type 2 Diabetes – Biostatistics Research Center (U01 Clinical Trial Not Allowed)

RFA-DK-21-003

Application Submission Deadline: March 3, 2022

This FOA from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications for a Biostatistics Research Center to participate in a clinical consortium to better understand youth-onset type 2 diabetes. A separate FOA (RFA-DK-21-002) invites Clinical Centers to recruit a cohort of early pubertal youth at risk for developing type 2 diabetes and study them through puberty. The ultimate goals of this consortium will be to 1) develop more precise

prediction of which individuals are truly at risk for developing youth-onset T2D and identify determinants of progression from prediabetes to T2D so that, ultimately, targeted prevention approaches can be developed and tested; and 2) increase understanding of the physiologic drivers of youth-onset T2D to guide development of more effective strategies to achieve glycemic control and preserve beta cell function. Applications are due by 5:00 PM local time of applicant organization on March 2, 2022. [Read more information](#).

**NIH: Tobacco Control Policies to Promote Health Equity (R21 Clinical Trial Optional)
PAR-20-302; PAR-20-303**

Application Submission Deadline: October 5, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support observational or intervention research focused on reducing disparities in tobacco use and secondhand smoke (SHS) exposure in the U.S. Specifically, this FOA aims to stimulate scientific inquiry focused on innovative state and local level tobacco prevention and control policies. The long-term goal of this FOA is to reduce disparities in tobacco-related cancers, and in doing so, to promote health equity among all populations. Applicants submitting applications related to health economics are encouraged to consult NOT-OD-16-025 to ensure that the research projects align with NIH mission priorities in health economics research. Applications are due by October 5, 2021. Read more information: [PAR-20-303](#); [PAR-20-302](#).

**NIH: Secondary Analyses of Existing Datasets of Tobacco Use and Health (R21 Clinical Trial Not Allowed)
RFA-OD-21-003**

Application Submission Deadline: October 8, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to invite R21 applications proposing the innovative analysis of existing (publicly available) nationally representative U.S. cross-sectional and longitudinal data, including the National Youth Tobacco Survey (NYTS), to investigate novel scientific ideas and/or to generate new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Other publicly available data sets would be considered depending on the analyses to be conducted; however, nationally representative analyses will receive priority. Applications not using nationally representative data sets will need to provide justification why the data set is unique, and why the research questions cannot be answered from a (publicly available) nationally representative data set. This FOA encourages the analyses of public use datasets that may inform tobacco regulatory actions in the United States (U.S.). The awards under this FOA will be administered by NIH using funds that have been made available through FDA-CTP and the Family Smoking Prevention and Tobacco Control Act (P.L. 111-31). Research results from this FOA are expected to generate findings and data that are directly relevant in informing the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health. Research Projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Applications are due by 5:00 PM local time of applicant organization on October 8, 2021. [Read more information](#).

**NIH: Pilot Health Services and Economic Research on the Treatment of Drug, Alcohol, and Tobacco Use Disorders (R34 - Clinical Trial Optional)
PA-21-180**

Application Submission Deadline: October 16, 2021

This Funding Opportunity Announcement (FOA) encourages pilot and preliminary research in preparation for larger-scale services research effectiveness trials. Relevant trials may test a wide range of approaches, including interventions, practices, and policies designed to optimize access to, and the quality, effectiveness, affordability and utilization of drug, tobacco, or alcohol use disorder treatments and related services, as well as services for comorbid medical and mental disorder conditions. Relevant approaches may include both those that are novel, and those that are commonly used in practice but lack an evidence base. This FOA provides resources for assessing the feasibility, acceptability, and utility of these approaches, in addition to usual trial preparation activities. Applications are due by 5pm local time of the applicant organization on October 16, 2021. [Read more information](#).

NIH: HEAL Initiative: Novel Targets for Opioid Use Disorders and Opioid Overdose (R01 Clinical Trial Not Allowed)

RFA-DA-22-031

Application Submission Deadline: October 19, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support research projects focusing on the identification of druggable new targets and discovery of optimizable probes for development of safe and efficacious medications to prevent and treat opioid use disorders (OUDs), opioid overdose, and opioid-polysubstance use comorbidities. This FOA is part of the NIH Helping to End Addictions Long-term (HEAL) initiative to accelerate the development of novel medications to treat all aspects of the opioid addiction cycle, including progression to chronic use,

withdrawal symptoms, craving, relapse, and overdose. All applications are due by 5:00 PM local time of applicant organization on October 19, 2021. [Read more information](#).

NIH: Multi-Site Studies for System-Level Implementation of Substance Use Prevention and Treatment Services (R01 Clinical Trial Optional; R01 Clinical Trial Optional)

PAR-21-022; PAR-21-023

Application Submission Deadline: November 15, 2021

As part of the Collaborative Research on Addiction at NIH (CRAN) initiative, the National Institute on Drug Abuse (NIDA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Cancer Institute (NCI) join to issue this FOA. The purpose of this FOA is to support the development and testing of implementation strategies to achieve system-level adoption of evidence-based interventions, guidelines, or practices to improve the delivery, quality, and sustainability of prevention or treatment services for substance use disorders. This FOA seeks research projects that will test implementation strategies intended to achieve system-wide integration of evidence-based practices (interventions, guidelines, or service delivery models) to prevent or treat substance use disorders (broadly defined to include alcohol, tobacco and other drugs, as well as prescription medications). Areas of interest also include implementation of guidelines related to the appropriate use of opioids for pain management in individuals with or at risk for opioid use disorder. All applications are due by 5:00 PM local time of applicant organization on November 15, 2021. Read more information: [PAR-21-022](#); [PAR-21-023](#)

NIH: Human-Animal Interaction (HAI) Research (R01 Clinical Trial Optional) (R03 Clinical Trial Optional) (R21 Clinical Trial Optional)

PAR-20-031; PAR-20-032; PAR-20-033

Application Submission Deadline: November 30, 2021

This Funding Opportunity Announcement (FOA) invites grant applications for research to examine 1) the impact of Human-Animal Interactions (HAI) on typical and atypical child development and health; 2) the evaluation of animal-assisted intervention for children and adults with disabilities or in need of rehabilitative services; 3) the effects of animals on public health, including cost effectiveness of involving animals in reducing and preventing disease. Applications are due by November 30, 2021. Read more information: [R01](#); [R03](#); [R21](#).

NIH: Dyadic Interpersonal Processes and Biopsychosocial Outcomes (R01 Clinical Trials Not Allowed)

PAR-21-281

Application Submission Deadline: February 5, 2022

This funding opportunity announcement (FOA) invites basic and/or methodological research projects that seek to illuminate or measure independent and interdependent health-related effects within dyads. For the purpose of this FOA, a dyad is a unit of two individuals whose interactions and influences on one another are nested within larger social contexts and networks. Both animal and human subjects research projects are welcome. Types of projects submitted under this FOA include but are not limited to, observational studies involving humans, or existing/synthesized datasets studies. Researchers proposing basic science experimental studies involving human participants (i.e., experimentally manipulate independent variables) should consider the companion FOA PAR-21-280 "Dyadic Interpersonal Processes and Biopsychosocial Outcomes (R01 Basic Experimental Studies with Humans)." All applications are due by 5:00 PM local time of applicant organization on February 5, 2022. [Read more information](#).

NIH: Dyadic Interpersonal Processes and Biopsychosocial Outcomes (R01 - Basic Experimental Studies with Humans)

PAR-21-280

Application Submission Deadline: March 5, 2022

This funding opportunity announcement (FOA) invites basic and/or methodological research projects that illuminate and/or measure independent and interdependent health-related effects within dyads across relationships and settings. For the purpose of this FOA, a dyad is a unit of two individuals whose interactions and influences on one another are nested within larger social contexts and networks. Dyads are social relationships that extend beyond the individual and have strong bidirectional influences on physical and mental health. For the purpose of this FOA, independent effects are those effects that affect each member of the dyad individually (i.e., by nature of being part of the dyad), whereas interdependent effects are those that affect one member of the dyad contingent upon the other member of the dyad (i.e., not only because the individual is part of a dyad but also because being part of the dyad has an effect on the other individual within the dyad as well). All applications are due by 5:00 PM local time of applicant organization on March 5, 2022. [Read more information](#).

NIH: International Research Scientist Development Award (IRSDA) (K01 Independent Clinical Trial Not Allowed; K01 Independent Clinical Trial Required)

PAR-21-104; PAR-21-105**Application Submission Deadline: March 9, 2022**

The purpose of the International Research Scientist Development Award (IRSDA) is to provide support and protected time (three to five years) to advanced postdoctoral U.S. research scientists and recently-appointed U.S. junior faculty (applicants must be at least two years beyond conferral of doctoral degree) for an intensive, mentored research career development experience in a low- or middle-income country (LMIC), as defined by the World Bank, including "low-income," "lower-middle-income," and "upper-middle-income" countries) leading to an independently-funded research career focused on global health. This Funding Opportunity Announcement (FOA) invites applications from postdoctoral research scientists and junior faculty from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of the LMIC under the mentorship of LMIC and U.S. mentors. Applications are due by 5:00 PM local time of applicant organization on March 9, 2022. Read more information: [PAR-21-104](#); [PAR-21-105](#)

NIMHD: Exploratory/Developmental Research Grant Program (R21 - Clinical Trial Optional)**PAR-20-150****Application Submission Deadline: October 16, 2021**

NIMHD invites applications to support short-term exploratory or developmental research projects that have the potential to break new ground in the fields of minority health and/or health disparities or extend previous discoveries toward new directions or applications that can directly contribute to improving minority health and/or reducing health disparities in the U.S. Applications are due by October 16, 2021. [Read more information](#).

HIV/AIDS**NIDA: Advancing Technologies to Improve Delivery of Pharmacological, Gene Editing, and Other Cargoes for HIV and SUD Mechanistic or Therapeutic Research (R01- Clinical Trial Optional)****RFA-DA-22-010****Application Submission Deadline: October 25, 2021**

The purpose of this funding opportunity is to develop technologies to improve the delivery of pharmacological, gene editing, or other cargoes for HIV and substance use disorder (SUD) mechanistic research. Current anti-retroviral therapies also have problems with drug toxicity, bioavailability, and have not been formulated for sustained release. Long term sustained delivery is needed among people with substance use disorders where compliance with an anti-retroviral therapy regimen may be problematic. To address these issues the development of improved reagents or technologies to enable targeted delivery of reagents (e.g. small molecules, biologics, gene editing reagents, etc.) to particular CNS regions or cell types is of great interest. Applications are due by 5:00 PM local time of applicant organization on October 25, 2021. [Read more information](#).

NIDA: Development & Testing of Novel Interventions to improve HIV Prevention, Treatment, and Program Implementation for People Who Use Drugs (R34 Clinical Trial Required)**PA-21-205****Application Submission Deadline: January 7, 2022**

This Funding Opportunity Announcement (FOA) from the National Institute on Drug Abuse (NIDA) encourages formative research, intervention development, and pilot-testing of interventions for people who use drugs. Primary outcomes of interest include the feasibility, tolerability, acceptability and safety of novel or adapted interventions that target HIV prevention, treatment or services research. "Intervention" here may include behavioral, social, or structural approaches, as well as combination biomedical and behavioral approaches that prevent the acquisition or transmission of HIV infection or improve clinical outcomes for persons living with HIV. Applications are due by 5pm local time of the applicant organization on January 7, 2022. [Read more information](#).

NIDA: Exploratory Studies to Investigate Mechanisms Of HIV Infection, Replication, Latency, and/or Pathogenesis in The Context of Substance Use Disorders (R61/R33 - Clinical Trial Not Allowed)**RFA-DA-22-004****Application Submission Deadline: August 10, 2022**

The purpose of this FOA is to support exploratory studies developing or using novel tools or technologies or testing novel hypotheses to investigate mechanistic questions in HIV infection, replication, latency, and/or pathogenesis (including neuroHIV) in the context of Substance Use Disorders (SUDs). This initiative focuses on exploration and characterization of signaling pathways that are involved in central nervous system (CNS) HIV establishment and expansion. The FOA aims to promote research to investigate the underlying molecular mechanisms by which HIV infection is initiated, established, and maintained in the CNS and to determine how addictive substances modulate HIV

infection, latency and the size and persistence of CNS HIV reservoirs. Applications are due by 5pm local time of the applicant organization on August 10, 2022. [Read more information.](#)

**New NIH: American Women: Assessing Risk Epidemiologically (AWARE) (R01 Clinical Trial Optional)
RFA-AI-21-058**

Application Submission Deadline: December 9, 2021

This Funding Opportunity Announcement (FOA) will support research that combines epidemiologic methods, digital technology, and data science approaches to better understand HIV prevention, transmission, and early care-cascade points for women living in the US. Applications must: 1) determine the best ways to identify, enroll, and retain cohorts of women living in the United States (US) who are behaviorally vulnerable to HIV; and 2) develop a knowledgebase comprised of cohort data from women augmented with other data sources including big data sources. Findings should not only lead to a better understanding of how women remain vulnerable to HIV but also inform future pilot interventions aimed at decreasing the incidence of HIV and other sexually transmitted infections (STIs) among cisgender, transgender, and gender non-conforming women. The AWARE program includes research agendas of multiple NIH Institutes and Centers (ICs) and Offices. For example, the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages research and data science approaches that have the potential to change the lives of children, adolescents and women at risk of HIV, from birth through reproductive age and adulthood. Applications are due by 5:00 PM local time of applicant organization on December 9, 2021. [Read more information.](#)

NIMH: Innovations in HIV Prevention, Testing, Adherence and Retention to Optimize HIV Prevention and Care Continuum Outcomes (R01 Clinical Trial Optional) (R21 Clinical Trial Optional)

PA-20-144; PA-20-145

Application Submission Deadline: January 7, 2022

This Funding Opportunity Announcement (FOA) seeks innovative research to optimize HIV prevention and care which is aligned with NIMH Division of AIDS Research (DAR) priorities. Applications may include formative basic behavioral and social science to better understand a step or steps in the HIV prevention or care continuum, and/or the initial development and pilot testing of innovative intervention approaches. Applicants are encouraged to read current Notices of Special Interests (NOSIs) from NIMH DAR for further information about the Division's research priorities. Applications are due by 5pm local time of applicant organization on January 7, 2022. [PA-20-144](#); [PA-20-145](#).

NIMH: Developmental AIDS Research Centers on Mental Health and HIV/AIDS (P30 Clinical Trial Optional)

PAR-20-307; PAR-20-308

Application Submission Deadline: August 25, 2022

The National Institute of Mental Health (NIMH) Division of AIDS Research (DAR) encourages applications for Center Core grants (P30) to support Developmental HIV/AIDS Research Centers (D-ARC). The D-ARC is intended to provide infrastructure support that facilitates the development of high impact science in HIV/AIDS and mental health that is relevant to the NIMH mission. This Funding Opportunity Announcement (FOA) intends to support innovative, interdisciplinary research in several areas, including basic, NeuroHIV, behavioral and social, integrated biobehavioral, applied, clinical, translational, and implementation science. All applications are due by 5:00 PM local time of applicant organization on August 25, 2022. Read more information: [PAR-20-307](#), [PAR-20-308](#)

NIMH: Research Education Mentoring Program for HIV/AIDS Researchers (R25 Clinical Trial Not Allowed)

PAR-21-228

Application Submission Deadline: September 7, 2022

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA from the National Institute of Mental Health (NIMH) will support creative educational activities with a primary focus on: Research Experiences and Mentoring Activities. Both research experiences and mentoring activities are required. These Research Education Mentoring Programs are expected to enhance the professional development of the mentees and foster career trajectories towards independent research to reduce the incidence of HIV worldwide and to decrease the burden of living with HIV. The terms participant and mentee are used throughout this FOA to refer to individuals who are enrolled in the research education program. Applications are due by 5pm local time of the applicant organization on September 7, 2022. [Read more information.](#)

MATERNAL AND CHILD HEALTH

NIAAA: Prevention and Intervention Approaches for Fetal Alcohol Spectrum Disorders (R34 Clinical Trial Optional; R61/R33 Clinical Trial Optional)

PAR-21-097; PAR-21-098

Application Submission Deadline: October 19, 2021

This Funding Opportunity Announcement (FOA) focuses on prevention and intervention strategies for fetal alcohol spectrum disorders (FASD) throughout the lifespan. The intent of this FOA is to support research that advances (1) prevention approaches to reduce prenatal alcohol exposure and the incidence of FASD and (2) interventions for FASD. Research conducted via the R34 mechanism will consist of studies that are a pre-requisite for preparing and submitting subsequent applications for larger scale FASD prevention or intervention studies. The R61 phase will support pilot studies or secondary data analysis for hypothesis development and feasibility, and research testing the hypotheses can be expanded in the R33 phase. Applications are due by 5:00 PM local time of applicant organization on October 19, 2021. Read more information: [PAR-21-097](#); [PAR-21-098](#).

NICHD: Pediatric Immune System – Ontogeny and Development (INTEND) (R01 Clinical Trial Not Allowed) PAR-21-248

Application Submission Deadline: October 5, 2021

The purpose of this Funding Opportunity Announcement (FOA) from the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) is to correlate immune system development patterns between two or more age groups - neonates, infants, and children and adolescents and further understand the impact of infectious diseases, microbiome and environmental factors on the ontogeny and development of the pediatric immune system, from birth, transitioning into adolescence and adulthood with the focus of impact during pregnancy and post-natal period. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information](#).

New NICHD: Decoding Maternal Morbidity Data Challenge

Application Submission Deadline: October 15, 2021

The *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), part of the National Institutes of Health (NIH), announces its Decoding Maternal Morbidity Data Challenge to help advance research on maternal health and promote healthy pregnancies. The Challenge goal is to devise new ways of analyzing the large dataset from its Nulliparous Pregnancy Outcomes Study: Monitoring Mothers-to-be (nuMoM2b) to identify factors that impact maternal morbidity and severe maternal morbidity so that clinicians can more quickly and accurately identify and treat pregnancy-related conditions and prevent severe illness or death for a pregnant person. The United States has the highest ratio of maternal mortality among developed nations; according to the Centers for Disease Control and Prevention (CDC) Pregnancy Mortality Surveillance System, as of 2019 there were 16.7 deaths per 100,000 live births, a number that has been increasing since the surveillance began in 1987. Large disparities exist based on race/ethnicity and other factors. The total purse for the Challenge is \$400,000. Applications are due by 5pm Eastern on October 15, 2021. [Read more information](#).

NIMH: Prevention of Perinatal Depression: Improving Intervention Delivery for At-Risk Individuals (R01 Clinical Trial Required); (R34 Clinical Trial Required)

RFA-MH-21-240; RFA-MH-21-241

Application Submission Deadline: November 9, 2021

The purpose of this Funding Opportunity Announcement (FOA), from the National Institute on Mental Health (NIMH) is to encourage research addressing major gaps identified in the United States Preventive Services Task Force (USPSTF) recommendation statement concerning interventions to prevent perinatal depression, with an emphasis on populations experiencing mental health disparities. The research scope for this FOA includes: 1) refining and pilot testing strategies for identifying women at risk for perinatal depression; 2) developing and testing tools for selecting those most likely to benefit from preventive interventions; 3) refining and testing service-ready efficacious preventive interventions that are of appropriate intensity/dose, and are scalable, such that they can be delivered with fidelity by setting providers; and, 4) optimizing and testing strategies that can be used to train providers and to support delivery of evidence-based approaches with fidelity across diverse health care and community settings. RFA-MH-21-240 is intended to support effectiveness research trials that are statistically powered to provide a definitive answer regarding the effectiveness of the intervention. RFA-MH-21-241 is intended to support pilot effectiveness research trials. NIMH is committed to supporting research that reduces disparities and advances equity in mental health interventions, services, and outcomes. Accordingly, this FOA encourages clinical trials that seek to reduce disparities in perinatal depression prevention for racial and ethnic minority groups, individuals limited by language or cultural barriers, sexual and gender minorities, individuals living in rural areas, socioeconomically disadvantaged persons and other underserved groups. All applications are due by

5:00 PM local time of applicant organization on November 9, 2021. Read more information: [RFA-MH-21-240](#); [RFA-MH-21-241](#).

MENTAL HEALTH AND ILLNESS

NIH: Joint NINDS/NIMH Exploratory Neuroscience Research Grant (R21 Clinical Trial Optional) PA-21-219

Application Submission Deadline: October 16, 2021

The Joint National Institute of Neurological Disorders and Stroke (NINDS)/National Institute of Mental Health (NIMH) Exploratory Neuroscience Research Grant program supports exploratory and innovative research projects, which fall within the missions of the NINDS and NIMH. The NIMH Division of Neuroscience and Basic Behavioral Science encourages applications aligned with Goal 1 of the NIMH 2020 Strategic Plan. The NIMH Division of AIDS Research also invites applications in the program areas outlined on the HIV Neuropathogenesis, Genetics, and Therapeutics Branch webpage that are aligned with the NIH Strategic Plan for HIV and HIV-related Research. Awards will provide support for the early and conceptual stages of projects. These studies often assess the feasibility of a novel avenue of investigation and involve considerable risk but have the potential to bring about breakthroughs in the understanding of important areas of neuroscience, or to the development of novel techniques, agents, methodologies, or models, of high value to the neuroscience community. While this funding opportunity also accepts clinical trials, only applications proposing “mechanistic clinical trials or studies” (studying pathophysiology or mechanism of action of an intervention, but not safety or efficacy) or basic experimental studies with humans (BESH) will be supported. Applications are due by 5pm local time of the applicant organization on October 16, 2021. [Read more information.](#)

NIH: Discovery of Cell-based Chemical Probes for Novel Brain Targets (R21 Clinical Trial Not Allowed) PAR-21-028

Application Submission Deadline: October 16, 2021

This Funding Opportunity Announcement (FOA) intends to support investigators who have interest and capability to join efforts for the discovery of cell-based chemical probes for novel brain targets. It is expected that applicants will have in hand the starting compounds (validated hits) for chemical optimization and bioassays for testing new analog compounds. Through this FOA, NIH wishes to stimulate research in: 1) discovery and development of novel, small molecules for their potential use in understanding biological processes relevant to the missions of NIMH, NIA, NICHD, and/or NIDCD (National Institute on Deafness and Other Communication Disorders); and 2) discovery and/or validation of novel, biological targets that will inform studies of brain disease mechanisms. Emphasis will be placed on projects that provide new insight into important disease-related biological targets and biological processes. The main emphasis of projects submitted under this FOA should be in the discovery of cell-based chemical probes. All applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NIH: Service-Ready Tools for Identification, Prevention, and Treatment of Individuals at Risk for Suicide (R34 Clinical Trial Optional) RFA-MH-21-111

Application Submission Deadline: October 15, 2021

The National Institute of Mental Health (NIMH) seeks applications for pilot effectiveness projects to evaluate the preliminary effectiveness of service-ready tools and technologies that can be used to advance training, quality monitoring, and quality improvement efforts and ultimately improve the availability of evidence-based suicide prevention services. Specifically, this initiative encourages research on the effectiveness-implementation continuum aimed at (1) developing and testing the effectiveness of optimized, service-ready suicide prevention tools for identification, prevention, and treatment of individuals at risk for suicide; and (2) testing strategies to improve adoption, implementation fidelity, and sustained use of these tools, guided by an implementation science framework. Given the focus on practice-ready accessible resources and products that could be readily integrated into practice, NIMH encourages the use of technology and other design features that make the tools scalable and robust against implementation drift, and a deployment-focused approach that takes into account the perspectives of key stakeholders (e.g., service users, providers, administrators) and system-level factors, such as workforce capacity that influence potential integration of tools into clinical workflows. This Funding Opportunity Announcement (FOA) supports pilot effectiveness research to evaluate the feasibility, tolerability, acceptability, safety and preliminary indications of effectiveness of service-ready tools and technologies for suicide prevention and inform the design of definitive effectiveness trials. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

NIH: Service-Ready Tools for Identification, Prevention, and Treatment of Individuals at Risk for Suicide (R01 Clinical Trial Optional) RFA-MH-21-110

Application Submission Deadline: October 15, 2021

The National Institute of Mental Health (NIMH) seeks applications for research projects to evaluate the effectiveness of service-ready tools and technologies that can be used to advance training, quality monitoring, and quality improvement efforts and ultimately improve the availability of evidence-based suicide prevention services. Specifically, this initiative encourages research on the effectiveness-implementation continuum aimed at (1) developing and testing the effectiveness of optimized, service-ready suicide prevention tools for identification, prevention, and treatment of individuals at risk for suicide; and (2) testing strategies to improve adoption, implementation fidelity, and sustained use of these tools, guided by an implementation science framework. Given the focus on practice-ready accessible resources and products that could be readily integrated into practice, NIMH encourages the use of technology and other design features that make the tools scalable and robust against implementation drift, and a deployment-focused approach that takes into account the perspectives of key stakeholders (e.g., service users, providers, administrators) and system-level factors, such as workforce capacity that influence potential integration of tools into clinical workflows. This Funding Opportunity Announcement (FOA) is intended to support effectiveness research of service-ready tools and technologies for suicide prevention that are statistically powered to provide a definitive answer regarding the study tool's effectiveness. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

**NIH: Practice-Based Suicide Prevention Research Centers (P50 Clinical Trial Optional)
PAR-20-286****Application Submission Deadline: February 18, 2022**

This Funding Opportunity Announcement (FOA) invites applications for research centers to support integrated programs of high-impact, practice-based research with near-term potential to address NIMH suicide prevention priorities and help achieve the National Action Alliance for Suicide Prevention goals of reducing the rate of suicide in the US. The Centers are intended to support transdisciplinary teams of clinical and mental health services researchers, behavioral/social scientists, health information and communications technologists, health systems engineers, decision scientists, and mental health stakeholders (e.g., service users, family members, clinicians, payers) engaged in transdisciplinary programs of research that could not be achieved using standard research project grant mechanisms. Research Centers will support the rapid development, refinement, and testing of effective and scalable approaches for intervening at key intercepts in the chain of care: for identifying high-risk individuals, for promoting continuity across key care transitions (e.g., following identification in the emergency department or discharge from inpatient care), and for intervening (including prevention strategies and treatment for acute risk). Applications are due by February 18, 2022. [Read more information.](#)

**NIH: Developmental AIDS Research Centers on Mental Health and HIV/AIDS (P30 Clinical Trial Optional)
PAR-20-307; PAR-20-308****Application Submission Deadline: August 25, 2022**

The National Institute of Mental Health (NIMH) Division of AIDS Research (DAR) encourages applications for Center Core grants (P30) to support Developmental HIV/AIDS Research Centers (D-ARC). The D-ARC is intended to provide infrastructure support that facilitates the development of high impact science in HIV/AIDS and mental health that is relevant to the NIMH mission. This Funding Opportunity Announcement (FOA) intends to support innovative, interdisciplinary research in several areas, including basic, NeuroHIV, behavioral and social, integrated biobehavioral, applied, clinical, translational, and implementation science. All applications are due by 5:00 PM local time of applicant organization on August 25, 2022. Read more information: [PAR-20-307](#), [PAR-20-308](#)

**New NIMH: Innovative Mental Health Services Research Not Involving Clinical Trials (R01 Clinical Trials Not Allowed)
PAR-21-316****Application Submission Deadline: October 5, 2021**

The purpose of this Funding Opportunity Announcement (FOA) from National Institute of Mental Health (NIMH) is to encourage innovative research that will inform and support the delivery of high-quality, continuously improving mental health services to benefit the greatest number of individuals with, or at risk for developing, a mental illness. This announcement invites applications for non-clinical trial R01-level projects that address NIMH strategic priorities that strengthen the public health impact of NIMH-supported research as described in Goal 4 of the NIMH Strategic Plan. Proposed research should seek to: Identify mutable factors that impact access, continuity, utilization, quality, value, and outcomes, including disparities in outcomes, or scalability of mental health services, which may serve as targets in future service delivery intervention development; Develop and test new research tools, technologies, measures, or methods and statistical approaches to study these issues; Integrate and analyze large data sets to understand factors affecting mental health services outcomes using advanced computational and predictive analytic approaches; Wherever possible, leverage existing infrastructure and partnerships to accomplish these goals. Applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

**New NIMH: Utilizing Invasive Recording and Stimulating Opportunities in Humans to Advance Neural Circuitry Understanding of Mental Health Disorders (R21 Clinical Trial Optional; R01 Clinical Trial Optional)
PAR-21-288; PAR-21-289**

Application Submission Deadline: PAR-21-288 - October 5, 2021; PAR-21-289 - October 16, 2021

The purpose of this Funding Opportunity Announcement (FOA) from the National Institute of Mental Health (NIMH) is to encourage applications to pursue invasive neural recording studies focused on mental health-relevant questions. Invasive neural recordings provide an unparalleled window into the human brain to explore the neural circuitry and neural dynamics underlying complex moods, emotions, cognitive functions, and behaviors with high spatial and temporal resolution. Additionally, the ability to stimulate, via the same electrodes, allows for direct causal tests by modulating network dynamics. This FOA aims to target a gap in the scientific knowledge of neural circuit function related to mental health disorders. Researchers should target specific questions suited to invasive recording modalities that have high translational potential. Development of new therapies is outside the scope of this FOA, though development of novel tools/methods to enable relevant mental health studies is encouraged. The R21 grant mechanism, encouraging shorter, higher-risk applications whereas the R01 grant mechanism, encourages longer-term projects. Applications are due by 5:00 PM local time of applicant organization on October 5, 2021 for PAR-21-288 and October 16, 2021 for PAR-21-289. Read more information: [PAR-21-288](#); [PAR-21-289](#).

**NIMH: Identification of Positive Valence System Related Targets for Novel Suicide Prevention Approaches (R01 - Clinical Trial Optional; R21 Clinical Trial Optional)
PAS-21-215; PAS-21-216**

Application Submission Deadline: PAS-21-215 - October 16, 2021; PAS-21-216 – October 5, 2021

This Funding Opportunity Announcement (FOA) solicits applications for research projects that will advance translational research to better understand risk and resilience for suicide in the context of the NIMH Research Domain Criteria (RDoC) framework, specifically the Positive Valence Systems (PVS) domain, and lead to novel interventions. The projects should focus on the identification of novel behavioral or neurobiological intervention targets for the treatment of suicidality. NIMH is particularly interested in the role of PVS deficits in suicidal thoughts and behaviors, identification of unique subtypes by behavior and neural circuitry, and associations between PVS-related subtypes and other RDoC domains in relation to suicidality. Applications are due by 5:00 PM local time of applicant organization on October 16, 2021 for PAS-21-215 and October 5, 2021 for PAS-21-216. [Read more information.](#)

**NIMH: Pilot Effectiveness Trials for Treatment, Preventive and Services Interventions (R34 Clinical Trial Required)
PAR-21-131**

Application Submission Deadline: October 15, 2021

NIMH solicits clinical trial applications through a series of Funding Opportunity Announcements (FOAs) that cover the intervention development pipeline, from first-in-human, early testing of new interventions, confirmatory efficacy trials, through to effectiveness trials. The purpose of this FOA is to encourage pilot research consistent with NIMH's priorities for: 1) effectiveness research on preventive and therapeutic interventions with previously demonstrated efficacy, for use with broader target populations or for use in community practice settings, and 2) research on the development and preliminary testing of innovative services interventions. Consistent with the NIMH experimental therapeutics approach, this FOA is intended to support pilot studies of intervention effectiveness or service delivery approaches that explicitly address whether the intervention engages the target(s)/mechanism(s) presumed to underlie the intervention effects (i.e., the mechanism(s) that accounts for changes in clinical/functional outcomes, changes in provider behavior, improved access or continuity of services, etc.). In this pilot effectiveness phase of research, NIMH places highest priority on intervention and service delivery approaches that can be justified in terms of their potential to substantially impact practice and public health. This FOA supports pilot studies and provides resources for evaluating the feasibility, tolerability, acceptability and safety and preliminary effectiveness of approaches to improve mental health/functional outcomes, to modify risk factors, or to improve service delivery, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale effectiveness trial (e.g., comparative effectiveness study, pragmatic trial). Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

**NIMH: Confirmatory Efficacy Clinical Trials of Non-Pharmacological Interventions for Mental Disorders (R01 Clinical Trial Required)
PAR-21-132**

Application Submission Deadline: October 15, 2021

NIMH solicits clinical trial applications through a series of Funding Opportunity Announcements (FOAs) that cover the intervention development pipeline, from first-in-human, early testing of new interventions, confirmatory efficacy trials, through to effectiveness trials. The purpose of this FOA is to support confirmatory efficacy testing of non-pharmacological

therapeutic and preventive interventions for mental disorders in adults and children through an experimental therapeutics approach. Under this FOA, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support "go/no-go" decisions about further development, effectiveness testing, or dissemination of the intervention. Interventions to be studied include, but are not limited to behavioral, cognitive, interpersonal, and device-based (both invasive/surgically implanted as well as noninvasive/transcranial) approaches, or a combination thereof. Interventions appropriate for efficacy testing must be based on a compelling scientific rationale, previous demonstration that the intervention engages and alters the hypothesized mechanism of action, a preliminary efficacy signal, and must address an unmet therapeutic need. Support will be provided for a trial of the intervention's efficacy that includes measurement of the hypothesized mechanism of action and the relationship between change in the mechanism and change in functional or clinical effects. Ultimately, this FOA is intended to support a sufficiently-powered efficacy trial to determine the intervention's potential for significant clinical benefit. Applicants pursuing other stages of the clinical trial pipeline should consider one of the companion FOAs listed above. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

NIMH: Development of Psychosocial Therapeutic and Preventive Interventions for Mental Disorders (R33 Clinical Trial Required)

PAR-21-134

Application Submission Deadline: October 15, 2021

The National Institute of Mental Health (NIMH) solicits clinical trial applications through a series of Funding Opportunity Announcements (FOAs) that cover the intervention development pipeline, from first-in-human, early testing of new interventions, confirmatory efficacy trials, through to effectiveness trials. The purpose of this FOA is to encourage pilot research developing and testing innovative psychosocial intervention approaches in which the target and/or intervention strategy is novel. Consistent with NIMH's experimental therapeutics approach, this FOA is intended to speed the translation of emergent research on mechanisms and processes underlying mental disorders into promising novel psychosocial preventative or therapeutic interventions. Targets may include, but are not limited to, potentially modifiable behavioral, cognitive, affective and/or interpersonal factors or processes, neural circuits or neural activity subserving specific behaviors or cognitive processes, and/or other neurobiological mechanisms. Novel psychosocial intervention strategies might include in-person or technology-assisted delivery, provided the target and/or the intervention strategy is novel. They may also be standalone interventions or augmentations of efficacious interventions for which there is an empirical rationale by which the augmentation (and corresponding target) is expected to substantially enhance outcomes. Support will be provided for up to 3 years for studies to replicate previous target engagement findings, and to relate change in the intervention target/mechanism to clinical benefit. Ultimately, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support "go/no-go" decisions about further development and/or testing of the intervention. This FOA is designed for applicants seeking to fund pilot stages of research. Applicants pursuing other stages of the clinical trial pipeline should consider one of the companion FOAs listed on the site. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

NEW NIMH: Implementing and Sustaining Evidence-Based Mental Health Practices in Low-Resource Settings to Achieve Equity in Outcomes (R34 Clinical Trial Required)

PAR-21-283

Application Submission Deadline: October 16, 2021

This National Institute of Mental Health (NIMH) Funding Opportunity Announcement (FOA) supports pilot work for subsequent studies testing the effectiveness of strategies to deliver evidence-based mental health services, treatment interventions, and/or preventive interventions (EBPs) in low-resourced mental health specialty and non-specialty settings within the United States. The FOA targets settings where EBPs are not currently delivered or delivered with fidelity, such that there are disparities in mental health and related functional outcomes (e.g., employment, educational attainment, stable housing, integration in the community, treatment of comorbid substance use disorders) for the population(s) served. Implementation strategies should identify and use innovative approaches to remediate barriers to provision, receipt, and/or benefit from EBPs and generate new information about factors integral to achieving equity in mental health outcomes for underserved populations. Research generating new information about factors causing/reducing disparities is strongly encouraged, including due consideration for the needs of individuals across the life span. Applications proposing definitive tests of an implementation strategy should respond to the companion R01 announcement PAR-21-284. Applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NEW NIMH: Effectiveness of Implementing and Sustaining Evidence-Based Mental Health Practices in Low-Resource Settings to Achieve Equity in Outcomes (R34 Clinical Trial Required)

PAR-21-284

Application Submission Deadline: October 16, 2021

This National Institute of Mental Health (NIMH) Funding Opportunity Announcement (FOA) encourages studies that develop and test the effectiveness of strategies for implementation and sustainable delivery of evidence-based mental health treatments and services to improve mental health outcomes for underserved populations in low-resourced settings in the United States. Studies should identify and use innovative approaches to remediate barriers to provision, receipt, and/or benefit from evidence-based practices (EBPs) and generate new information about factors integral to achieving equity in mental health outcomes for underserved populations. Research generating new information about factors causing/reducing disparities are strongly encouraged, including due consideration of the needs of individuals across the life span. This FOA is published in parallel to a companion R34, PAR-21-283, that supports pilot studies in preparation for the larger-scale studies described here. Applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NEW NIMH: Pilot Studies to Test the Initiation of a Mental Health Family Navigator Model to Promote Early Access, Engagement and Coordination of Needed Mental Health Services for Children and Adolescents (R34 Clinical Trial Required)

PAR-21-292

Application Submission Deadline: October 16, 2021

The purpose of this National Institute of Mental Health (NIMH) Funding Opportunity Announcement (FOA) is to encourage research applications to develop and pilot test the effectiveness and implementation of existing family navigator models designed to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents who are experiencing early symptoms of mental health problems. For the purposes of this FOA, NIMH defines a family navigator model as a health care professional or paraprofessional whose role is to deploy a set of strategies designed to rapidly engage youth and families in needed treatment and services, work closely with the family and other involved treatment and service providers to optimize care, and through the use of technology – to monitor the trajectory of mental health symptoms and outcomes over time. Applicants are required to develop and pilot test the navigator model's ability to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents as soon as symptoms are detected. Applicants are also required to identify and pilot test components of navigator models that drive improvements in mental health care; detect and interrogate tailoring variables that optimize the 'personalized match' between the unique mental health needs of youth to the appropriate level of intensity and frequency of mental health services; and utilize emerging novel technologies to track and monitor the trajectory of clinical, functional and behavioral progress toward achieving intended services outcomes. Applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NEW NIMH: Initiation of a Mental Health Family Navigator Model to Promote Early Access, Engagement and Coordination of Needed Mental Health Services for Children and Adolescents (R01 Clinical Trial Required)

PAR-21-291

Application Submission Deadline: October 16, 2021

The purpose of this National Institute of Mental Health (NIMH) Funding Opportunity Announcement (FOA) is to encourage research applications to develop and test the effectiveness and implementation of family navigator models designed to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents who are experiencing early symptoms of mental health problems. For the purposes of this FOA, NIMH defines a family navigator model as a health care professional or paraprofessional whose role is to deploy a set of strategies designed to rapidly engage youth and families in needed treatment and services, work closely with the family and other involved treatment and service providers to optimize care, and through the use of technology – to monitor the trajectory of mental health symptoms and outcomes over time. Applicants are required to develop and test the navigator model's ability to promote early access, engagement, coordination and optimization of mental health treatment and services for children and adolescents as soon as symptoms are detected. Applicants are also required to identify and test components of navigator models that drive improvements in mental health care; detect and interrogate tailoring variables that optimize the 'personalized match' between the unique mental health needs of youth to the appropriate level of intensity and frequency of mental health services; and utilize emerging novel technologies to track and monitor the trajectory of clinical, functional and behavioral progress toward achieving intended services outcomes. Applications are due by 5:00 PM local time of applicant organization on October 16, 2021. [Read more information.](#)

NIMH: Exploratory/Developmental Research Grant (R21 - Clinical Trial Not Allowed)

PA-21-235

Application Submission Deadline: October 16, 2021

The NIMH Exploratory/Developmental Grant program supports exploratory and high-risk research projects that fall within the National Institute of Mental Health (NIMH) mission by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough or to the development of novel

techniques, agents, methods, measures, models, or strategies, or to the generation of pilot or feasibility data. The preliminary work from these studies could lead to a major impact on biomedical, behavioral, or clinical mental health research, or on the delivery of mental health care. Applications are due by October 16, 2021. [Read more information.](#)

NIMH: Computationally-Defined Behaviors in Psychiatry (R21 Clinical Trial Optional)

PAR-21-264

Application Submission Deadline: November 1, 2021

This Funding Opportunity Announcement (FOA) from the National Institute of Mental Health (NIMH) solicits applications for research projects that will apply computational approaches to develop parametrically detailed behavioral assays across mental-health relevant domains of function. These projects should focus on behavior in humans and test computational models in healthy, trans-diagnostic, unselected, or community samples. NIMH is particularly interested in 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 in models that have the potential to be extended to clinical populations. To maximize prospects of back-translation and to provide a neurobiological foundation for future research, studies will need to consider behavioral models and parameters that are linked to the underlying neural processes that may be involved in their computation. Finally, in order to ensure ecological validity of behavioral assays, models derived from lab-based behavioral tasks will need to be tested for generalizability to behavioral data collected in a real-world setting. All applications are due by 5:00 PM local time of applicant organization on November 1, 2021. [Read more information.](#)

NIMH: Computational Approaches for Validating Dimensional Constructs of Relevance to Psychopathology (R01 Clinical Trial Optional)

PAR-21-263

Application Submission Deadline: November 1, 2021

This Funding Opportunity Announcement (FOA) solicits applications for research projects that will use computational approaches to test the validity of dimensional constructs in the National Institute of Mental Health (NIMH) Research Domain Criteria (RDoC) matrix (or similar constructs based on comparable criteria). Some elements of the RDoC matrix have been updated since its first release, but a thorough data-driven validation that broadly explores, compares, and validates the constructs within the matrix has not been performed. This FOA seeks research that addresses the following questions: Do the different domains of behavior segregate from each other? How much do they rely on distinct versus overlapping neural circuits? What are the relationships between domains, constructs, and subordinate sub-constructs, both in terms of their correlational structure and their underlying neural circuitry? By answering these questions, proposed research projects will test integrative models of functioning and identify dysregulation in psychopathology-related mechanisms that may cut across traditional diagnostic categories and may change over time. This FOA seeks to promote projects where the computational and the experimental components are well integrated. To ensure ecological validity of these studies, models derived from lab-based behavioral tasks will need to be tested for generalizability to behavioral data collected in a real-world setting. The ultimate goal is to advance translational research that will identify novel classification approaches and/or treatment targets, and lead to more effective and timely interventions for serious mental illnesses. All applications are due by 5:00 PM local time of applicant organization on November 1, 2021. [Read more information.](#)

NIMH: Pilot Effectiveness Trials of Interventions for Preschoolers with ADHD (R34 Clinical Trial Required)

RFA-MH-21-230

Application Submission Deadline: March 1, 2022

The National Institute of Mental Health (NIMH) seeks applications for pilot projects to evaluate the preliminary effectiveness of interventions targeting preschool attention deficit hyperactivity disorder (ADHD) symptoms and impairments. An emphasis is placed on studies that take a theory-driven, empirical approach to developing and testing interventions intended to impact current ADHD symptoms and impairments and/or prevent or forestall the emergence of co-occurring disorders or additional ADHD-related impairments. In this pilot phase of effectiveness research, the trial should be designed to evaluate the feasibility, tolerability, acceptability, safety, and potential effectiveness of the approach, to address whether the intervention engages the target mechanisms presumed to underlie the intervention effects, and to obtain preliminary data needed to inform a larger, more definitive test of the intervention. Applications are due by 5:00 PM local time of applicant organization on March 1, 2022. [Read more information.](#)

NIMH: Advanced Laboratories for Accelerating the Reach and Impact of Treatments for Youth and Adults with Mental Illness (ALACRITY) Research Centers (P50 Clinical Trial Optional)

PAR-20-293

Application Submission Deadline: May 17, 2022

This Funding Opportunity Announcement (FOA) invites applications for centers to support transdisciplinary teams of clinical and mental health services researchers, behavioral scientists, social scientists, health information and

communications technologists, health systems engineers, decision scientists, and mental health stakeholders (e.g., service users, family members, clinicians, payers) to engage in high-impact studies that will significantly advance clinical practice and generate knowledge that will fuel transformation of mental health care in the United States. Advanced Laboratories for Accelerating the Reach and Impact of Treatments for Youth and Adults with Mental Illness (ALACRITY) Research Centers will support the rapid development, testing, and refinement of novel and integrative approaches for (1) optimizing the effectiveness of therapeutic or preventive interventions for mental disorders within well-defined target populations; (2) organizing and delivering optimized mental health services within real world treatment settings; and (3) continuously improving the quality, impact, and durability of optimized interventions and service delivery within diverse care systems. The ALACRITY Centers program is intended to support research that maximizes synergies across various components of the mental health research ecosystem, including new discoveries in clinical research, transformative health care technologies, advances in information science, and new federal and state mechanisms for organizing mental health care. The Centers are intended for transdisciplinary projects that could not be achieved using standard research project grant mechanisms. The ALACRITY Centers program is also expected to facilitate widespread sharing of relevant data, methods, and resources that will accelerate clinical research and practice and to provide opportunities for graduate students, postdoctoral researchers, and early-career investigators to participate in transdisciplinary, T2 translational mental health research. Applications are due by [May 17, 2022](#). [Read more information.](#)

METHODOLOGY AND MEASUREMENT

NIH: Service-Ready Tools for Identification, Prevention, and Treatment of Individuals at Risk for Suicide (R01 Clinical Trial Optional)

RFA-MH-21-110

Application Submission Deadline: October 15, 2021

The National Institute of Mental Health (NIMH) seeks applications for research projects to evaluate the effectiveness of service-ready tools and technologies that can be used to advance training, quality monitoring, and quality improvement efforts and ultimately improve the availability of evidence-based suicide prevention services. Specifically, this initiative encourages research on the effectiveness-implementation continuum aimed at (1) developing and testing the effectiveness of optimized, service-ready suicide prevention tools for identification, prevention, and treatment of individuals at risk for suicide; and (2) testing strategies to improve adoption, implementation fidelity, and sustained use of these tools, guided by an implementation science framework. Given the focus on practice-ready accessible resources and products that could be readily integrated into practice, NIMH encourages the use of technology and other design features that make the tools scalable and robust against implementation drift, and a deployment-focused approach that takes into account the perspectives of key stakeholders (e.g., service users, providers, administrators) and system-level factors, such as workforce capacity that influence potential integration of tools into clinical workflows. This Funding Opportunity Announcement (FOA) is intended to support effectiveness research of service-ready tools and technologies for suicide prevention that are statistically powered to provide a definitive answer regarding the study tool's effectiveness. Applications are due by 5:00 PM local time of applicant organization on [October 15, 2021](#). [Read more information.](#)

NIH: Service-Ready Tools for Identification, Prevention, and Treatment of Individuals at Risk for Suicide (R34 Clinical Trial Optional)

RFA-MH-21-111

Application Submission Deadline: October 15, 2021

The National Institute of Mental Health (NIMH) seeks applications for pilot effectiveness projects to evaluate the preliminary effectiveness of service-ready tools and technologies that can be used to advance training, quality monitoring, and quality improvement efforts and ultimately improve the availability of evidence-based suicide prevention services. Specifically, this initiative encourages research on the effectiveness-implementation continuum aimed at (1) developing and testing the effectiveness of optimized, service-ready suicide prevention tools for identification, prevention, and treatment of individuals at risk for suicide; and (2) testing strategies to improve adoption, implementation fidelity, and sustained use of these tools, guided by an implementation science framework. Given the focus on practice-ready accessible resources and products that could be readily integrated into practice, NIMH encourages the use of technology and other design features that make the tools scalable and robust against implementation drift, and a deployment-focused approach that takes into account the perspectives of key stakeholders (e.g., service users, providers, administrators) and system-level factors, such as workforce capacity that influence potential integration of tools into clinical workflows. This Funding Opportunity Announcement (FOA) supports pilot effectiveness research to evaluate the feasibility, tolerability, acceptability, safety and preliminary indications of effectiveness of service-ready tools and technologies for suicide prevention and inform the design of definitive effectiveness trials. Applications are due by 5:00 PM local time of applicant organization on [October 15, 2021](#). [Read more information.](#)

NUTRITION

NIH: Time-Sensitive Obesity Policy and Program Evaluation (R01) PAR-18-854

Application Submission Deadline: September 10, 2021

This Funding Opportunity Announcement (FOA) establishes an accelerated review/award process to support time-sensitive research to evaluate a new policy or program that is likely to influence obesity related behaviors (e.g., dietary intake, physical activity, or sedentary behavior) and/or weight outcomes in an effort to prevent or reduce obesity. This FOA is intended to support research where opportunities for empirical study are, by their very nature, only available through expedited review and funding. All applications to this FOA must demonstrate that the evaluation of an obesity related policy and /or program offers an uncommon and scientifically compelling research opportunity that will only be available if the research is initiated with minimum delay. For these reasons, applications in response to this time-sensitive FOA are not eligible for resubmission. It is intended that eligible applications selected for funding will be awarded within 4 months of the application due date. However, administrative requirements and other unforeseen circumstances may delay issuance dates beyond that timeline. Applications are due by 5:00 PM local time of applicant organization on September 10, 2021. [Read more information.](#)

PUBLIC HEALTH

NCCIH: Data Coordinating Center for NCCIH Multi-Site Investigator-Initiated Clinical Trials of Mind and Body Interventions (Collaborative U24 Clinical Trial Required)

PAR-21-242

Application Submission Deadline: October 14, 2021

This Funding Opportunity Announcement (FOA) from the National Center for Complementary and Integrative Health (NCCIH), utilizing the U24 grant funding mechanism, encourages applications for a collaborating Data Coordinating Center (DCC) application that accompanies an investigator-initiated multi-site clinical trial (Phase III and beyond) application submitted under PAR-21-243. The DCC application must be specific to the companion Clinical Coordinating Center (CCC) application. The objective of the DCC application is to propose a comprehensive plan that provides overall project coordination, and administrative, data management, and biostatistical support for the proposed clinical trial. Both a DCC application and a corresponding CCC application need to be submitted simultaneously for consideration by NCCIH. Trials for which this FOA applies must be relevant to the research mission of NCCIH and considered a high priority by the Center. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. [Read more information.](#)

NCCIH: Feasibility Clinical Trials of Mind and Body Interventions for NCCIH High Priority Research Topics (R34 Clinical Trial Required)

PAR-21-240

Application Submission Deadline: October 20, 2021

The goal of this funding opportunity from the National Center for Complementary and Integrative Health (NCCIH) is to support early phase clinical trials of complementary and integrative health approaches with physical and/or psychological therapeutic inputs (often called mind and body interventions) for conditions that have been identified by NCCIH as high priority research topics. This funding opportunity is intended to support feasibility clinical trials, which will provide data that are critical for the planning and design of a subsequent clinical efficacy or effectiveness study, or a pragmatic trial. The data collected should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial, including, but not limited to the following: examining feasibility and acceptability of interventions lacking published data; adapting an intervention to a specific population; refining the intervention to determine the most appropriate frequency or duration; determining feasibility of recruitment, retention and data collection procedures; refining and assessing the feasibility of protocolized multimodal interventions; or examining acceptability and adherence of control conditions. This FOA will not support randomized clinical trials that test or determine efficacy or effectiveness; nor will this FOA support repetition of feasibility or acceptability research that has been previously conducted in the same or similar patient population with the same or similar intervention. Applications that propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial are not appropriate for this announcement. Applications must propose to conduct a feasibility clinical trial. The subsequent larger trial should have the potential to make a significant impact on public health. All applications are due by 5:00 PM local time of applicant organization on October 20, 2021. [Read more information.](#)

NCCIH: Multi-Site Feasibility Clinical Trials of Mind and Body Interventions (R01 Clinical Trial Required)

PAR-21-241

Application Submission Deadline: October 20, 2021

This Funding Opportunity Announcement (FOA) invites applications for investigator-initiated clinical trials of complementary and integrative health approaches with physical and/or psychological therapeutic inputs (often called mind and body interventions) in NCCIH-designated areas of high research priority. Applications submitted under this FOA are expected to propose a multi-site feasibility clinical trial to assess whether the intervention can be delivered with fidelity across sites; demonstrate feasibility of recruitment, accrual, and randomization of participants across sites; demonstrate participant adherence to the intervention, as well as retention of participants throughout the study across sites; and/or demonstrate feasibility of data collection across sites in preparation for a future fully powered, multi-site efficacy/effectiveness trial. The need for multi-site feasibility trials is expected to be justified by sufficient preliminary data from previous single site feasibility or acceptability trial(s) or the published literature. This FOA will not support clinical trials that determine efficacy or effectiveness. The data collected should be used to fill gaps in scientific knowledge and be necessary to develop a competitive fully powered multi-site clinical trial that has the potential to make a significant impact on public health. Prior to submitting to this FOA, applicants are encouraged to contact the appropriate NCCIH Scientific/Research contact person for the science area of the planned application. All applications are due by 5:00 PM local time of applicant organization on October 20, 2021. [Read more information.](#)

NCI: Social and Behavioral Intervention Research to Address Modifiable Risk Factors for Cancer in Rural Populations (R01 Clinical Trial Required)

RFA-CA-20-051

Application Submission Deadline: January 18, 2022

The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications to develop, adapt, and test individual-, community- or multilevel interventions to address modifiable risk factors for cancer in rural populations. Applications should focus on primary prevention and assess and address one or more of the social and behavioral risk factors that contribute to cancer disparities in rural populations: tobacco use; diet, physical activity and weight; alcohol use; UV exposure; and HPV vaccination. Applications should also assess and address myriad social determinants of health, cultural factors, and health care and technology access barriers that may contribute to rural cancer disparities. This FOA also encourages implementation science research, to incorporate efficacious cancer control interventions in a coordinated way, into broader, sustainable health programs that are designed to reach rural populations and allow local customization and adaptation. Applications are due by January 18, 2022. [Read more information.](#)

NIH: Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations (R01 Clinical Trial Not Allowed)

PAR-21-080

Application Submission Deadline: October 5, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to understand factors uniquely associated with the immigration experience that contribute to health disparities or health advantages among U.S. immigrant populations. This includes but is not limited to risk/protective factors associated with immigration processes from influences that push migration from the sending country, through the experience of immigration, to the experience of resettlement, short and long term residence in the U.S. and the process of acculturation that affect the health of U.S. immigrant populations (particularly migrant workers, recent and 1st generation immigrants). All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

NIH: Addressing Health Disparities among Immigrant Populations through Effective Interventions (R01 Clinical Trial Optional)

PAR-21-081

Application Submission Deadline: October 5, 2021

The purpose of this initiative is to support research to design and implement effective interventions to enhance health advantages and reduce the health disparities among US immigrant populations. Given the scientific literature documenting health inequities among immigrant populations, this announcement calls for multidisciplinary/multilevel research focusing on the design and implementation of effective interventions that will address immigrant-specific factors to reduce health disparities, particularly among migrant workers, recent and 1st generation immigrants. The intervention research under this FOA should be aimed at improving the health outcome among immigrant groups by targeting the complex causes or consequences of health disparities. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

NIH: The Role of Work in Health Disparities in the U.S. (R01 Clinical Trials Optional)

PAR-21-275

Application Submission Deadline: October 5, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative population-based research that can contribute to identifying and characterizing pathways and mechanisms through which work or occupation influences

health outcomes and health status among populations with health and/or health care disparities, and how work functions as a social determinant of health. This initiative is a call for research to examine work beyond only being a source of “exposures and risk factors,” examining it also as a source of beneficial social and economic resources and attainment of social position and status. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

**NIH: Tobacco Control Policies to Promote Health Equity (R01 Clinical Trial Optional; R21 Clinical Trial Optional)
PAR-20-302; PAR-20-303**

Application Submission Deadline: October 5, 2021 for PAR-20-302; October 16, 2021 for PAR-20-303

The purpose of this Funding Opportunity Announcement (FOA) is to support observational or intervention research focused on reducing disparities in tobacco use and secondhand smoke (SHS) exposure in the U.S. Specifically, this FOA aims to stimulate scientific inquiry focused on innovative state and local level tobacco prevention and control policies. The long-term goal of this FOA is to reduce disparities in tobacco-related cancers, and in doing so, to promote health equity among all populations. Applicants submitting applications related to health economics are encouraged to consult NOT-OD-16-025 to ensure that the research projects align with NIH mission priorities in health economics research. Applications are due by October 5, 2021 for PAR-20-302 and October 16, 2021 for PAR-20-303. Read more information: [PAR-20-302](#); [PAR-20-303](#).

**NIH: Secondary Analyses of Existing Datasets of Tobacco Use and Health (R21 Clinical Trial Not Allowed)
RFA-OD-21-003**

Application Submission Deadline: October 8, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to invite R21 applications proposing the innovative analysis of existing (publicly available) nationally representative U.S. cross-sectional and longitudinal data, including the National Youth Tobacco Survey (NYTS), to investigate novel scientific ideas and/or to generate new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Other publicly available data sets would be considered depending on the analyses to be conducted; however, nationally representative analyses will receive priority. Applications not using nationally representative data sets will need to provide justification why the data set is unique, and why the research questions cannot be answered from a (publicly available) nationally representative data set. This FOA encourages the analyses of public use datasets that may inform tobacco regulatory actions in the United States (U.S.). The awards under this FOA will be administered by NIH using funds that have been made available through FDA-CTP and the Family Smoking Prevention and Tobacco Control Act (P.L. 111-31). Research results from this FOA are expected to generate findings and data that are directly relevant in informing the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health. Research Projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Applications are due by 5:00 PM local time of applicant organization on October 8, 2021. [Read more information.](#)

**NIH: NLM Information Resource Grants to Reduce Health Disparities (G08 Clinical Trial Not Allowed).
PAR-20-283**

Application Submission Deadline: October 22, 2021

This Funding Opportunity Announcement (FOA) solicits resource grant applications for projects that will bring useful, usable health information to health disparity populations and their health care providers. Access to useful, usable, understandable health information is an important factor when making health decisions. Proposed projects should exploit the capabilities of computer and information technology and health sciences libraries to bring health-related information to consumers and their health care providers. Because this FOA focuses on providing health information to health disparity populations, institutions with demonstrated commitment to the needs of health disparity communities (including Tribal Colleges and Universities (TCU), Historically Black Colleges and Universities (HBCU), Hispanic-Serving Institutions (HSI) and other Minority-Serving Institutions (MSI)) are encouraged to apply. Applications are due by October 22, 2021. [Read more information.](#)

**NIH: Health Services Research on Minority Health and Health Disparities (R01- Clinical Trial Optional)
PAR-20-310**

Application Submission Deadline: November 17, 2021

As the Nation's steward of biomedical and behavioral research, NIH has devoted considerable resources to characterize the root causes of health disparities, uncovering a complex web of interconnected and overlapping factors (i.e., biological, behavioral, environmental, and societal). As an important next step, research is needed that capitalizes upon knowledge about causal pathways to directly and demonstrably contribute to the reduction of health disparities. The purpose of this FOA is to encourage health services research that can directly contribute to the improvement of minority health and/or the

reduction of health disparities, while taking into consideration the interaction between system-level healthcare, individual clinical care and social determinants of health, including the role of structural systemic factors, place and neighborhood factors. The focus of this FOA is on all services provided in the healthcare setting where individuals from health disparity populations seek care with a clinician for preventive services, chronic disease management, urgent symptomatic care, emergency care, and hospital care. Applications are due by 5:00 PM local time of the applicant organization on November 17, 2021. [Read more information.](#)

NIH: Human-Animal Interaction (HAI) Research (R01 Clinical Trial Optional) (R03 Clinical Trial Optional) (R21 Clinical Trial Optional)

PAR-20-031; PAR-20-032; PAR-20-033

Application Submission Deadline: November 30, 2021

This Funding Opportunity Announcement (FOA) invites grant applications for research to examine 1) the impact of Human-Animal Interactions (HAI) on typical and atypical child development and health; 2) the evaluation of animal-assisted intervention for children and adults with disabilities or in need of rehabilitative services; 3) the effects of animals on public health, including cost effectiveness of involving animals in reducing and preventing disease. Applications are due by November 20, 2021. Read more information: [R01](#); [R03](#); [R21](#).

New NIH: Effectiveness of School-Based Health Centers to Advance Health Equity (R01 Clinical Trial Optional)

PAR-21-287

Application Submission Deadline: February 5, 2022

The purpose of this Funding Opportunity Announcement is to support research that investigates the effectiveness of school-based health centers (SBHCs) as a health services care delivery model to address the needs of school-aged children from populations with health disparities (hence, underserved youth). The mechanisms of impact by which SBHCs improve the health of at-risk populations such as sexual and gender minority youth, immigrant youth, and youth who reside in rural areas are also a relevant focus for understanding effective models of SBHCs. Projects must include a focus on one or more NIH-designated U.S. populations with health disparities, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, underserved rural populations, and sexual and gender minorities living in the 50 States, tribal lands, and the U.S. territories. Applications are due by 5:00 PM local time of applicant organization on February 5, 2022. [Read more information.](#)

NIH: Intervention Research to Improve Native American Health (R01 Clinical Trial Optional)

PAR-20-238

Application Submission Deadline: May 17, 2022

The purpose of this funding opportunity announcement (FOA) is to support research on interventions to improve health in Native American (NA) populations. This includes 1) etiologic research, where there is a significant gap in knowledge, that will directly inform intervention development or adaptations, 2) research that develops, adapts, or tests the efficacy or effectiveness of health promotion and disease prevention interventions, 3) research that tests culturally informed treatment or recovery interventions and 4) where a sufficient body of knowledge on intervention efficacy exists, research on dissemination and implementation that develops and tests strategies to overcome barriers to the adoption, integration, scale-up, and sustainability of effective interventions. Existing data suggest that significant acute and chronic disease inequities exist for NA populations. Concurrently, NA populations experience unique sociopolitical, historical, and environmental stressors and risks that may exacerbate health conditions and/or impact the effectiveness of existing solutions to address the conditions. They also possess unique strengths and resiliencies that can mitigate stressors or inform intervention strategies. Through this initiative, intervention and related research is sought to build upon community knowledge, resources, and resilience to test science-based, culturally appropriate solutions to reduce morbidity and mortality through identification and remediation of precursors to diseases and disorders and through culturally informed treatment. Interventions should be designed with a consideration for sustainability within the communities where they are tested, and have the flexibility to be readily adapted, disseminated, and scaled up to other communities where culturally appropriate. For the purposes of this FOA, Native Americans include the following populations: Alaska Natives, American Indians (whose ancestral lands fall at least partially within the U.S. mainland border), and Native Hawaiians. The term 'Native Hawaiian' means any individual any of whose ancestors were natives, prior to 1778, of the area which now comprises the State of Hawaii. Applications are due by May 17, 2022. [Read more information.](#)

NIH: Research to Improve Native American Health (R21 Clinical Trials Optional)

PAR-20-214

Application Submission Deadline: May 17, 2022

The purpose of this funding opportunity announcement (FOA) is to support developmental/exploratory studies in preparation for health promotion, disease prevention, treatment, or treatment services research to improve health in

Native American (NA) populations. Applications may include 1) etiologic research, where there is a significant gap in knowledge, that will directly inform intervention development or adaptations, 2) research to develop and pilot test new or adapted interventions for feasibility, acceptability, and scalability, 3) research to test the short-term efficacy of interventions, 4) where a sufficient body of knowledge on intervention efficacy exists, research on strategies to overcome barriers to the adoption, integration, scale-up, and sustainability of effective interventions. Existing data suggest that significant acute and chronic disease inequities exist for NA populations. Concurrently, NA populations experience unique sociopolitical, historical, and environmental stressors and risks that may exacerbate health conditions and/or impact the effectiveness of existing solutions to address the conditions. They also possess unique strengths and resiliencies that can mitigate stressors or inform intervention strategies. Through this announcement, culturally informed exploratory/developmental research is sought that builds upon community knowledge, resources, and resilience to provide foundational knowledge for future science-based, culturally appropriate solutions to reduce morbidity and mortality through identification and remediation of precursors to diseases and disorders and through culturally informed treatment. For the purposes of this FOA, Native Americans include the following populations: Alaska Natives, American Indians (whose ancestral lands fall at least partially within the U.S. mainland border), and Native Hawaiians. The term 'Native Hawaiian' means any individual any of whose ancestors were natives, prior to 1778, of the area which now comprises the State of Hawaii. Applications are due by May 17, 2022. [Read more information.](#)

**NIMH: Pilot Effectiveness Trials for Treatment, Preventive and Services Interventions (R34 Clinical Trial Required)
PAR-21-131**

Application Submission Deadline: October 15, 2021

NIMH solicits clinical trial applications through a series of Funding Opportunity Announcements (FOAs) that cover the intervention development pipeline, from first-in-human, early testing of new interventions, confirmatory efficacy trials, through to effectiveness trials. The purpose of this FOA is to encourage pilot research consistent with NIMH's priorities for: 1) effectiveness research on preventive and therapeutic interventions with previously demonstrated efficacy, for use with broader target populations or for use in community practice settings, and 2) research on the development and preliminary testing of innovative services interventions. Consistent with the NIMH experimental therapeutics approach, this FOA is intended to support pilot studies of intervention effectiveness or service delivery approaches that explicitly address whether the intervention engages the target(s)/mechanism(s) presumed to underlie the intervention effects (i.e., the mechanism(s) that accounts for changes in clinical/functional outcomes, changes in provider behavior, improved access or continuity of services, etc.). In this pilot effectiveness phase of research, NIMH places highest priority on intervention and service delivery approaches that can be justified in terms of their potential to substantially impact practice and public health. This FOA supports pilot studies and provides resources for evaluating the feasibility, tolerability, acceptability and safety and preliminary effectiveness of approaches to improve mental health/functional outcomes, to modify risk factors, or to improve service delivery, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale effectiveness trial (e.g., comparative effectiveness study, pragmatic trial). Support for fully-powered effectiveness studies is provided through separate FOAs that utilize the R01 mechanism for single-site effectiveness trials (PAR-21-130; "Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (R01).") and collaborative R01 mechanism for multi-site effectiveness trials (PAR-21-129; "Clinical Trials to Test the Effectiveness of Treatment, Prevention, and Services Interventions (Collaborative R01 Clinical Trial Required)"). Applicants pursuing other stages of the clinical trial pipeline should consider one of the companion FOAs listed on the site. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

RACE, ETHNICITY, RACIAL AND ETHNIC MINORITIES, AND ANTI-RACISM

**NEW NIDDK: Pilot and Feasibility Studies to Improve Technology Adoption and Reduce Health Disparities in Type 1 Diabetes Mellitus (R01 Clinical Trial Required)
RFA-DK-21-018**

Application Submission Deadline: March 3, 2022

The purpose of this Funding Opportunity Announcement (FOA) from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) is to support pilot and feasibility trials of interventions designed to improve technology adoption in individuals from underrepresented backgrounds with type 1 diabetes mellitus (T1D). Recently, major technological advances in the treatment of T1D, including insulin analogues, insulin pumps, continuous glucose monitoring (CGM) and closed loop systems have provided the potential to dramatically improve outcomes in individuals with T1D. However, glycemic control remains suboptimal for many individuals in the U.S., particularly youth, and especially racial/ethnic minority individuals. The barriers contributing to the inequitable use of diabetes technology are numerous and likely emanate from all social-ecological layers. Through successful execution, these pilot and feasibility trials should provide feasibility data for larger, pragmatic trials with the overarching goal of reducing health disparity in T1D through improving

technology usage in individuals from minority racial and ethnic backgrounds. Applications are due by 5:00 PM local time of applicant organization on March 2, 2022. [Read more information.](#)

NIH: Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations (R01 Clinical trial not allowed)

PAR-21-080

Application Submission Deadline: October 5, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to understand factors uniquely associated with the immigration experience that contribute to health disparities or health advantages among U.S. immigrant populations. This includes but is not limited to risk/protective factors associated with immigration processes from influences that push migration from the sending country, through the experience of immigration, to the experience of resettlement, short and long term residence in the U.S. and the process of acculturation that affect the health of U.S. immigrant populations (particularly migrant workers, recent and 1st generation immigrants). Projects must focus on immigrants from one or more NIH-designated populations that experience health disparities in the United States, which include racial and ethnic minorities (Blacks or African Americans, Hispanics/Latinos, Asian Americans, and Pacific Islanders). For this FOA, residents of U.S. territories (Guam, Puerto Rico, American Samoa, Commonwealth of the Northern Mariana Islands, and U.S. Virgin Islands) who migrate to the U.S. mainland are also considered to be immigrants. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

NIH: Addressing Health Disparities among Immigrant Populations through Effective Interventions (R01 Clinical Trial Optional)

PAR-21-081

Application Submission Deadline: October 5, 2021

The purpose of this initiative is to support research to design and implement effective interventions to enhance health advantages and reduce the health disparities among US immigrant populations. Given the scientific literature documenting health inequities among immigrant populations, this announcement calls for multidisciplinary/multilevel research focusing on the design and implementation of effective interventions that will address immigrant-specific factors to reduce health disparities, particularly among migrant workers, recent and 1st generation immigrants. The intervention research under this FOA should be aimed at improving the health outcome among immigrant groups by targeting the complex causes or consequences of health disparities. Projects must focus on immigrants from one or more NIH-designated populations that experience health disparities in the United States, which include racial and ethnic minorities (Blacks or African Americans, Hispanics/Latinos, Asian Americans, and Pacific Islanders). For this FOA, residents of U.S. territories (Guam, Puerto Rico, American Samoa, Commonwealth of the Northern Mariana Islands, and U.S. Virgin Islands) who migrate to the U.S. mainland are also considered to be immigrants. All applications are due by 5:00 PM local time of applicant organization on October 5, 2021. [Read more information.](#)

NIH: NLM Information Resource Grants to Reduce Health Disparities (G08 Clinical Trial Not Allowed).

PAR-20-283

Application Submission Deadline: October 22, 2021

This Funding Opportunity Announcement (FOA) solicits resource grant applications for projects that will bring useful, usable health information to health disparity populations and their health care providers. Access to useful, usable, understandable health information is an important factor when making health decisions. Proposed projects should exploit the capabilities of computer and information technology and health sciences libraries to bring health-related information to consumers and their health care providers. Because this FOA focuses on providing health information to health disparity populations, institutions with demonstrated commitment to the needs of health disparity communities (including Tribal Colleges and Universities (TCU), Historically Black Colleges and Universities (HBCU), Hispanic-Serving Institutions (HSI) and other Minority-Serving Institutions (MSI)) are encouraged to apply. Applications are due by October 22, 2021. [Read more information.](#)

NIH: Health Services Research on Minority Health and Health Disparities (R01- Clinical Trial Optional)

PAR-20-310

Application Submission Deadline: November 17, 2021

As the Nation's steward of biomedical and behavioral research, NIH has devoted considerable resources to characterize the root causes of health disparities, uncovering a complex web of interconnected and overlapping factors (i.e., biological, behavioral, environmental, and societal). As an important next step, research is needed that capitalizes upon knowledge about causal pathways to directly and demonstrably contribute to the reduction of health disparities. The purpose of this FOA is to encourage health services research that can directly contribute to the improvement of minority health and/or the reduction of health disparities, while taking into consideration the interaction between system-level healthcare, individual

clinical care and social determinants of health, including the role of structural systemic factors, place and neighborhood factors. The focus of this FOA is on all services provided in the healthcare setting where individuals from health disparity populations seek care with a clinician for preventive services, chronic disease management, urgent symptomatic care, emergency care, and hospital care. Applications are due by 5:00 PM local time of the applicant on November 17, 2021. [Read more information.](#)

**NEW NIH: Effectiveness of School-Based Health Centers to Advance Health Equity (R01 Clinical Trial Optional)
PAR-21-287**

Application Submission Deadline: February 5, 2022

The purpose of this Funding Opportunity Announcement is to support research that investigates the effectiveness of school-based health centers (SBHCs) as a health services care delivery model to address the needs of school-aged children from populations with health disparities (hence, underserved youth). The mechanisms of impact by which SBHCs improve the health of at-risk populations such as sexual and gender minority youth, immigrant youth, and youth who reside in rural areas are also a relevant focus for understanding effective models of SBHCs. Projects must include a focus on one or more NIH-designated U.S. populations with health disparities, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, underserved rural populations, and sexual and gender minorities living in the 50 States, tribal lands, and the U.S. territories. Applications are due by 5:00 PM local time of applicant organization on February 5, 2022. [Read more information.](#)

**NIH: Intervention Research to Improve Native American Health (R01 Clinical Trial Optional)
PAR-20-238**

Application Submission Deadline: May 17, 2022

The purpose of this funding opportunity announcement (FOA) is to support research on interventions to improve health in Native American (NA) populations. This includes 1) etiologic research, where there is a significant gap in knowledge, that will directly inform intervention development or adaptations, 2) research that develops, adapts, or tests the efficacy or effectiveness of health promotion and disease prevention interventions, 3) research that tests culturally informed treatment or recovery interventions and 4) where a sufficient body of knowledge on intervention efficacy exists, research on dissemination and implementation that develops and tests strategies to overcome barriers to the adoption, integration, scale-up, and sustainability of effective interventions. Existing data suggest that significant acute and chronic disease inequities exist for NA populations. Concurrently, NA populations experience unique sociopolitical, historical, and environmental stressors and risks that may exacerbate health conditions and/or impact the effectiveness of existing solutions to address the conditions. They also possess unique strengths and resiliencies that can mitigate stressors or inform intervention strategies. Through this initiative, intervention and related research is sought to build upon community knowledge, resources, and resilience to test science-based, culturally appropriate solutions to reduce morbidity and mortality through identification and remediation of precursors to diseases and disorders and through culturally informed treatment. Interventions should be designed with a consideration for sustainability within the communities where they are tested, and have the flexibility to be readily adapted, disseminated, and scaled up to other communities where culturally appropriate. For the purposes of this FOA, Native Americans include the following populations: Alaska Natives, American Indians (whose ancestral lands fall at least partially within the U.S. mainland border), and Native Hawaiians. The term 'Native Hawaiian' means any individual any of whose ancestors were natives, prior to 1778, of the area which now comprises the State of Hawaii. Applications are due by May 17, 2022. [Read more information.](#)

**NIH: Research to Improve Native American Health (R21 Clinical Trials Optional)
PAR-20-214**

Application Submission Deadline: May 17, 2022

The purpose of this funding opportunity announcement (FOA) is to support developmental/exploratory studies in preparation for health promotion, disease prevention, treatment, or treatment services research to improve health in Native American (NA) populations. Applications may include 1) etiologic research, where there is a significant gap in knowledge, that will directly inform intervention development or adaptations, 2) research to develop and pilot test new or adapted interventions for feasibility, acceptability, and scalability, 3) research to test the short-term efficacy of interventions, 4) where a sufficient body of knowledge on intervention efficacy exists, research on strategies to overcome barriers to the adoption, integration, scale-up, and sustainability of effective interventions. Existing data suggest that significant acute and chronic disease inequities exist for NA populations. Concurrently, NA populations experience unique sociopolitical, historical, and environmental stressors and risks that may exacerbate health conditions and/or impact the effectiveness of existing solutions to address the conditions. They also possess unique strengths and resiliencies that can mitigate stressors or inform intervention strategies. Through this announcement, culturally informed exploratory/developmental research is sought that builds upon community knowledge, resources, and resilience to provide foundational knowledge for future science-based, culturally appropriate solutions to reduce morbidity and mortality

through identification and remediation of precursors to diseases and disorders and through culturally informed treatment. For the purposes of this FOA, Native Americans include the following populations: Alaska Natives, American Indians (whose ancestral lands fall at least partially within the U.S. mainland border), and Native Hawaiians. The term 'Native Hawaiian' means any individual any of whose ancestors were natives, prior to 1778, of the area which now comprises the State of Hawaii. Applications are due by May 17, 2022. [Read more information](#).

NIH: Research Supplements to Promote Diversity in Health-Related Research (Admin Supp - Clinical Trial Not Allowed)

PA-18-906

Application Submission Deadline: NIH Institutes and Centers (ICs) dependent

The National Institutes of Health (NIH) and the Center for Disease Control and Prevention hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of research grants that funds are available for administrative supplements to improve the diversity of the research workforce by recruiting and supporting students, postdoctorates, and eligible investigators from diverse backgrounds, including those from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who are or become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project. This Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial. Applicants to this FOA are permitted to propose research experience in a clinical trial led by a mentor or co-mentor. The application deadline varies by IC. [See specific deadlines](#) and [read more information](#).

NIMH: Prevention of Perinatal Depression: Improving Intervention Delivery for At-Risk Individuals (R01 Clinical Trial Required); (R34 Clinical Trial Required)

RFA-MH-21-240; RFA-MH-21-241

Application Submission Deadline: November 9, 2021

The purpose of this Funding Opportunity Announcement (FOA), from the National Institute on Mental Health (NIMH) is to encourage research addressing major gaps identified in the United States Preventive Services Task Force (USPSTF) recommendation statement concerning interventions to prevent perinatal depression, with an emphasis on populations experiencing mental health disparities. The research scope for this FOA includes: 1) refining and pilot testing strategies for identifying women at risk for perinatal depression; 2) developing and testing tools for selecting those most likely to benefit from preventive interventions; 3) refining and testing service-ready efficacious preventive interventions that are of appropriate intensity/dose, and are scalable, such that they can be delivered with fidelity by setting providers; and, 4) optimizing and testing strategies that can be used to train providers and to support delivery of evidence-based approaches with fidelity across diverse health care and community settings. RFA-MH-21-240 is intended to support effectiveness research trials that are statistically powered to provide a definitive answer regarding the effectiveness of the intervention. RFA-MH-21-241 is intended to support pilot effectiveness research trials. NIMH is committed to supporting research that reduces disparities and advances equity in mental health interventions, services, and outcomes. Accordingly, this FOA encourages clinical trials that seek to reduce disparities in perinatal depression prevention for racial and ethnic minority groups, individuals limited by language or cultural barriers, sexual and gender minorities, individuals living in rural areas, socioeconomically disadvantaged persons and other underserved groups. All applications are due by 5:00 PM local time of applicant organization on November 9, 2021. Read more information: [RFA-MH-21-240](#); [RFA-MH-21-241](#).

NIMHD: Exploratory/Developmental Research Grant Program (R21 - Clinical Trial Optional)

PAR-20-150

Application Submission Deadline: October 16, 2021

NIMHD invites applications to support short-term exploratory or developmental research projects that have the potential to break new ground in the fields of minority health and/or health disparities or extend previous discoveries toward new directions or applications that can directly contribute to improving minority health and/or reducing health disparities in the U.S. Applications are due by October 16, 2021. [Read more information](#).

NSF: Alliances for Graduate Education and the Professoriate

16-552

Application Submission Deadline: Second Friday in December, Annually

The Alliances for Graduate Education and the Professoriate (AGEP) program seeks to advance knowledge about models to improve pathways to the professoriate and success for historically underrepresented minority doctoral students, postdoctoral fellows and faculty, particularly African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders, in specific STEM disciplines and/or STEM education research fields. New

and innovative models are encouraged, as are models that reproduce and/or replicate existing evidence-based alliances in significantly different disciplines, institutions, and participant cohorts. The AGEP program goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success. The program objectives include: To support the development, implementation and study of innovative models of doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields; and to advance knowledge about the underlying issues, policies and practices that have an impact on the participation, transitions and advancement of historically underrepresented minorities in the STEM academy. Applications are due by the second Friday in December, annually. [Read more information.](#)

SEX, GENDER, SEXUALITY, SEXUAL AND GENDER MINORITIES

NEW NIH: Effectiveness of School-Based Health Centers to Advance Health Equity (R01 Clinical Trial Optional) PAR-21-287

Application Submission Deadline: February 5, 2022

The purpose of this Funding Opportunity Announcement is to support research that investigates the effectiveness of school-based health centers (SBHCs) as a health services care delivery model to address the needs of school-aged children from populations with health disparities (hence, underserved youth). The mechanisms of impact by which SBHCs improve the health of at-risk populations such as sexual and gender minority youth, immigrant youth, and youth who reside in rural areas are also a relevant focus for understanding effective models of SBHCs. Projects must include a focus on one or more NIH-designated U.S. populations with health disparities, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, underserved rural populations, and sexual and gender minorities living in the 50 States, tribal lands, and the U.S. territories. Applications are due by 5:00 PM local time of applicant organization on [February 5, 2022](#). [Read more information.](#)

NIMH: Prevention of Perinatal Depression: Improving Intervention Delivery for At-Risk Individuals (R01 Clinical Trial Required); (R34 Clinical Trial Required)

RFA-MH-21-240; RFA-MH-21-241

Application Submission Deadline: November 9, 2021

The purpose of this Funding Opportunity Announcement (FOA), from the National Institute on Mental Health (NIMH) is to encourage research addressing major gaps identified in the United States Preventive Services Task Force (USPSTF) recommendation statement concerning interventions to prevent perinatal depression, with an emphasis on populations experiencing mental health disparities. The research scope for this FOA includes: 1) refining and pilot testing strategies for identifying women at risk for perinatal depression; 2) developing and testing tools for selecting those most likely to benefit from preventive interventions; 3) refining and testing service-ready efficacious preventive interventions that are of appropriate intensity/dose, and are scalable, such that they can be delivered with fidelity by setting providers; and, 4) optimizing and testing strategies that can be used to train providers and to support delivery of evidence-based approaches with fidelity across diverse health care and community settings. RFA-MH-21-240 is intended to support effectiveness research trials that are statistically powered to provide a definitive answer regarding the effectiveness of the intervention. RFA-MH-21-241 is intended to support pilot effectiveness research trials. NIMH is committed to supporting research that reduces disparities and advances equity in mental health interventions, services, and outcomes. Accordingly, this FOA encourages clinical trials that seek to reduce disparities in perinatal depression prevention for racial and ethnic minority groups, individuals limited by language or cultural barriers, sexual and gender minorities, individuals living in rural areas, socioeconomically disadvantaged persons and other underserved groups. All applications are due by 5:00 PM local time of applicant organization on [November 9, 2021](#). Read more information: [RFA-MH-21-240](#); [RFA-MH-21-241](#).

SOCIAL PSYCHOLOGY

NIH: Dyadic Interpersonal Processes and Biopsychosocial Outcomes (R01 Clinical Trials Not Allowed)

PAR-21-281

Application Submission Deadline: February 5, 2022

This funding opportunity announcement (FOA) invites basic and/or methodological research projects that seek to illuminate or measure independent and interdependent health-related effects within dyads. For the purpose of this FOA, a dyad is a unit of two individuals whose interactions and influences on one another are nested within larger social contexts and networks. Both animal and human subjects research projects are welcome. Types of projects submitted under this FOA include but are not limited to, observational studies involving humans, or existing/synthesized datasets studies. Researchers proposing basic science experimental studies involving human participants (i.e., experimentally

manipulate independent variables) should consider the companion FOA PAR-21-280 "Dyadic Interpersonal Processes and Biopsychosocial Outcomes (R01 Basic Experimental Studies with Humans)." All applications are due by 5:00 PM local time of applicant organization on February 5, 2022. [Read more information.](#)

NIH: Dyadic Interpersonal Processes and Biopsychosocial Outcomes (R01 - Basic Experimental Studies with Humans)

PAR-21-280

Application Submission Deadline: March 5, 2022

This funding opportunity announcement (FOA) invites basic and/or methodological research projects that illuminate and/or measure independent and interdependent health-related effects within dyads across relationships and settings. For the purpose of this FOA, a dyad is a unit of two individuals whose interactions and influences on one another are nested within larger social contexts and networks. Dyads are social relationships that extend beyond the individual and have strong bidirectional influences on physical and mental health. For the purpose of this FOA, independent effects are those effects that affect each member of the dyad individually (i.e., by nature of being part of the dyad), whereas interdependent effects are those that affect one member of the dyad contingent upon the other member of the dyad (i.e., not only because the individual is part of a dyad but also because being part of the dyad has an effect on the other individual within the dyad as well). All applications are due by 5:00 PM local time of applicant organization on March 5, 2022. [Read more information.](#)

NIMH: Development of Psychosocial Therapeutic and Preventive Interventions for Mental Disorders (R33 Clinical Trial Required)

PAR-21-134

Application Submission Deadline: October 15, 2021

The National Institute of Mental Health (NIMH) solicits clinical trial applications through a series of Funding Opportunity Announcements (FOAs) that cover the intervention development pipeline, from first-in-human, early testing of new interventions, confirmatory efficacy trials, through to effectiveness trials. The purpose of this FOA is to encourage pilot research developing and testing innovative psychosocial intervention approaches in which the target and/or intervention strategy is novel. Consistent with NIMH's experimental therapeutics approach, this FOA is intended to speed the translation of emergent research on mechanisms and processes underlying mental disorders into promising novel psychosocial preventative or therapeutic interventions. Targets may include, but are not limited to, potentially modifiable behavioral, cognitive, affective and/or interpersonal factors or processes, neural circuits or neural activity subserving specific behaviors or cognitive processes, and/or other neurobiological mechanisms. Novel psychosocial intervention strategies might include in-person or technology-assisted delivery, provided the target and/or the intervention strategy is novel. They may also be standalone interventions or augmentations of efficacious interventions for which there is an empirical rationale by which the augmentation (and corresponding target) is expected to substantially enhance outcomes. Support will be provided for up to 3 years for studies to replicate previous target engagement findings, and to relate change in the intervention target/mechanism to clinical benefit. Ultimately, trials must be designed so that results, whether positive or negative, will provide information of high scientific utility and will support "go/no-go" decisions about further development and/or testing of the intervention. This FOA is designed for applicants seeking to fund pilot stages of research. Applicants pursuing other stages of the clinical trial pipeline should consider one of the companion FOAs listed on the site. Applications are due by 5:00 PM local time of applicant organization on October 15, 2021. [Read more information.](#)

NSF: Social Psychology

NSF 98-1332

Application Submission Deadline: January 15 and July 15 annually

The Social Psychology Program at NSF supports basic research on human social behavior, including cultural differences and development over the life span. Among the many research topics supported are: attitude formation and change, social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior. The scientific merit of a proposal depends on four important factors: (1) The problems investigated must be theoretically grounded. (2) The research should be based on empirical observation or be subject to empirical validation. (3) The research design must be appropriate to the questions asked. (4) The proposed research must advance basic understanding of social behavior. Grant applications are due by January 15 and July 15 annually. [Read more information.](#)

SOCIOLOGY

NSF: National Science Foundation Sociology Program PD-98-1331

Application Submission Deadline: January 15 and August 15 annually

The Sociology Program supports basic research on all forms of human social organization -- societies, institutions, groups and demography -- and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. The Program supports both original data collections and secondary data analysis that use the full range of quantitative and qualitative methodological tools. Theoretically grounded projects that offer methodological innovations and improvements for data collection and analysis are also welcomed. Applications are due on January 15 and August 15 annually. [Read more information.](#)

NSF: Human Networks and Data Science (HNDS) NSF 21-514

Application Submission Deadline: First Thursday in February, Annually

The Human Networks and Data Science program (HNDS) supports research that enhances understanding of human behavior and how humans interact with and are influenced by their environments by leveraging data science and network science research across a broad range of topics. HNDS research will identify ways in which dynamic, distributed, and heterogeneous data can provide novel answers to fundamental questions about individual and group behavior. HNDS is especially interested in proposals that provide data-rich insights about human networks to support improved health, prosperity, and security. The HNDS program offers two tracks: one for infrastructure projects and one for core research activities. Infrastructure projects (HNDS-I) will develop user-friendly large-scale next-generation data resources and relevant analytic techniques to advance fundamental research in SBE areas of study. Core research projects (HNDS-R) will address theoretically motivated questions about the nature, causes, and/or consequences of human behavior (broadly defined) that occurs within the multidimensional contexts defined by the networks that determine the human experience, from the biological networks in the human body to the sociocultural, economic and geospatial networks that comprise human societies. All applications are due by 5:00 PM local time of applicant organization on the first Thursday in February, annually. [Read more information.](#)

SUBSTANCE USE, MISUSE, AND ABUSE

NIAAA Prevention and Intervention Approaches for Fetal Alcohol Spectrum Disorders (R34 Clinical Trial Optional; R61/R33 Clinical Trial Optional) PAR-21-097; PAR-21-098

Application Submission Deadline: October 19, 2021

This Funding Opportunity Announcement (FOA) focuses on prevention and intervention strategies for fetal alcohol spectrum disorders (FASD) throughout the lifespan. The intent of this FOA is to support research that advances (1) prevention approaches to reduce prenatal alcohol exposure and the incidence of FASD and (2) interventions for FASD. Research conducted via the R34 mechanism will consist of studies that are a pre-requisite for preparing and submitting subsequent applications for larger scale FASD prevention or intervention studies. The R61 phase will support pilot studies or secondary data analysis for hypothesis development and feasibility, and research testing the hypotheses can be expanded in the R33 phase. Applications are due by 5:00 PM local time of applicant organization on October 19, 2021. Read more information: [PAR-21-097](#); [PAR-21-098](#).

NIAAA Resource-Related Research Projects (R24 Clinical Trial Not Allowed) PAR-21-072

Application Submission Deadline: September 25, 2021

The purpose of the Resource-Related Research Projects (R24) grant provided by the National Institute on Alcohol Abuse and Alcoholism (NIAAA) is to support investigator-initiated resources designed to provide materials and services to support and advance biomedical research on a national basis. An R24 resource grant mechanism is a non-hypothesis-driven activity to provide data, materials, tools, or services that are essential to making timely, high quality, and cost-efficient progress in a field. Hypothesis-driven research applications should not be submitted in response to this program announcement but to another mechanism that encourages this type of research. The resource should be available to any qualified investigator, and should be highly quality controlled, and not duplicate resources available commercially or through other sources. Resources should be designed to provide services to the broad alcohol research community and

should not be limited by any specific regional focus. Applications are due by 5:00 PM local time of applicant organization on September 25, 2021. [Read more information.](#)

NIDA: High-throughput Discovery and Validation of Novel Signal Transducers or Small Molecules that Modulate Opioid or other Substance Use Disorder Relevant Pathways (R01 - Clinical Trials Not Allowed)

RFA-DA-22-006

Application Submission Deadline: September 15, 2021

This FOA will support high-throughput screening approaches to identify novel receptors, signal transducers, or small molecules that modulate Substance Use Disorder (SUD)-relevant signal transduction pathways (dopamine, opioid, cannabinoid, nicotinic, or other appropriately justified pathway). Applicants may also propose secondary screens and/or validation of high value identified targets. [Read more information.](#)

NIDA: Research Center of Excellence Grant Program (P50 Clinical Trial Optional)

PAR-19-259

Application Submission Deadline: September 25, 2021

This Funding Opportunity Announcement (FOA) is to provide support for research Centers that (1) conduct drug abuse and addiction research in any area of NIDA's mission, (2) have outstanding innovative science, (3) are multidisciplinary, thematically integrated, synergistic, and (4) serve as national resource(s) to provide educational and outreach activities to drug abuse research communities, educational organizations, the general public, and policy makers in the NIDA research fields. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are required. The P50 Center of Excellence is expected to foster the career development and mentoring of new investigators who would be given meaningful roles to play in the Center projects. A goal of this program is to create NIDA Centers that are national community resources for furthering drug abuse research by sharing their findings, their data, and their resources as appropriate for researchers to use and build upon and to advance research in this field. Letters of intent are due 30 days prior to the application due date. Applications are due by September 25, 2021. [Read more information.](#)

NIDA: Exploratory Studies to Investigate the Mechanisms of Interrelationship Between Sleep and Substance Use Disorders (R61/R33 Clinical Trials Not Allowed)

RFA-DA-22-016

Application Submission Deadline: October 14, 2021

The purpose of this FOA is to support research project applications that are developmental and exploratory in nature to expand our knowledge on the basic neurobiology of the interrelationship between sleep and substance use disorders (SUDs). These mechanistic studies will not only offer an insight into the fundamental processes that link substance use disorders to disorders of sleep regulation and vice-versa but may also have implications for managing the risk for the development of SUDs and identifying new targets for prevention and therapeutics. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. [Read more information.](#)

NIDA: Exploratory Studies to Investigate the Mechanisms of Interrelationship between Sleep and Substance Use Disorders (R61/R33 Basic Experimental Studies with Humans Required)

RFA-DA-22-029

Application Submission Deadline: October 14, 2021

The purpose of this FOA is to support research project applications that are developmental and exploratory in nature to expand our knowledge on the basic neurobiology of the interrelationship between sleep and substance use disorders (SUDs). Projects may explore the molecular, cellular, circuit and behavioral interactions between sleep and SUDs. All applications are due by 5:00 PM local time of applicant organization on October 14, 2021. [Read more information.](#)

NIDA: Mechanistic Studies on the Impact of Social Inequality on the Substance Use Trajectory (R21 - Clinical Trial Not Allowed); (R01 Clinical Trial Not Allowed); (R01 Basic Experimental Studies with Humans Required); (R21 - Basic Experimental Studies with Humans Required)

RFA-DA-22-005; RFA-DA-22-007; RFA-DA-22-024; RFA-DA-22-030

Application Submission Deadline: October 14, 2021

This funding opportunity announcement (FOA) invites mechanistic studies on the impact of social inequality on the brain and on the substance use trajectory. Applications investigating relevant mechanisms at the behavioral, cognitive, neurocircuitry, cellular, genetics, and epigenetics levels are encouraged. Applications are due by 5:00 PM local time of applicant organization on October 14, 2021. Read more information: [RFA-DA-22-005](#); [RFA-DA-22-007](#); [RFA-DA-22-024](#); [RFA-DA-22-030](#).

NIDA: Behavioral Science Track Award for Rapid Transition (B/Start)(R03 Clinical Trial Optional)

PAR-19-310**Application Submission Deadline: October 16, 2021**

This Funding Opportunity from the National Institute on Drug Abuse (NIDA) will use a NIH Small Research Grant (R03) award mechanism to support studies that apply affective, cognitive and behavioral science approaches to research questions relevant to substance use disorders (SUD). With this R03 mechanism, NIDA aims to seed innovative affective, cognitive and behavioral hypotheses, models, and methods in preclinical and clinical SUD research. The B/START R03 is intended for recently-independent investigators with expertise in behavioral science as well as established investigators who are using behavioral science approaches to SUD for the first time. Studies supported by B/START are expected to produce a coherent set of preliminary findings that would inform the design of a more complete study and serve as preliminary data supporting feasibility or scientific rationale in an R01, R21 or similar application. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

NIDA: Small Research Grant Program (R03 Clinical Trial Required)**PA-20-146****Application Submission Deadline: October 16, 2021**

The NIDA Small Research Grant Program supports small clinical trials that can be carried out in a short period of time with limited resources. This program supports different types of projects including pilot, feasibility, or small clinical trials with medications, behavioral interventions, immunotherapies, therapeutic devices, therapeutic digital applications, health services, prevention interventions, biomarkers, and development of research methodology. This Funding Opportunity Announcement requires that a clinical trial be proposed. The proposed project must be related to the programmatic interests of NIDA. Applications are due by October 16, 2021. [Read more information](#).

NIDA: Substance Use/Substance Use Disorder Dissertation Research Award (R36 - Clinical Trials Optional)**PA-20-208****Application Submission Deadline: October 16, 2021**

The goal of this FOA is to support doctoral candidates from a variety of academic disciplines for up to two years for the completion of the doctoral dissertation research project. Research projects should align with NIDA funding priorities or within the NIDA Strategic Plan. This award will facilitate the entry of promising new investigators into the field of substance use/substance use disorder (SU(D) research, enhancing the pool of highly talented SU(D) researchers. Applications are particularly encouraged from those who can contribute to diversifying the research workforce as described in the Notice of NIH's Interest in Diversity. Applications are due by 5pm local time of applicant organization on October 16, 2021. [Read more information](#).

NIDA: Advancing Technologies to Improve Delivery of Pharmacological, Gene Editing, and Other Cargoes for HIV and SUD Mechanistic or Therapeutic Research (R01- Clinical Trial Optional)**RFA-DA-22-010****Application Submission Deadline: October 25, 2021**

The purpose of this funding opportunity is to develop technologies to improve the delivery of pharmacological, gene editing, or other cargoes for HIV and substance use disorder (SUD) mechanistic research. Current anti-retroviral therapies also have problems with drug toxicity, bioavailability, and have not been formulated for sustained release. Long term sustained delivery is needed among people with substance use disorders where compliance with an anti-retroviral therapy regimen may be problematic. To address these issues the development of improved reagents or technologies to enable targeted delivery of reagents (e.g. small molecules, biologics, gene editing reagents, etc.) to particular CNS regions or cell types is of great interest. Applications are due by 5:00 PM local time of applicant organization on October 25, 2021. [Read more information](#).

NIDA: Mentored Clinical Scientist Development Program Award in Substance Use and Substance Use Disorder Research (K12 Clinical Trial Optional)**PAR-20-249****Application Submission Deadline: November 15, 2021**

This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research and career development experiences for clinician scientists (Scholars) leading to research independence in the area of substance use and substance use disorder research. For this FOA, clinician scientists may include (but are not limited to) physicians, clinical psychologists, epidemiologists, doctoral level social workers, pharmacists, and behavioral scientists. Scholars are expected to be supported for 3-5 years on consecutive 12-month appointments. Candidates selected for support as scholars must hold a doctorate and commit a minimum of 9 person months (equivalent to 75% of full-time professional effort) to conducting clinical research and career development activities associated with the proposed program. Applications are due by November 15, 2021. [Read more information](#).

NIDA: Development & Testing of Novel Interventions to improve HIV Prevention, Treatment, and Program Implementation for People Who Use Drugs (R34 Clinical Trial Required)

PA-21-205

Application Submission Deadline: January 7, 2022

This Funding Opportunity Announcement (FOA) from the National Institute on Drug Abuse (NIDA) encourages formative research, intervention development, and pilot-testing of interventions for people who use drugs. Primary outcomes of interest include the feasibility, tolerability, acceptability and safety of novel or adapted interventions that target HIV prevention, treatment or services research. "Intervention" here may include behavioral, social, or structural approaches, as well as combination biomedical and behavioral approaches that prevent the acquisition or transmission of HIV infection or improve clinical outcomes for persons living with HIV. Applications are due by 5pm local time of the applicant organization on January 7, 2022. [Read more information.](#)

NIDA: Exploratory Studies to Investigate Mechanisms of HIV Infection, Replication, Latency, and/or Pathogenesis in the Context of Substance Use Disorders (R61/R33 - Clinical Trial Not Allowed)

RFA-DA-22-004

Application Submission Deadline: August 10, 2022

The purpose of this FOA is to support exploratory studies developing or using novel tools or technologies or testing novel hypotheses to investigate mechanistic questions in HIV infection, replication, latency, and/or pathogenesis (including neuroHIV) in the context of Substance Use Disorders (SUDs). This initiative focuses on exploration and characterization of signaling pathways that are involved in central nervous system (CNS) HIV establishment and expansion. The FOA aims to promote research to investigate the underlying molecular mechanisms by which HIV infection is initiated, established, and maintained in the CNS and to determine how addictive substances modulate HIV infection, latency and the size and persistence of CNS HIV reservoirs. Applications are due by 5pm local time of applicant organization on August 10, 2022. [Read more information.](#)

NIH: Secondary Analyses of Existing Datasets of Tobacco Use and Health (R21 Clinical Trial Not Allowed)

RFA-OD-21-003

Application Submission Deadline: October 8, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to invite R21 applications proposing the innovative analysis of existing (publicly available) nationally representative U.S. cross-sectional and longitudinal data, including the National Youth Tobacco Survey (NYTS), to investigate novel scientific ideas and/or to generate new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Other publicly available data sets would be considered depending on the analyses to be conducted; however, nationally representative analyses will receive priority. Applications not using nationally representative data sets will need to provide justification why the data set is unique, and why the research questions cannot be answered from a (publicly available) nationally representative data set. This FOA encourages the analyses of public use datasets that may inform tobacco regulatory actions in the United States (U.S.). The awards under this FOA will be administered by NIH using funds that have been made available through FDA-CTP and the Family Smoking Prevention and Tobacco Control Act (P.L. 111-31). Research results from this FOA are expected to generate findings and data that are directly relevant in informing the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health. Research Projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP). Applications are due by 5:00 PM local time of applicant organization on October 8, 2021. [Read more information.](#)

NIH: Pilot Health Services and Economic Research on the Treatment of Drug, Alcohol, and Tobacco Use Disorders (R34 - Clinical Trial Optional)

PA-21-180

Application Submission Deadline: October 16, 2021

This Funding Opportunity Announcement (FOA) encourages pilot and preliminary research in preparation for larger-scale services research effectiveness trials. Relevant trials may test a wide range of approaches, including interventions, practices, and policies designed to optimize access to, and the quality, effectiveness, affordability and utilization of drug, tobacco, or alcohol use disorder treatments and related services, as well as services for comorbid medical and mental disorder conditions. Relevant approaches may include both those that are novel, and those that are commonly used in practice but lack an evidence base. This FOA provides resources for assessing the feasibility, acceptability, and utility of these approaches, in addition to usual trial preparation activities. Applications are due by 5pm local time of the applicant organization on October 16, 2021. [Read more information.](#)

NIH: HEAL Initiative: Novel Targets for Opioid Use Disorders and Opioid Overdose (R01 Clinical Trial Not Allowed)

RFA-DA-22-031

Application Submission Deadline: October 19, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support research projects focusing on the identification of druggable new targets and discovery of optimizable probes for development of safe and efficacious medications to prevent and treat opioid use disorders (OUDs), opioid overdose, and opioid-polysubstance use comorbidities. This FOA is part of the NIH Helping to End Addictions Long-term (HEAL) initiative to accelerate the development of novel medications to treat all aspects of the opioid addiction cycle, including progression to chronic use, withdrawal symptoms, craving, relapse, and overdose. All applications are due by 5:00 PM local time of applicant organization on October 19, 2021. [Read more information.](#)

NIH: Providing Research Education Experiences to Enhance Diversity in the Next Generation of Substance Use and Addiction Scientists (R25 Clinical Trials Not Allowed)

PAR-20-236

Application Submission Deadline: November 15, 2021

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Research Experiences and Courses for Skills Development. Applications are due by 5:00 PM local time of applicant organization on November 15, 2021. [Read more information.](#)

NIH: Multi-Site Studies for System-Level Implementation of Substance Use Prevention and Treatment Services (R01 Clinical Trial Optional; R01 Clinical Trial Optional)

PAR-21-022; PAR-21-023

Application Submission Deadline: November 15, 2021

As part of the Collaborative Research on Addiction at NIH (CRAN) initiative, the National Institute on Drug Abuse (NIDA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Cancer Institute (NCI) join to issue this FOA. The purpose of this FOA is to support the development and testing of implementation strategies to achieve system-level adoption of evidence-based interventions, guidelines, or practices to improve the delivery, quality, and sustainability of prevention or treatment services for substance use disorders. This FOA seeks research projects that will test implementation strategies intended to achieve system-wide integration of evidence-based practices (interventions, guidelines, or service delivery models) to prevent or treat substance use disorders (broadly defined to include alcohol, tobacco and other drugs, as well as prescription medications). Areas of interest also include implementation of guidelines related to the appropriate use of opioids for pain management in individuals with or at risk for opioid use disorder. All applications are due by 5:00 PM local time of applicant organization on November 15, 2021. Read more information: [PAR-21-022](#); [PAR-21-023](#)