

REAP Funding Opportunity Purpose

Department of Health and Human Services
Part 1. Overview Information

Participating Organization(s)

National Institutes of Health ([NIH](#))

Components of Participating Organizations

National Institute of Dental and Craniofacial Research ([NIDCR](#))

National Cancer Institute ([NCI](#))

National Eye Institute ([NEI](#))

National Heart, Lung, and Blood Institute ([NHLBI](#))

National Institute on Aging ([NIA](#))

National Institute of Allergy and Infectious Diseases ([NIAID](#))

National Institute of Arthritis and Musculoskeletal and Skin Diseases ([NIAMS](#))

National Institute of Biomedical Imaging and Bioengineering ([NIBIB](#))

Eunice Kennedy Shriver National Institute of Child Health and Human Development ([NICHD](#))

National Institute on Deafness and Other Communication Disorders ([NIDCD](#))

National Institute on Drug Abuse ([NIDA](#))

National Institute of Environmental Health Sciences ([NIEHS](#))

National Institute of Mental Health ([NIMH](#))

National Institute of Neurological Disorders and Stroke ([NINDS](#))

National Center for Complementary and Integrative Health ([NCCIH](#))

National Institute of Nursing Research ([NINR](#))

National Institute on Minority Health and Health Disparities (NIMHD)

National Institute of Alcohol Abuse and Alcoholism ([NIAAA](#))

Funding Opportunity Title

Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools (R15 Clinical Trial Not Allowed)

Activity Code

[R15](#) Research Enhancement Award

Announcement Type

New

Related Notices

- **November 12, 2019** - Notice of Special Interest: Advancing Research for Tickborne Diseases (TBDs). See Notice [NOT-AI-20-005](#).
- **October 1, 2019** - Notice of NIAID's Participation in NOT-DE-19-013. See Notice [NOT-AI-19-075](#).
- **September 26, 2019** - Clarifications Regarding Institutional Eligibility for PAR-19-134. See Notice [NOT-DE-19-013](#).
- **August 23, 2019** - Clarifying Competing Application Instructions and Notice of Publication of Frequently Asked Questions (FAQs) Regarding Proposed Human Fetal Tissue Research. See Notice [NOT-OD-19-137](#).
- **July 26, 2019** - Changes to NIH Requirements Regarding Proposed Human Fetal Tissue Research. See Notice [NOT-OD-19-128](#).
- **April 17, 2019** - NEI Notice of Participation in PAR-19-134. See Notice [NOT-EY-19-024](#).
- **February 01, 2019** - Notice of NIAID Research Objectives added to PAR-19-134. See Notice [NOT-AI-19-037](#).
- **January 28, 2019** - Notice to Clarify NIBIB's Research Objectives Under PAR-19-134. See Notice [NOT-EB-19-002](#).
- **January 23, 2019** - Notice of NIAAA's participation in PAR-19-134. See Notice [NOT-AA-19-002](#).
- **January 17, 2019** - Notice of NINR Research Objectives added to PAR-19-134. See Notice [NOT-NR-19-002](#).
- **January 4, 2019** - Notice of NIMHD Participation in PAR-19-134. See Notice [NOT-MD-19-003](#).

Funding Opportunity Announcement (FOA) Number

PAR-19-134

Companion Funding Opportunity

[PAR-19-135](#), [R15](#) Research Enhancement Award

Number of Applications

See [Section III. 3. Additional Information on Eligibility](#).

Catalog of Federal Domestic Assistance (CFDA) Number(s)

93.121, 93.213, 93.393, 93.394, 93.395, 93.396, 93.399, 93.840, 93.233, 93.837, 93.838, 93.839, 93.866, 93.855, 93.846, 93.286, 93.865, 93.279, 93.173, 93.113, 93.242, 93.853, 93.361, 93.307, 93.273, 93.867

Funding Opportunity Purpose

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.

Eligible institutions must award NIH-relevant baccalaureate or advanced degrees in health professions and have received less than \$6 million per year of NIH support (total costs) in 4 of the last 7 fiscal years. In this FOA, a college is a stand-alone entity and not a component of a university system.

Key Dates

Posted Date

December 21, 2018

Open Date (Earliest Submission Date)

January 25, 2019

Letter of Intent Due Date(s)

Not Applicable

Application Due Date(s)

[Standard dates](#) apply, by 5:00 PM local time of applicant organization. All [types of non-AIDS applications](#) allowed for this funding opportunity announcement are due on these dates.

The first standard application due date for this FOA is February 25, 2019.

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

AIDS Application Due Date(s)

[Standard AIDS dates](#) apply by 5:00 PM local time of applicant organization. All [types of AIDS and AIDS-related applications](#) allowed for this funding opportunity announcement are due on these dates.

The first AIDS application due date for this FOA is May 7, 2019.

Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

Scientific Merit Review

[Standard dates](#) apply Of the two choices, keep only the applicable one.

Advisory Council Review

[Standard dates](#) apply Of the two choices, keep only the applicable one. The month must be an IMPAC month as shown in the standard dates table (August, October, January, May)

Earliest Start Date

[Standard dates](#) apply Of the two choices, keep only the applicable one – should correspond with the standard dates table (September, December, April, July).

Expiration Date

January 8, 2022

Due Dates for E.O. 12372

Not Applicable

Required Application Instructions

It is critical that applicants follow the Research (R) Instructions in the [SF424 \(R&R\) Application Guide](#), except where instructed to do otherwise (in this FOA or in a Notice from the [NIH Guide for Grants and Contracts](#)). Conformance to all requirements (both in the Application Guide and the FOA) is required and strictly enforced. Applicants must read and follow all application instructions in the Application Guide as well as any program-specific instructions noted in [Section IV](#). When the program-specific instructions deviate from those in the Application Guide, follow the program-specific instructions. **Applications that do not comply with these instructions may be delayed or not accepted for review.**

There are several options available to submit your application through Grants.gov to NIH and Department of Health and Human Services partners. You **must** use one of these submission options to access the application forms for this opportunity.

1. Use the NIH ASSIST system to prepare, submit and track your application online.
2. Use an institutional system-to-system (S2S) solution to prepare and submit your application to Grants.gov and [eRA Commons](#) to track your application. Check with your institutional officials regarding availability.
3. Use [Grants.gov](#) Workspace to prepare and submit your application and [eRA Commons](#) to track your application.

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Part 2. Full Text of Announcement

Section I. Funding Opportunity Description

The National Institutes of Health (NIH) is continuing to make a special effort to stimulate research at educational institutions that provide baccalaureate and/or advanced degrees for a significant number of the Nation's research institutions that have not been major recipients of NIH support. Since Fiscal Year (FY) 1985 Congressional appropriations for the NIH have included funds for this initiative, known as the Academic Research Enhancement Award (AREA) program that was intended to focus on undergraduate institutions ([PAR-18-714](#)). To complement the AREA program, this funding opportunity announcement (FOA) specifically supports eligible health professional schools and graduate schools to provide research experiences to undergraduate and/or graduate students pursuing biomedical or behavioral research. Eligible institutions (e.g., the university or college) must award NIH-relevant baccalaureate or advanced degrees and have received less than \$6 million dollars per year of NIH support (total costs) in 4 of the last 7 fiscal years. Note that all activity codes are included in this calculation except the following: C06, S10, and all activity codes starting with a G. In this FOA a college is a stand-alone entity and not a component of a university system. This new program is

called the Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools.

The objectives of the REAP are to provide support for meritorious research, to strengthen the research environment of health professional schools and graduate schools that have not been major recipients of NIH support, and to expose available undergraduate and/or graduate students in such environments to meritorious research.

For the purposes of this FOA, health professional schools and colleges are accredited institutions that provide education and training leading to a health professional degree, including but not limited to: BSN, MSN, DNP, MD, DDS, DO, PharmD, DVM, OD, DPT, DC, ND, DPM, MOT, OTD, DPT, BME, MSEE, MS-SLP, CScD, SLPD, AuD, MSPO, MSAT, and MPH. Eligible health professional schools/colleges may include schools or colleges of nursing, medicine, dentistry, osteopathy, pharmacy, veterinary medicine, public health, optometry, allied health, chiropractic, naturopathy, podiatry, rehabilitation medicine, physical therapy, orthotics & prosthetics, kinesiology, biomedical engineering, occupational therapy and psychology. Accreditation must be provided by a body approved for such purpose by the Secretary of Education.

The REAP will enable qualified scientists to receive support for small-scale research projects. These grants are intended to create a research opportunity for scientists and institutions otherwise unlikely to participate extensively in NIH programs that support the Nation's biomedical and behavioral research effort. It is anticipated that investigators supported under the REAP will benefit from the opportunity to conduct independent research; that the grantee institution will benefit from a research environment strengthened through REAP grants and that undergraduate and/or graduate students at recipient institutions will benefit from exposure to and participation in scientific research.

The research project must involve undergraduate and/or graduate students in the proposed research. Student involvement in the research may include participation in the design of experiments and controls, collection and analysis of data, execution and troubleshooting of experiments, presentation at meetings, drafting journal articles, collaborative interactions, participation in lab meetings to discuss results and future experiments, etc. The REAP is a research grant program, not a training or fellowship program. As such, applications should not include training plans such as didactic training plans or non-research activities relating to professional development.

A REAP application may include other investigators, such as collaborators or consultants, or other trainees such as high school students, post baccalaureate participants, postdoctoral fellows, or clinical fellows. However, involvement of such individuals does not fulfill the goal to expose undergraduate and/or graduate students in eligible environments to research.

This FOA supports investigator-initiated research that addresses the missions and research interests of participating NIH Institutes and Centers. Proposed studies should be hypothesis-driven and produce research data/evidence that are necessary to inform core

scientific, design, implementation and issues essential to advance scientific knowledge. This FOA will support basic and/or human subjects research, but will NOT support research meeting the NIH definition of a clinical trial. Investigators wishing to propose a clinical trial should apply to the Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools (R15 Clinical Trial Required) funding opportunity ([PAR-19-135](#)).

Research Objectives of Participating NIH Institutes and Centers

National Heart, Lung, and Blood Institute ([NHLBI](#))

The NHLBI supports basic and clinical research pertaining to the structure, function, and diseases of the cardiovascular system, lungs, blood and blood vessels, and sleep disorders. The NHLBI also supports research in stem cell biology and transplantation, transfusion medicine, and blood resources. The NHLBI carries out its mission through a number of research programs that provide support for projects ranging from studies at the molecular level to whole body studies in man and animals. Examples of research areas supported by the NHLBI include atherosclerosis, hypertension, cerebrovascular disease (directed at the dependent variable of blood, heart, or blood vessel), coronary heart disease, peripheral vascular diseases, arrhythmias, heart failure, and shock, congenital and rheumatic heart diseases, cardiomyopathies and infections of the heart, circulatory assistance, lung cell and molecular biology, chronic obstructive lung diseases, pediatric pulmonary diseases, cystic fibrosis, sleep-disordered breathing, asthma, fibrotic and immunologic lung diseases, acute respiratory failure, pulmonary vascular diseases, HIV-associated lung disorders and bone marrow suppression, bleeding and clotting disorders, disorders of the red blood cell such as sickle cell disease and Cooley's anemia, bone marrow failure syndromes, and blood resources.

National Institute of Arthritis and Musculoskeletal and Skin Diseases ([NIAMS](#))

The mission of NIAMS is to support research into the causes, treatment, and prevention of arthritis and musculoskeletal and skin diseases; the training of basic and clinical scientists to carry out this research; and the dissemination of information on research progress in these diseases. NIAMS also conducts and supports basic research on the normal structure and function of bones, joints, muscles, and skin. Basic research involves a wide variety of scientific disciplines, including immunology, genetics, molecular biology, structural biology, biochemistry, physiology, virology, and pharmacology. Clinical research areas include rheumatology, orthopaedics, dermatology, metabolic bone diseases, heritable disorders of bone and cartilage, inherited and inflammatory muscle diseases, and sports and rehabilitation medicine.

National Center for Complementary and Integrative Health ([NCCIH](#))

The mission of NCCIH is to determine, through rigorous scientific investigation, the usefulness and safety of complementary health approaches, and their roles in improving health and healthcare. [NCCIH's strategic plan](#) includes three scientific objectives: 1)

Advance fundamental science and methods development; 2) Improve care for hard-to-manage symptoms; and 3) Foster health promotion and disease prevention. NCCIH also has cross-cutting objectives to enhance the complementary and integrative health research workforce, and to disseminate objective evidence-based information on complementary and integrative health interventions. In pursuit of these objectives, NCCIH supports research on mind and body interventions, practices, and disciplines; research on natural products; and studies of “real world” patterns and outcomes of use of complementary therapies. Studies may range from basic, through translational, epidemiological, health services, and other human subjects research, but may not propose a clinical trial. Investigators are strongly encouraged to discuss their concepts with NCCIH program staff prior to applying.

Eunice Kennedy Shriver National Institute of Child Health and Human Development ([NICHD](#))

The NICHD supports biological, behavioral, and clinical research related to conception and pregnancy, normal and abnormal development in childhood, reproductive health, population dynamics across the lifespan, and rehabilitation medicine.

<https://www.nichd.nih.gov/grants-funding/opportunities-mechanisms/areas-research/Pages/default.aspx>.

Research projects considered by funding by NICHD must fall within the scientific missions of the twelve Scientific Branches of the NICHD Division of Extramural Research (DER) or the National Center for Medical Rehabilitation Research (NCMRR). Information about those scientific missions and program staff contacts may be found on the web pages for the DER scientific branches

at: <http://www.nichd.nih.gov/about/org/der/branches/Pages/index.aspx> and the NCMRR at: <http://www.nichd.nih.gov/about/org/ncmrr/Pages/overview.aspx>. Potential applicants are strongly encouraged to read these webpages for any updates in response to recent scientific advances or emerging public health topics.

NICHD encourages applications that address its extramural program priorities and will consider how well research projects align with one or more of those priorities when making award decisions. A detailed list of NICHD high priority research areas may be found at <https://www.nichd.nih.gov/grants-funding/opportunities-mechanisms/areas-research/Pages/priorities.aspx>

National Institute of Dental and Craniofacial Research ([NIDCR](#))

NIDCR supports research concerning the etiology, epidemiology, prevention, diagnosis, and treatment of dental, oral and craniofacial disorders and diseases. In this context, the NIDCR emphasizes research on caries and periodontal diseases; oral infections (viral, fungal, and bacterial) host-responses to oral infections, (e.g., innate and adaptive immune responses), biofilms and microbial ecology, genomics and proteomics; oral aspects of AIDS/HIV infection; head and neck cancers; craniofacial development, physiology and malformations; orofacial pain and other oral sensory and motor dysfunctions; salivary

glands and disorders such as Sjögren's Syndrome; temporomandibular joint disorders; and restoration and regeneration of dental, oral and craniofacial structures.

National Institute of Environmental Health Sciences ([NIEHS](#))

NIEHS will accept applications describing research projects that will have a defined impact on the environmental health sciences and be responsive to both the mission of the NIH and, specifically, to the mission of the NIEHS and the NIEHS 2018-2023 [Strategic Plan](#). This plan outlines themes and goals that reflect both the mission of the NIEHS, which is to promote healthier lives by discovering how the environment affects people, and the vision of NIEHS to provide global leadership for innovative research that improves public health by preventing disease and disability.

A variety of scientific disciplines, including basic, mechanistic, clinical, epidemiological, computational, engineering, and/or health risk communication approaches, can be used to advance the NIEHS Strategic Plan. Applicants should consult the strategic plan to ensure the research proposed addresses the goals and priority areas of the NIEHS. Applications submitted to this FOA must have a research focus on exposure-health related responses from environmental agents within the mission interest of the NIEHS (e.g., industrial chemicals or manufacturing byproducts, metals, pesticides, herbicides, air pollutants and other inhaled toxicants, particulates or fibers, fungal, and bacterial or biologically derived toxins). Agents that are considered within the primary mission responsibility of other NIH Institutes and Centers include, but are not limited to: alcohol; chemotherapeutic agents; radiation that is not a result of an ambient environmental exposure; smoking, except when considered as a secondary smoke exposure that is a component in the indoor environment (particularly in children); drugs of abuse; pharmaceuticals; dietary nutrients; and infectious or parasitic agents. Applications that focus entirely, or primarily, on these exposure factors will be not be considered for support by NIEHS.

National Institute for Mental Health ([NIMH](#))

The mission of the National Institute of Mental Health (NIMH) is to transform the understanding and treatment of mental illnesses through basic and clinical research, paving the way for prevention, recovery, and cure. Applications considered for funding by the NIMH must fall within the areas of priority detailed in the [NIMH Strategic Plan](#) and the [NIMH Strategic Research Priorities](#). Applicants are strongly encouraged to contact the person listed under Agency Contacts (Section VII) prior to submission.

The National Institute of Neurological Disorders and Stroke ([NINDS](#))

NINDS seeks fundamental knowledge about the brain and nervous system and to use that knowledge to reduce the burden of neurological disease. NINDS supports basic, translational and clinical research within specifically defined areas of neuroscience. Research projects considered for funding by NINDS must fall within the scientific research mission of the Institute. Applicants are strongly encouraged to contact the person listed under Agency Contacts (Section VII) NINDS with questions about the

relevance of the proposed research to the NINDS mission and for preapplication guidance.

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

The mission of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) is to improve human health by supporting the development of cutting-edge technologies and computational methods in Biomedical imaging and Bioengineering. NIBIB-funded innovations have broad impact and fundamentally change our ability to prevent, diagnose, and treat human disease. Under this FOA, NIBIB will fund research projects that can be generalized to multiple conditions and physiological contexts and that fall under one or more of its Scientific Program Areas.

National Institute of Allergy and Infectious Diseases (NIAID)

NIAID supports basic and applied research to better understand, treat, and prevent infectious, immunologic, and allergic diseases, with the goal of developing new therapies, vaccines, diagnostic tests, and other technologies. Research areas include microbiology and infectious diseases, AIDS and AIDS -related research, immunology, allergy, transplantation, and biodefense.

Pre-consultation

Participating NIH Institutes and Centers are listed on the first page of this announcement ("Components of Participating Organizations"). For additional scientific program information and for pre-application guidance, applicants are encouraged to contact the person listed for the participating NIH IC(s) with research interests relevant to the applicant's proposed topic. Consultation with relevant NIH staff prior to the application due date is strongly encouraged for new and resubmission applications. See Section VII for contact information.

See [Section VIII. Other Information](#) for award authorities and regulations.

Section II. Award Information

Funding Instrument

Grant: A support mechanism providing money, property, or both to an eligible entity to carry out an approved project or activity.

Application Types Allowed

New

Renewal (applications that meet the eligibility criteria in this FOA may be submitted for awards funded through other R15 FOAs)

Resubmission (applications that meet the eligibility criteria in this FOA may be resubmitted for applications originally submitted through other R15 FOAs)

Revision

The [OER Glossary](#) and the SF424 (R&R) Application Guide provide details on these application types.

Clinical Trial?

Not Allowed: Only accepting applications that do not propose clinical trial)

[Need help determining whether you are doing a clinical trial?](#)

Funds Available and Anticipated Number of Awards

The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications.

Award Budget

Applicants may request up to \$300,000 in direct costs for the entire project period of up to 3 years.

Award Project Period

The scope of the proposed project should determine the project period. The maximum project period is 3 years.

NIH grants policies as described in the [NIH Grants Policy Statement](#) will apply to the applications submitted and awards made from this FOA.

Section III. Eligibility Information

1. Eligible Applicants

Eligible Organizations

Higher Education Institutions

- Public/State Controlled Institutions of Higher Education
- Private Institutions of Higher Education

The following types of Higher Education Institutions are always encouraged to apply for NIH support as Public or Private Institutions of Higher Education:

- Hispanic-serving Institutions
- Historically Black Colleges and Universities (HBCUs)
- Tribally Controlled Colleges and Universities (TCCUs)

- o Alaska Native and Native Hawaiian Serving Institutions
- o Asian American Native American Pacific Islander Serving Institutions (AANAPISIs)

In addition, all organizations must meet the following two criteria at the time of submission:

- o The applicant organization must be an accredited public or non-profit private school that grants baccalaureate or advanced degrees in health professions (see section below for more details) or advanced degrees in biomedical and behavioral sciences.
- o The applicant institution may not have received research support from the NIH totaling more than \$6 million per year (in both direct and F&A/indirect costs) in 4 of the last 7 years (see Section I. Funding Opportunity Description for definition of "institution"). A year is defined as a federal fiscal year: from October 1 through September 30. Note that all activity codes are included in this calculation except the following: C06, S10, and all activity codes starting with a G.
- o For this FOA: Only eligible Health Professional Schools (see definition below) or Graduate Schools may apply
- o For this FOA: Non-health professional or non-graduate academic institutions are not eligible to apply
- o For this FOA: A Provost letter will certify that the applicant institution satisfies the eligibility requirements

Definition of Health Professional Schools or Colleges

For the purposes of this FOA, health professional schools and colleges are accredited institutions that provide education and training leading to a health professional degree, including but not limited to: BSN, MSN, DNP, MD, DDS, DO, PharmD, DVM, OD, DPT, DC, ND, DPM, MOT, OTD, DPT, BME, MSEE, MS-SLP, CScD, SLPD, AuD, MSPO, MSAT, and MPH. Eligible health professional schools/colleges may include schools or colleges of nursing, medicine, dentistry, osteopathy, pharmacy, veterinary medicine, public health, optometry, allied health, chiropractic, naturopathy, podiatry, rehabilitation medicine, physical therapy, orthotics & prosthetics, kinesiology, biomedical engineering, occupational therapy and psychology. Accreditation must be provided by a body approved for such purpose by the Secretary of Education.

For the purposes of this FOA, a graduate school offers advanced degrees, beyond the undergraduate level, in an academic discipline. Advance degrees include M.A., M.S., and Ph.D.

A signed letter is required from the Provost or similar official with institution-wide responsibility verifying the eligibility of the applicant institution at the time of application submission according to the eligibility criteria indicated above. See the application instructions for the Letters of Support attachment on the [PHS 398 Research Plan](#) form in Section IV.2 Instructions for Application Submission.

To assist in determining eligibility, organizations are encouraged to use the NIH RePORT website under [NIH Awards by Location & Organization](http://projectreporter.nih.gov/location/) (<http://projectreporter.nih.gov/reporter.cfm>).

For this FOA: The AREA Ineligibility List does not apply. The Provost letter will certify that the applicant institution satisfies the requirements outlined above.

Additional Eligibility Guidance

A REAP grant is permitted to have a subcontract to a non-REAP-eligible institution. However, applicants should keep the goals of the REAP program in mind when preparing the application, which include strengthening the research environment of eligible institutions and exposing students from eligible institutions to research. It is expected that the majority of the research will be directed by the PD(s)/PI(s) at the grantee institution.

Although foreign institutions are not eligible, applications may include a foreign collaboration, component, or consortium.

Undergraduate-focused institutions with undergraduate enrollment greater than graduate enrollment should apply to PAR-18-714, Academic Research Enhancement Award for Undergraduate-Focused Institutions (R15-Clinical Trial Not Allowed) or to [PAR-19-133](#), Academic Research Enhancement Award for Undergraduate-Focused Institutions (R15-Clinical Trial Required).

Foreign Institutions

Non-domestic (non-U.S.) Entities (Foreign Institutions) **are not** eligible to apply. Non-domestic (non-U.S.) components of U.S. Organizations **are not** eligible to apply. Foreign components, as [defined in the NIH Grants Policy Statement](#), **are** allowed.

Required Registrations

Applicant Organizations

Applicant organizations must complete and maintain the following registrations as described in the SF 424 (R&R) Application Guide to be eligible to apply for or receive an award. All registrations must be completed prior to the application being submitted. Registration can take 6 weeks or more, so applicants should begin the registration process as soon as possible. The [NIH Policy on Late Submission of Grant Applications](#) states that failure to complete registrations in advance of a due date is not a valid reason for a late submission.

- [Dun and Bradstreet Universal Numbering System \(DUNS\)](#) - All registrations require that applicants be issued a DUNS number. After obtaining a DUNS number, applicants can begin both SAM and eRA Commons registrations. The

same DUNS number must be used for all registrations, as well as on the grant application.

- [System for Award Management \(SAM\)](#)– Applicants must complete and maintain an active registration, **which requires renewal at least annually**. The renewal process may require as much time as the initial registration. SAM registration includes the assignment of a Commercial and Government Entity (CAGE) Code for domestic organizations which have not already been assigned a CAGE Code.
- [NATO Commercial and Government Entity \(NCAGE\) Code](#) – Foreign organizations must obtain an NCAGE code (in lieu of a CAGE code) in order to register in SAM.
- [eRA Commons](#) - Applicants must have an active DUNS number and SAM registration in order to complete the eRA Commons registration. Organizations can register with the eRA Commons as they are working through their SAM or Grants.gov registration. eRA Commons requires organizations to identify at least one Signing Official (SO) and at least one Program Director/Principal Investigator (PD/PI) account in order to submit an application.
- [Grants.gov](#) – Applicants must have an active DUNS number and SAM registration in order to complete the Grants.gov registration.

Program Directors/Principal Investigators (PD(s)/PI(s))

All PD(s)/PI(s) must have an eRA Commons account. PD(s)/PI(s) should work with their organizational officials to either create a new account or to affiliate their existing account with the applicant organization in eRA Commons. If the PD/PI is also the organizational Signing Official, they must have two distinct eRA Commons accounts, one for each role. Obtaining an eRA Commons account can take up to 2 weeks.

Eligible Individuals (Program Director/Principal Investigator)

Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research as the Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) is invited to work with his/her organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support.

For institutions/organizations proposing multiple PDs/PIs, visit the Multiple Program Director/Principal Investigator Policy and submission details in the Senior/Key Person Profile (Expanded) Component of the SF424 (R&R) Application Guide.

To be eligible for a grant to this FOA, the PD(s)/PI(s) must meet the following additional criteria:

- The PD(s)/PI(s) must have a primary appointment at an eligible institution.
- The PD(s)/PI(s) may not be the PD(s)/PI(s) of an active NIH research grant at the time of award of a grant to this FOA, although he or she may be one of the Key Personnel for an active NIH grant held by another PD/PI.

- The PD(s)/PI(s) may not be awarded more than one R15 grant at a time, although he or she may hold successive new or renewal grants.

Note: These eligibility criteria only apply to the PD(s)/PI(s) of the application, not to other Key Personnel such as collaborators and consultants.

2. Cost Sharing

This FOA does not require cost sharing as defined in the [NIH Grants Policy Statement](#).

3. Additional Information on Eligibility

Number of Applications

Applicant organizations may submit more than one application, provided that each application is scientifically distinct.

The NIH will not accept duplicate or highly overlapping applications under review at the same time. This means that the NIH will not accept:

- A new (A0) application that is submitted before issuance of the summary statement from the review of an overlapping new (A0) or resubmission (A1) application.
- A resubmission (A1) application that is submitted before issuance of the summary statement from the review of the previous new (A0) application.
- An application that has substantial overlap with another application pending appeal of initial peer review (see [NOT-OD-11-101](#)).

Section IV. Application and Submission Information

1. Requesting an Application Package

The application forms package specific to this opportunity must be accessed through ASSIST, Grants.gov Workspace or an institutional system-to-system solution. Links to apply using ASSIST or Grants.gov Workspace are available in [Part 1](#) of this FOA. See your administrative office for instructions if you plan to use an institutional system-to-system solution.

2. Content and Form of Application Submission

It is critical that applicants follow the Research (R) Instructions in the [SF424 \(R&R\) Application Guide](#), except where instructed in this funding opportunity announcement to do otherwise. Conformance to the requirements in the Application Guide is required and strictly enforced. Applications that are out of compliance with these instructions may be delayed or not accepted for review.

For information on Application Submission and Receipt, visit [Frequently Asked Questions – Application Guide, Electronic Submission of Grant Applications](#).

Page Limitations

All page limitations described in the SF424 Application Guide and the [Table of Page Limits](#) must be followed.

Instructions for Application Submission

The following section supplements the instructions found in the SF424 (R&R) Application Guide and should be used for preparing an application to this FOA.

SF424(R&R) Cover

All instructions in the SF424 (R&R) Application Guide must be followed.

SF424(R&R) Project/Performance Site Locations

All instructions in the SF424 (R&R) Application Guide must be followed.

SF424(R&R) Other Project Information

All instructions in the SF424 (R&R) Application Guide must be followed.

Facilities & Other Resources: The following information must be included.

- A profile of the students at the applicant institution and any information or estimate of the number who have obtained an undergraduate or advanced degree in a health professional or graduate discipline and gone on to obtain an academic/professional position in the health-related sciences during the last five years.
- A description of the special characteristics of the institution/academic component that make it appropriate for a REAP grant, where the goals of the REAP are to: (1) provide support for meritorious research; (2) strengthen the research environment of schools that have not been major recipients of NIH support; and (3) expose available health professional, undergraduate, and/or graduate students in such environments to research.
- Description of the likely impact of a REAP grant on the PD(s)/PI(s).
- Description of the likely impact of a REAP grant on the research environment of the institution/academic component.
- Description of the likely impact of the REAP grant on the ability of undergraduate and/or graduate students at the institution to gain experience conducting biomedical and behavioral research.
- Although it is expected that the majority of the research will be directed by the PD(s)/PI(s) and conducted at the grantee institution, limited use of special facilities or equipment at another institution is permitted. For any proposed research sites other than the applicant institution, provide a brief description of the resources and access students will need and have to these resources.

- If relevant, a statement of institutional support for the proposed research project (e.g., equipment, supplies, laboratory space, release time, matching funds, etc.).

SF424(R&R) Senior/Key Person Profile

All instructions in the SF424 (R&R) Application Guide must be followed.

Biographical Sketch: The PD(s)/PI(s) should include a summary of his or her previous and/or current experience supervising undergraduate and/or graduate students in research in the Personal Statement. The PD(s)/PI(s) should indicate which peer-reviewed publications or other research products involved undergraduate and/or graduate students under his or her supervision.

R&R or Modular Budget

All instructions in the SF424 (R&R) Application Guide must be followed, with the following additional instructions:

- The total budget for all years of the proposed project must be requested in Budget Period 1. Do not complete Budget Periods 2 or 3. They are not required and will not be accepted with the application.
- Applicants submitting an application with direct costs of \$250,000 or less (total for all years, excluding consortium Facilities and Administrative [F&A] costs) must use the Modular Budget.
- Applicants submitting an application with direct costs of \$250,001 - \$300,000 (total for all years, excluding consortium Facilities and Administrative [F&A] costs) must use the R&R Budget.

Modular Budget (direct costs of \$250,000 or less):

All instructions in the SF424 (R&R) Application Guide must be followed, with the following additional instructions:

Budget Period 1: Direct Costs

Direct Costs less Consortium F&A: Select the appropriate dollar amount from the drop-down list. This number must not exceed \$250,000.

Budget Justification:

Personnel Justification: Since a primary objective of the REAP is to expose students to meritorious research, PD(s)/PI(s) must include undergraduate and/or graduate students from the applicant institution/applicant component in the proposed research. Indicate aspects of the proposed research in which students will participate. If participating students have not yet been individually identified, the number and academic level of those to be involved should be provided. If there are any Collaborators or Consultants for

the project, provide their names, organizational affiliations, and the services they will perform.

R&R Budget (direct costs of \$250,001 to \$300,000):

All instructions in the SF424 (R&R) Application Guide must be followed, with the following additional instructions:

Budget Period 1: Direct Costs

Total Direct Costs less Consortium F&A: This number must not exceed \$300,000.

Budget Justification:

Personnel Justification: Since a primary objective of the REAP is to expose students to meritorious research, PD(s)/PI(s) must include undergraduate and/or graduate students from the applicant institution/applicant component in the proposed research. Indicate aspects of the proposed research in which students will participate. If participating students have not yet been individually identified, the number and academic level of those to be involved should be provided. If there are any Collaborators or Consultants for the project, provide their names, organizational affiliations, and the services they will perform.

Justification for phases – PD(s)/PI(s) must include a justification for the allocation of resources during the three proposed phases of the project. See "Research Strategy" below.

R&R Subaward Budget

All instructions in the SF424 (R&R) Application Guide must be followed.

PHS 398 Cover Page Supplement

All instructions in the SF424 (R&R) Application Guide must be followed.

PHS 398 Research Plan

All instructions in the SF424 (R&R) Application Guide must be followed, with the following additional instructions:

Research Strategy: Describe how undergraduate and/or graduate students will be exposed to and supervised conducting hands-on research. Describe how students will participate in research activities such as planning, execution and/or analysis of research. Formal training plans (e.g., non-research activities, didactic training, seminars) should not be provided, although a brief description of activities related to enhancing the research capabilities and progress (e.g., the use of individual development plans, etc.) of students is permitted.

A sound rationale should be offered as to why the approach and the research team, including undergraduate and/or graduate students, are appropriate to accomplish the specific aims and to make an important scientific contribution.

Progress Report Publication List: For renewals, when listing publications, manuscripts accepted for publication, patents, and other printed materials that have resulted from the project, note which of these products have included the work of students conducting research supported by the grant.

Letters of Support: The Letters of Support attachment must include a signed letter from the Provost or similar official with institution-wide responsibility certifying that the institution has not received support from the NIH totaling more than \$6 million per year (in both direct and F&A/indirect costs) in 4 of the last 7 years, as described in Section III, "Eligible Organization". Finally, the letter must validate that the PD(s)/PI(s) has a primary appointment at the qualifying institution. Applications that do not contain this signed letter will be withdrawn without review.

Resource Sharing Plan: Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the SF424 (R&R) Application Guide

Appendix:

Only limited Appendix materials are allowed. Follow all instructions for the Appendix as described in the SF424 (R&R) Application Guide.

PHS Human Subjects and Clinical Trials Information

When involving NIH-defined human subjects research, clinical research, and/or clinical trials (and when applicable, clinical trials research experience) follow all instructions for the PHS Human Subjects and Clinical Trials Information form in the SF424 (R&R) Application Guide, with the following additional instructions:

If you answered "Yes" to the question "Are Human Subjects Involved?" on the R&R Other Project Information form, you must include at least one human subjects study record using the **Study Record: PHS Human Subjects and Clinical Trials Information** form or **Delayed Onset Study** record.

Study Record: PHS Human Subjects and Clinical Trials Information

All instructions in the SF424 (R&R) Application Guide must be followed

Delayed Onset Study

Note: [Delayed onset](#) does NOT apply to a study that can be described but will not start immediately (i.e., delayed start).

All instructions in the SF424 (R&R) Application Guide must be followed.

PHS Assignment Request Form

All instructions in the SF424 (R&R) Application Guide must be followed.

3. Unique Entity Identifier and System for Award Management (SAM)

See Part 1. Section III.1 for information regarding the requirement for obtaining a unique entity identifier and for completing and maintaining active registrations in System for Award Management (SAM), NATO Commercial and Government Entity (NCAGE) Code (if applicable), eRA Commons, and Grants.gov

4. Submission Dates and Times

[Part I. Overview Information](#) contains information about Key Dates and times. Applicants are encouraged to submit applications before the due date to ensure they have time to make any application corrections that might be necessary for successful submission. When a submission date falls on a weekend or [Federal holiday](#), the application deadline is automatically extended to the next business day.

Organizations must submit applications to [Grants.gov](#) (the online portal to find and apply for grants across all Federal agencies). Applicants must then complete the submission process by tracking the status of the application in the [eRA Commons](#), NIH's electronic system for grants administration. NIH and Grants.gov systems check the application against many of the application instructions upon submission. Errors must be corrected and a changed/corrected application must be submitted to Grants.gov on or before the application due date and time. If a Changed/Corrected application is submitted after the deadline, the application will be considered late. Applications that miss the due date and time are subjected to the NIH Policy on Late Application Submission.

Applicants are responsible for viewing their application before the due date in the eRA Commons to ensure accurate and successful submission.

Information on the submission process and a definition of on-time submission are provided in the SF424 (R&R) Application Guide.

5. Intergovernmental Review (E.O. 12372)

This initiative is not subject to [intergovernmental review](#).

6. Funding Restrictions

All NIH awards are subject to the terms and conditions, cost principles, and other considerations described in the [NIH Grants Policy Statement](#).

Pre-award costs are allowable only as described in the [NIH Grants Policy Statement](#).

7. Other Submission Requirements and Information

Applications must be submitted electronically following the instructions described in the SF424 (R&R) Application Guide. Paper applications will not be accepted.

Applicants must complete all required registrations before the application due date. [Section III. Eligibility Information](#) contains information about registration.

For assistance with your electronic application or for more information on the electronic submission process, visit [How to Apply – Application Guide](#). If you encounter a system issue beyond your control that threatens your ability to complete the submission process on-time, you must follow the [Dealing with System Issues](#) guidance. For assistance with application submission, contact the Application Submission Contacts in [Section VII](#).

Important reminders:

All PD(s)/PI(s) must include their eRA Commons ID in the Credential field of the Senior/Key Person Profile Component of the SF424(R&R) Application Package. Failure to register in the Commons and to include a valid PD/PI Commons ID in the credential field will prevent the successful submission of an electronic application to NIH. See [Section III](#) of this FOA for information on registration requirements.

The applicant organization must ensure that the DUNS number it provides on the application is the same number used in the organization's profile in the eRA Commons and for the System for Award Management. Additional information may be found in the SF424 (R&R) Application Guide.

See [more tips](#) for avoiding common errors.

Upon receipt, applications will be evaluated for completeness and compliance with application instructions by the Center for Scientific Review, NIH. Applications that are incomplete or non-compliant will not be reviewed.

Post Submission Materials

Applicants are required to follow the instructions for post-submission materials, as described in [the policy](#). Any instructions provided here are in addition to the instructions in the policy.

Section V. Application Review Information

1. Criteria

Only the review criteria described below will be considered in the review process. Applications submitted in support of the [NIH mission](#) are evaluated for scientific and technical merit through the NIH peer review system.

For this particular announcement, note the following: The objectives of the R15 program are to (1) provide support for meritorious research, (2) strengthen the research environment of schools that have not been major recipients of NIH support, and (3) expose available health professional, undergraduate, and graduate students in such environments to meritorious research. Preliminary data are not required for an R15 application; however, they may be included if available.

Overall Impact

Reviewers will provide an overall impact score to reflect their assessment of the likelihood for the project to make an important scientific contribution to the research field(s) involved, to provide research opportunities to students, and to strengthen the research environment of the institution, in consideration of the following review criteria and additional review criteria (as applicable for the project proposed).

Scored Review Criteria

Reviewers will consider each of the review criteria below in the determination of scientific merit, and give a separate score for each. An application does not need to be strong in all categories to be judged likely to have major scientific impact. For example, a solid and interesting scientific research project that is not by its nature innovative or paradigm-shifting and includes a good plan to engage undergraduates and/or graduate students in primary research may be considered a strong REAP application

Significance

Does the project address an important problem or a critical barrier to progress in the field? Is the prior research that serves as the key support for the proposed project rigorous? If the aims of the project are achieved, how will scientific knowledge, technical capability, and/or clinical practice be improved? How will successful completion of the aims change the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field? If funded, will the award have a substantial effect on the school/academic component in terms of strengthening the research environment and exposing students to research?

Investigator(s)

Are the PD(s)/PI(s), collaborators, and other researchers well suited to the project? If Early Stage Investigators or those in the early stages of independent careers, do they have appropriate experience and training? If established, have they demonstrated an ongoing record of accomplishments that have advanced their field(s)? If the project is collaborative or multi-PD/PI, do the investigators have complementary and integrated

expertise; are their leadership approach, governance and organizational structure appropriate for the project? Do the PD(s)/PI(s) have suitable experience in supervising students in research?

Innovation

Does the application challenge and seek to shift current research or clinical practice paradigms by utilizing novel theoretical concepts, approaches or methodologies, instrumentation, or interventions? Are the concepts, approaches or methodologies, instrumentation, or interventions novel to one field of research or novel in a broad sense? Is a refinement, improvement, or new application of theoretical concepts, approaches or methodologies, instrumentation, or interventions proposed?

Approach

Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project? Have the investigators included plans to address weaknesses in the rigor of prior research that serves as the key support for the proposed project? Have the investigators presented strategies to ensure a robust and unbiased approach, as appropriate for the work proposed? Are potential problems, alternative strategies, and benchmarks for success presented? If the project is in the early stages of development, will the strategy establish feasibility and will particularly risky aspects be managed? Have the investigators presented adequate plans to address relevant biological variables, such as sex, for studies in vertebrate animals or human subjects? Does the application provide sufficient evidence that the project can stimulate the interests of students so that they consider a career in the biomedical or behavioral sciences?

If the project involves human subjects and/or NIH-defined clinical research, are the plans to address 1) the protection of human subjects from research risks, and 2) inclusion (or exclusion) of individuals on the basis of sex/gender, race, and ethnicity, as well as the inclusion or exclusion of individuals of all ages (including children and older adults), justified in terms of the scientific goals and research strategy proposed?

Environment

Are the institutional support, equipment and other physical resources available to the investigators adequate for the project proposed? Does the application demonstrate the likely availability of well-qualified students to participate in the research project? Does the application provide sufficient evidence that students have in the past or are likely to pursue careers in the biomedical or behavioral sciences?

Additional Review Criteria

As applicable for the project proposed, reviewers will evaluate the following additional items while determining scientific and technical merit, and in providing an overall impact score, but will not give separate scores for these items.

Protections for Human Subjects

For research that involves human subjects but does not involve one of the categories of research that are exempt under 45 CFR Part 46, the committee will evaluate the justification for involvement of human subjects and the proposed protections from research risk relating to their participation according to the following five review criteria: 1) risk to subjects, 2) adequacy of protection against risks, 3) potential benefits to the subjects and others, 4) importance of the knowledge to be gained, and 5) data and safety monitoring for clinical trials.

For research that involves human subjects and meets the criteria for one or more of the categories of research that are exempt under 45 CFR Part 46, the committee will evaluate: 1) the justification for the exemption, 2) human subjects involvement and characteristics, and 3) sources of materials. For additional information on review of the Human Subjects section, please refer to the [Guidelines for the Review of Human Subjects](#).

Inclusion of Women, Minorities, and Individuals Across the Lifespan

When the proposed project involves human subjects and/or NIH-defined clinical research, the committee will evaluate the proposed plans for the inclusion (or exclusion) of individuals on the basis of sex/gender, race, and ethnicity, as well as the inclusion (or exclusion) of individuals of all ages (including children and older adults) to determine if it is justified in terms of the scientific goals and research strategy proposed. For additional information on review of the Inclusion section, please refer to the [Guidelines for the Review of Inclusion in Clinical Research](#).

Vertebrate Animals

The committee will evaluate the involvement of live vertebrate animals as part of the scientific assessment according to the following criteria: (1) description of proposed procedures involving animals, including species, strains, ages, sex, and total number to be used; (2) justifications for the use of animals versus alternative models and for the appropriateness of the species proposed; (3) interventions to minimize discomfort, distress, pain and injury; and (4) justification for euthanasia method if NOT consistent with the AVMA Guidelines for the Euthanasia of Animals. Reviewers will assess the use of chimpanzees as they would any other application proposing the use of vertebrate animals. For additional information on review of the Vertebrate Animals section, please refer to the [Worksheet for Review of the Vertebrate Animal Section](#).

Biohazards

Reviewers will assess whether materials or procedures proposed are potentially hazardous to research personnel and/or the environment, and if needed, determine whether adequate protection is proposed.

Resubmissions

For Resubmissions, the committee will evaluate the application as now presented, taking into consideration the responses to comments from the previous scientific review group and changes made to the project.

Renewals

For Renewals, the committee will consider the progress made in the last funding period.

Revisions

For Revisions, the committee will consider the appropriateness of the proposed expansion of the scope of the project. If the Revision application relates to a specific line of investigation presented in the original application that was not recommended for approval by the committee, then the committee will consider whether the responses to comments from the previous scientific review group are adequate and whether substantial changes are clearly evident.

Additional Review Considerations

As applicable for the project proposed, reviewers will consider each of the following items, but will not give scores for these items, and should not consider them in providing an overall impact score.

Applications from Foreign Organizations

Not applicable.

Select Agent Research

Reviewers will assess the information provided in this section of the application, including 1) the Select Agent(s) to be used in the proposed research, 2) the registration status of all entities where Select Agent(s) will be used, 3) the procedures that will be used to monitor possession use and transfer of Select Agent(s), and 4) plans for appropriate biosafety, biocontainment, and security of the Select Agent(s).

Resource Sharing Plans

Reviewers will comment on whether the following Resource Sharing Plans, or the rationale for not sharing the following types of resources, are reasonable: (1) [Data Sharing Plan](#); (2) [Sharing Model Organisms](#); and (3) [Genomic Data Sharing Plan \(GDS\)](#).

Authentication of Key Biological and/or Chemical Resources:

For projects involving key biological and/or chemical resources, reviewers will comment on the brief plans proposed for identifying and ensuring the validity of those resources.

Budget and Period of Support

Reviewers will consider whether the budget and the requested period of support are fully justified and reasonable in relation to the proposed research.

2. Review and Selection Process

Applications will be evaluated for scientific and technical merit by (an) appropriate Scientific Review Group(s) convened by the Center for Scientific Review, in accordance with [NIH peer review policy and procedures](#), using the stated [review criteria](#). Assignment to a Scientific Review Group will be shown in the eRA Commons.

As part of the scientific peer review, all applications:

- May undergo a selection process in which only those applications deemed to have the highest scientific and technical merit (generally the top half of applications under review) will be discussed and assigned an overall impact score.
- Will receive a written critique.

Applications will be assigned on the basis of established PHS referral guidelines to the appropriate NIH Institute or Center. Applications will compete for available funds with all other recommended applications. Following initial peer review, recommended applications will receive a second level of review by the appropriate national Advisory Council or Board. The following will be considered in making funding decisions:

- Scientific and technical merit of the proposed project as determined by scientific peer review.
- Availability of funds.
- Relevance of the proposed project to program priorities.

3. Anticipated Announcement and Award Dates

After the peer review of the application is completed, the PD/PI will be able to access his or her Summary Statement (written critique) via the [eRA Commons](#). Refer to Part 1 for dates for peer review, advisory council review, and earliest start date.

Information regarding the disposition of applications is available in the [NIH Grants Policy Statement](#).

Section VI. Award Administration Information

1. Award Notices

If the application is under consideration for funding, NIH will request "just-in-time" information from the applicant as described in the [NIH Grants Policy Statement](#).

A formal notification in the form of a Notice of Award (NoA) will be provided to the applicant organization for successful applications. The NoA signed by the grants management officer is the authorizing document and will be sent via email to the grantee's business official.

Awardees must comply with any funding restrictions described in [Section IV.5. Funding Restrictions](#). Selection of an application for award is not an authorization to begin performance. Any costs incurred before receipt of the NoA are at the recipient's risk. These costs may be reimbursed only to the extent considered allowable pre-award costs.

Any application awarded in response to this FOA will be subject to terms and conditions found on the [Award Conditions and Information for NIH Grants](#) website. This includes any recent legislation and policy applicable to awards that is highlighted on this website.

2. Administrative and National Policy Requirements

All NIH grant and cooperative agreement awards include the [NIH Grants Policy Statement](#) as part of the NoA. For these terms of award, see the [NIH Grants Policy Statement Part II: Terms and Conditions of NIH Grant Awards, Subpart A: General](#) and [Part II: Terms and Conditions of NIH Grant Awards, Subpart B: Terms and Conditions for Specific Types of Grants, Grantees, and Activities](#). More information is provided at [Award Conditions and Information for NIH Grants](#).

Recipients of federal financial assistance (FFA) from HHS must administer their programs in compliance with federal civil rights law. This means that recipients of HHS funds must ensure equal access to their programs without regard to a person's race, color, national origin, disability, age and, in some circumstances, sex and religion. This includes ensuring your programs are accessible to persons with limited English proficiency. HHS recognizes that research projects are often limited in scope for many reasons that are nondiscriminatory, such as the principal investigator's scientific interest, funding limitations, recruitment requirements, and other considerations. Thus, criteria in research protocols that target or exclude certain populations are warranted where nondiscriminatory justifications establish that such criteria are appropriate with respect to the health or safety of the subjects, the scientific study design, or the purpose of the research.

For additional guidance regarding how the provisions apply to NIH grant programs, please contact the Scientific/Research Contact that is identified in Section VII under Agency Contacts of this FOA. HHS provides general guidance to recipients of FFA on meeting their legal obligation to take reasonable steps to provide meaningful access to their programs by persons with limited English proficiency. Please see <https://www.hhs.gov/civil-rights/for-individuals/special-topics/limited-english-proficiency/index.html>. The HHS Office for Civil Rights also provides guidance on

complying with civil rights laws enforced by HHS. Please see <https://www.hhs.gov/civil-rights/for-individuals/section-1557/index.html>; and <https://www.hhs.gov/civil-rights/for-providers/laws-regulations-guidance/index.html>. Recipients of FFA also have specific legal obligations for serving qualified individuals with disabilities. Please see <https://www.hhs.gov/civil-rights/for-individuals/disability/index.html>. Please contact the HHS Office for Civil Rights for more information about obligations and prohibitions under federal civil rights laws at <https://www.hhs.gov/ocr/about-us/contact-us/index.html> or call 1-800-368-1019 or TDD 1-800-537-7697. Also note it is an HHS Departmental goal to ensure access to quality, culturally competent care, including long-term services and supports, for vulnerable populations. For further guidance on providing culturally and linguistically appropriate services, recipients should review the National Standards for Culturally and Linguistically Appropriate Services in Health and Health Care at <http://minorityhealth.hhs.gov/omh/browse.aspx?lvl=2&lvlid=53>.

In accordance with the statutory provisions contained in Section 872 of the Duncan Hunter National Defense Authorization Act of Fiscal Year 2009 (Public Law 110-417), NIH awards will be subject to the Federal Awardee Performance and Integrity Information System (FAPIIS) requirements. FAPIIS requires Federal award making officials to review and consider information about an applicant in the designated integrity and performance system (currently FAPIIS) prior to making an award. An applicant, at its option, may review information in the designated integrity and performance systems accessible through FAPIIS and comment on any information about itself that a Federal agency previously entered and is currently in FAPIIS. The Federal awarding agency will consider any comments by the applicant, in addition to other information in FAPIIS, in making a judgement about the applicant's integrity, business ethics, and record of performance under Federal awards when completing the review of risk posed by applicants as described in 45 CFR Part 75.205 "Federal awarding agency review of risk posed by applicants." This provision will apply to all NIH grants and cooperative agreements except fellowships.

Cooperative Agreement Terms and Conditions of Award

Not Applicable

3. Reporting

Progress reports for multi-year funded awards are due annually on or before the anniversary of the budget/project period start date of award. The reporting period for multi-year funded award progress report is the calendar year preceding the anniversary date of the award. Information on the content of the progress report and instructions on how to submit the report using the RPPR are posted at <http://grants.nih.gov/grants/policy/myf.htm>.

A final RPPR, invention statement, and the expenditure data portion of the Federal Financial Report are required for closeout of an award, as described in the [NIH Grants Policy Statement](#).

The Federal Funding Accountability and Transparency Act of 2006 (Transparency Act), includes a requirement for awardees of Federal grants to report information about first-tier subawards and executive compensation under Federal assistance awards issued in FY2011 or later. All awardees of applicable NIH grants and cooperative agreements are required to report to the Federal Subaward Reporting System (FSRS) available at www.fsrs.gov on all subawards over \$25,000. See the [NIH Grants Policy Statement](#) for additional information on this reporting requirement.

In accordance with the regulatory requirements provided at 45 CFR 75.113 and Appendix XII to 45 CFR Part 75, recipients that have currently active Federal grants, cooperative agreements, and procurement contracts from all Federal awarding agencies with a cumulative total value greater than \$10,000,000 for any period of time during the period of performance of a Federal award, must report and maintain the currency of information reported in the System for Award Management (SAM) about civil, criminal, and administrative proceedings in connection with the award or performance of a Federal award that reached final disposition within the most recent five-year period. The recipient must also make semiannual disclosures regarding such proceedings. Proceedings information will be made publicly available in the designated integrity and performance system (currently FAPIIS). This is a statutory requirement under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313). As required by section 3010 of Public Law 111-212, all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available. Full reporting requirements and procedures are found in Appendix XII to 45 CFR Part 75 – Award Term and Conditions for Recipient Integrity and Performance Matters.

Section VII. Agency Contacts

We encourage inquiries concerning this funding opportunity and welcome the opportunity to answer questions from potential applicants.

Application Submission Contacts

eRA Service Desk (Questions regarding ASSIST, eRA Commons, application errors and warnings, documenting system problems that threaten on-time submission, and post-submission issues)

Finding Help Online: <http://grants.nih.gov/support/> (preferred method of contact)
Telephone: 301-402-7469 or 866-504-9552 (Toll Free)

General Grants Information (Questions regarding application processes and NIH grant resources)

Email: GrantsInfo@nih.gov (preferred method of contact)
Telephone: 301-945-7573

Grants.gov Customer Support (Questions regarding Grants.gov registration and Workspace)

Contact Center Telephone: 800-518-4726

Email: support@grants.gov

Scientific/Research Contact(s)

There must be a contact for all participating ICs.

Christopher L. Hatch, Ph.D.
National Cancer Institute (NCI)
Telephone: 240-276-6454
Email: ch29v@nih.gov

Aaron Laposky, Ph.D.
National Heart Blood and Lung Institute (NHLBI)
Telephone: 301-827-7837
Email: laposkya@mail.nih.gov

Diane Adger-Johnson, MPH
National Institute of Allergy and Infectious Diseases (NIAID)
Telephone: 240-669-2924
Email: AITrainingHelpDesk@niaid.nih.gov

Kristy M. Nicks, PhD
National Institute of Arthritis and Musculoskeletal and Skin Diseases
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Email: kristy.nicks@nih.gov

Zeynep Erim, Ph.D.
National Institute of Biomedical Imaging and Bioengineering
Telephone: 301-451-4797
Email: erimz@mail.nih.gov

Mahua Mukhopadhyay, PhD
Eunice Kennedy Shriver National Institute of Child Health and Human Development
([NICHD](#))
Phone: 301-435-6886
Email: mukhopam@mail.nih.gov

Susan Sullivan, Ph.D.
National Institute on Deafness and Other Communication Disorders
Telephone: 301-451-3841

Email: sullivas@nidcd.nih.gov

Alicia Dombroski, Ph.D.
National Institute of Dental and Craniofacial Research
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Email: adombroski@mail.nih.gov

Tracy Waldeck, Ph.D.
National Institute on Drug Abuse
Telephone: 301-827-5844
Email: tracy.waldeck@nih.gov

Astrid C. Haugen
National Institute of Environmental Health Sciences (NIEHS)
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Email: Haugen@niehs.nih.gov

Aileen Schulte, Ph.D.
National Institute of Mental Health ([NIMH](#))
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Letitia Weigand, Ph.D.
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Lanay Mudd, Ph.D.
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Email: lanay.mudd@nih.gov

Michelle Hamlet
National Institute of Nursing Research
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Email: michelle.hamlet@nih.gov

DeLoris Hunter, Ph.D.
National Institute on Minority Health and Health Disparities (NIMHD)
Telephone: 301-402-1366
Email: hunterd2@mail.nih.gov

Li Lin, Ph.D.
National Institute of Alcohol Abuse and Alcoholism (NIAAA)
Telephone: 301-827-7749
Email: linli@mail.nih.gov

Rene Etcheberrigaray, MD
National Institute on Aging (NIA)
Telephone: 301-451-9798
Email: etcheber@nih.gov

Peer Review Contact(s)

Examine your eRA Commons account for review assignment and contact information (information appears two weeks after the submission due date).

Financial/Grants Management Contact(s)

Crystal Wolfrey
National Cancer Institute (NCI)
Telephone: 240-276-6277
Email: wolfreyc@mail.nih.gov

Anthony Agresti
National Heart, Lung, and Blood Institute (NHLBI)
Telephone: 301-435-0186
Email: agrestia@nhlbi.nih.gov

Annie Grimes
National Institute of Allergy and Infectious Diseases (NIAID)
Telephone: 301-761-7315
Email: Annie.grimes@nih.gov

Teresa Do
National Institute of Arthritis and Musculoskeletal and Skin Diseases
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Monique Day, PhD
National Institute of Biomedical Imaging and Bioengineering
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Bryan S. Clark, M.B.A
Eunice Kennedy Shriver National Institute of Child Health and Human
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Christopher Meyers
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