



National Institutes of Health Open Grant Opportunities

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute of Arthritis and Musculoskeletal and Skin Disease</p> <p>Deadline 3 /4 /2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PAR-18-597.html</p>	<p>Clinical Observational (CO) Studies in Musculoskeletal, Rheumatic, and Skin Diseases (R01 Clinical Trial Not Allowed)</p>	<p>This Funding Opportunity Announcement (FOA) is to encourage Research Project Grant (R01) applications to pursue clinical observational (CO) studies to obtain data necessary for designing clinical studies for musculoskeletal, rheumatic, or skin diseases or conditions. A future clinical study may include a clinical trial or an observational study. Research data from observational studies supported by this FOA can enhance clinical study design by providing essential information about disease symptoms, stages and timing of disease progression, comorbid conditions, availability of potential research participants, and outcomes that are important to patients. They also can facilitate efforts to develop and/or validate objective biomarkers or subjective outcome measures for use in a future clinical study. Applicants to this FOA are encouraged to propose studies that address significant obstacles or questions in the design of a clinical project, such as determining the appropriate primary or secondary outcome measures, or identifying the stages of disease during which patients are most likely to respond to an intervention. Only observational studies will be supported through this FOA.</p>	611
<p>National Institute of Arthritis and Musculoskeletal and Skin Disease</p> <p>Deadline 3 /4 /2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PAR-18-594.html</p>	<p>NIAMS Clinical Trial Implementation Cooperative Agreement (U01 Clinical Trial Required)</p>	<p>This Funding Opportunity Announcement (FOA) invites cooperative agreement (U01) applications for implementation of investigator-initiated interventional clinical trials (all phases). Applications for clinical trials submitted to the NIAMS are normally expected to go through a two-part process, which begins with an R34 planning phase (Part 1) followed by an application for the U01 (Part 2). Investigators who have completed all necessary pre-trial planning and preparation through other means may apply for a NIAMS U01 without having applied for a R34. The NIAMS expects trials to be hypothesis-driven and have the potential for high impact within the research mission of the NIAMS.</p>	625
<p>National Institutes of Health</p> <p>Deadline 3 /29/2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PAR-17-163.html</p>	<p>Research To Address Sleep Disorders in the Context of Medical Rehabilitation (R01)</p>	<p>Patients with many disabilities report problems sleeping, but specific sleep disorders are often not diagnosed. Because sleep affects many physiological and behavioral parametersdepression, anxiety, pain, cancer, cardiovascular changes, immune functionsleep disorders should be diagnosed and appropriately treated to maximize benefit of rehabilitation. Research is needed on ways to best approach this complexity in the context of medical rehabilitation for a primary, nonsleep disorder.</p>	310

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute of Child Health and Human Development</p> <p>Deadline 3 /29/2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PAR-17-161.html</p>	<p>NCMRR Early Career Research Award (R03)</p>	<p>The National Center for Medical Rehabilitation Research (NCMRR) Early Career Research (ECR) Award (R03) is intended to support both basic and clinical research from rehabilitation scientists who are establishing independent research careers. It cannot be used to support thesis/dissertation research or research conducted by postdoctoral fellows. The research should be focused on one or more of the areas within the biomedical and behavioral mission of NCMRR: pathophysiology and management of chronically injured nervous and musculoskeletal systems; repair and recovery of motor and cognitive function; functional plasticity, adaptation, and windows of opportunity for rehabilitation interventions; rehabilitative strategies involving pharmaceutical, stimulation, neuroengineering approaches, exercise, motor training, and behavioral modifications; pediatric rehabilitation; secondary conditions associated with chronic disabilities; improved diagnosis, assessment, and outcome measures; and development of orthotics, prosthetics, and other assistive technologies and devices. The NCMRR ECR Award supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; translational research; outcomes research; and development of new technology. Irrespective of the type of project, the intent of the NCMRR ECR Award is for the Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) to obtain sufficient preliminary data for a subsequent R01 application.</p>	<p>362</p>
<p>National Institute of Child Health and Human Development</p> <p>Deadline 3 /29/2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PAR-18-211.html</p>	<p>NCMRR Early Career Research Award (R03 Clinical Trial Optional)</p>	<p>The National Center for Medical Rehabilitation Research (NCMRR) Early Career Research (ECR) Award (R03) is intended to support both basic and clinical research from rehabilitation scientists who are establishing independent research careers. It cannot be used to support thesis/dissertation research or research conducted by postdoctoral fellows. The research should be focused on one or more of the areas within the biomedical and behavioral mission of NCMRR: pathophysiology and management of chronically injured nervous and musculoskeletal systems; repair and recovery of motor and cognitive function; functional plasticity, adaptation, and windows of opportunity for rehabilitation interventions; rehabilitative strategies involving pharmaceutical, stimulation, neuroengineering approaches, exercise, motor training, and behavioral modifications; pediatric rehabilitation; secondary conditions associated with chronic disabilities; improved diagnosis, assessment, and outcome measures; and development of orthotics, prosthetics, and other assistive technologies and devices. The NCMRR ECR Award supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; translational research; outcomes research; and development of new technology. Irrespective of the type of project, the intent of the NCMRR ECR Award is for the Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) to obtain sufficient preliminary data for a subsequent R01 application.</p>	<p>927</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute of Arthritis and Musculoskeletal and Skin Disease</p> <p>Deadline 4 /2 /2019</p> <p>https://grants.nih.gov/grants/guide/rfa-files/RFA-AR-19-006.html</p>	<p>Mechanistic Ancillary Studies to Ongoing Clinical Projects (R01 Clinical Trial Not Allowed)</p>	<p>This Funding Opportunity Announcement (FOA) solicits applications that propose to conduct time-sensitive mechanistic ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, ongoing clinical projects. The ongoing “parent” clinical project can be an interventional clinical trial, or a clinical study such as an observational study that will be actively collecting patient samples or clinical data. The “parent” project(s) should provide a cohort of well-characterized patients, infrastructure, data, and biological samples for the ancillary study. Applications submitted in response to this FOA will undergo an accelerated review and award process. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community’s understanding of a disease or organ system in the NIAMS portfolio, and thus may identify novel targets for diagnosis, treatment, and prevention of disease.</p>	<p>690</p>
<p>National Institute of Arthritis and Musculoskeletal and Skin Disease</p> <p>Deadline 4 /2 /2019</p> <p>https://grants.nih.gov/grants/guide/rfa-files/RFA-AR-19-007.html</p>	<p>Mechanistic Ancillary Studies to Ongoing Clinical Projects (R21 Clinical Trial Not Allowed)</p>	<p>This Funding Opportunity Announcement (FOA) solicits applications that propose to conduct time-sensitive mechanistic ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, ongoing clinical projects. The ongoing “parent” clinical project can be an interventional clinical trial, or a clinical study such as an observational study that will be actively collecting patient samples or clinical data. The “parent” project(s) should provide a cohort of well-characterized patients, infrastructure, data, and biological samples for the ancillary study. Applications submitted in response to this FOA will undergo an accelerated review and award process. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community’s understanding of a disease or organ system in the NIAMS portfolio, and thus may identify novel targets for diagnosis, treatment, and prevention of disease.</p>	<p>689</p>
<p>National Institutes of Health</p> <p>Deadline 4 /11/2019</p>	<p>Health Services Research on Minority Health and Health disparities (R01) PAR-16-221; (R21) PAR-16-222</p>	<p>Research encouraged under this FOA includes examination of health care services in health care systems such as private and public health insurance plans; physician groups; hospitals, nursing homes and assisted living facilities; academic medical centers; integrated delivery systems; and criminal justice settings. Projects may address health services pertaining to the treatment of particular health conditions, multiple health conditions, specific segments of the population, or more general indicators (e.g., access to primary care services, etc.) that may not be condition-specific. Projects may include observational/descriptive, simulation, or interventional studies and may involve primary data collection and/or secondary analysis of existing datasets. It is expected that all projects will involve the use of relevant health system-level data in some way.</p>	<p>88</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health	Health Services Research on Minority Health and Health Disparities (R21 Clinical Trial Optional)	The purpose of this Funding Opportunity Announcement (FOA) is to encourage innovative exploratory and developmental health services research to improve minority health and/or reduce health disparities at the health care system-level as well as within clinical settings.	638
Deadline	4 /11/2019		
	https://grants.nih.gov/grants/guide/pa-files/PAR-18-287.html		
National Institutes of Health	Health Services Research on Minority Health and Health Disparities	Research encouraged under this FOA includes examination of health care services in health care systems—such as private and public health insurance plans; physician groups; hospitals, nursing homes and assisted living facilities; academic medical centers; integrated delivery systems; and criminal justice settings. Projects may address health services pertaining to the treatment of particular health conditions, multiple health conditions, specific segments of the population, or more general indicators (e.g., access to primary care services, etc.) that may not be condition-specific. Projects may include observational/descriptive, simulation, or interventional studies and may involve primary data collection and/or secondary analysis of existing datasets. It is expected that all projects will involve the use of relevant health system-level data in some way.	122
Deadline	4 /12/2019		
	http://grants.nih.gov/grants/guide/pa-files/PAR-16-221.html		
National Institutes of Health	Health Services Research on Minority Health and Health Disparities	Research encouraged under this FOA includes examination of health care services in health care systems—such as private and public health insurance plans; physician groups; hospitals, nursing homes and assisted living facilities; academic medical centers; integrated delivery systems; and criminal justice settings. Projects may address health services pertaining to the treatment of particular health conditions, multiple health conditions, specific segments of the population, or more general indicators (e.g., access to primary care services, etc.) that may not be condition-specific. Projects may include observational/descriptive, simulation, or interventional studies and may involve primary data collection and/or secondary analysis of existing datasets. It is expected that all projects will involve the use of relevant health system-level data in some way.	148
Deadline	4 /12/2019		
	http://grants.nih.gov/grants/guide/pa-files/PAR-16-221.html		
National Institutes of Health	Predicting Behavioral Responses to Population-Level Cancer Control Strategies	The goal of this funding opportunity announcement (FOA) is to facilitate research to identify individual influences on the effectiveness of population-level strategies that target cancer-related behaviors. Research facilitated by this FOA has the potential to facilitate cancer prevention and control efforts by better targeting current population-level strategies, shaping the development of new strategies, and communicating strategies most effectively. This FOA utilizes the Exploratory/Developmental Grant (R21) mechanism, which supports investigation of novel scientific ideas or new model systems, tools, or technologies that have the potential for significant impact on biomedical or biobehavioral research. An R21 grant application need not have extensive background material or preliminary information.	109
Deadline	4 /12/2019		
	http://grants.nih.gov/grants/guide/pa-files/PAR-16-257.html		

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute of Arthritis and Musculoskeletal and Skin Disease</p> <p>Deadline 4 /19/2019</p>	<p>Research Innovations for Scientific Knowledge (RISK) for Musculoskeletal Diseases (R61/R33 Clinical Trial Not</p>	<p>The NIAMS Research Innovation for Scientific Knowledge (RISK) for Musculoskeletal Diseases (R61/R33) initiative focuses on innovative research within the NIAMS mission by encouraging applicants to pursue unusual observations, test imaginative hypotheses, investigate creative concepts, and build ground-breaking paradigms, all of which deviate significantly from the current prevailing theories or practice. This FOA is particularly designed to encourage the submission of projects that are considered too risky, premature, controversial, or unconventional for other NIH mechanisms. This FOA intends to support disease-focused translational studies. We invite research studies aimed at understanding the mechanisms of diseases or conditions relevant to the NIAMS mission, as well as studies aimed at developing or testing diagnostics, therapeutic agents, or preventive interventions up to, but not including, first in human studies. The RISK R61/R33 FOAs are not intended to support clinical trials.</p> <p>The RISK program will support the two main scientific areas of NIAMS mission, 1) musculoskeletal diseases and 2) the skin and rheumatic diseases. This R61/R33 application and the companion X02 pre-application (PAR-19-XXX) encourage applications related to musculoskeletal diseases.</p> <p>The X02 is the highly recommended (not required) first step in the application process for this FOA. Potential applicants should read both FOAs.</p> <p>Investigators whose X02 pre-applications are evaluated to be highly innovative and most relevant to the RISK program, will be notified of the opportunity to submit an R61/R33 application to this FOA.</p> <p>The R61/R33 is a two-phase application.</p> <p>The R61 Phase will provide up to two years of support to perform critical experiments that rigorously test the proposed concept. These critical experiments should unambiguously support or reject the central hypothesis. The outcomes of these critical experiments will be the main determining factor for the activation of the R33 Phase, which will provide up to one additional year of support to further validate and explore the innovative concept.</p>	<p>765</p>

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AR-19-013.html>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institute of Child Health and Human Development	NICHD Research Education Programs (R25)	<p>The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NICHD 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, which are encouraged to include hands-on research experiences. This FOA encourages applications to develop and conduct short-term research education programs to improve the knowledge and research skills of biomedical and behavioral scientists conducting research in areas relevant to the mission of NICHD, including reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health and well-being of newborns, infants, children, adults, families, and populations. Educational programs that involve centralized activities or partnerships across institutions are encouraged. The audience for the educational program may include individuals from the upper undergraduate to the Assistant Professor level. Proposed research education programs submitted to this FOA are expected to be designed for, and available to, a broad audience. Programs comprising for-credit courses that are primarily aimed at students or participants at a single institution are not within the scope of this program. The budget is limited to \$150,000 in direct costs per year for a maximum of five years.</p>	319
Deadline 5 /25/2019			
https://grants.nih.gov/grants/guide/pa-files/PAR-17-183.html			

National Institute of Diabetes and Kidney Diseases	New Paradigms in Tissue Communication-from mediators to metabolic function (RC2 Clinical Trials)	<p>NIDDK utilizes High Impact, Interdisciplinary Science (RC2) grants to support projects that will lay the foundation for new fields of investigation within the mission of NIDDK. The RC2 is envisioned to use an interdisciplinary approach to generate a research resource and/or foster discovery-based or hypothesis-generating science that can have a significant impact on the broader scientific community.</p> <p>This targeted FOA specifically seeks to generate scientific advancements that are focused on identifying new signals and regulatory networks that mediate metabolic cross talks within and between organs that play a role in the development of diabetes and obesity. The interdisciplinary approaches proposed should be designed to foster novel synergies that will accelerate conceptual and technical breakthroughs in science related to metabolic tissue communication</p>	770
Deadline 5 /30/2019			
https://grants.nih.gov/grants/guide/pa-files/PAR-18-886.html			

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 6 /8 /2019</p> <p>http://grants.nih.gov/grants/guide/pa-files/PAR-16-256.html</p>	<p>Cancer-Related Behavioral Research through Integrating Existing Data</p>	<p>This Funding Opportunity Announcement (FOA) invites applications that seek to integrate two or more independent data sets to answer novel cancer control and prevention questions. The goal is to encourage applications that incorporate Integrative Data Analysis (IDA) methods to study behavioral risk factors for cancer, including tobacco use, sedentary behavior, poor weight management, and lack of medical adherence to screening and vaccine uptake. It is encouraged that the data being merged are from different sources and types (including both quantitative and qualitative; data may span different levels such as genetic and environmental) and include at least one source of behavioral data. Importantly, to be considered for funding, applicants must use existing data sources rather than collect new data. In addition, creating harmonized measures, developing culturally sensitive measures, replicating results and cross-study comparisons is encouraged.</p>	<p>111</p>
<p>National Institutes of Health</p> <p>Deadline 6 /11/2019</p> <p>https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-18-043.html</p>	<p>Discovery and Validation of Novel Targets for Safe and Effective Pain Treatment (R01 Clinical Trial Not</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to promote the discovery and validation of novel therapeutic targets to facilitate the development of pain therapeutics. Specifically, the focus of this FOA is on the basic science discovery of targets in the peripheral nervous system, central nervous system, immune system or other tissues in the body that can be used to develop treatments that have minimal side effects and little to no abuse/addiction liability. Research supported by this FOA must include rigorous validation studies to demonstrate the robustness of the target as a pain treatment target. This will lower the risk of adopting the target in translational projects to develop small molecules, biologics, natural substances, or devices that interact with this target for new pain treatments. Translational research to develop new medical devices is not the focus of this FOA. Basic science studies of pain and related systems in the body are responsive to this FOA and are encouraged in the context of novel pain therapeutic target discovery.</p> <p>This FOA is not specific for any one or group of pain conditions. Projects to identify novel targets for acute pain, chronic pain, migraine, other headache disorders, osteoarthritis, diabetic neuropathy, chemotherapy-induced neuropathy, sickle-cell pain, post stroke pain, orofacial pain, etc. will be considered. Projects to identify novel targets for a combination of chronic overlapping pain conditions or for specific pathological conditions will be considered. Projects that seek to identify novel targets in specific populations such as women, children, older adults or other underrepresented groups will also be responsive to this FOA.</p> <p>LOI due 10/27/18; application due 11/27/18.</p>	<p>837</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 6 /11/2019	Discovery and Validation of Novel Targets for Safe and Effective Pain Treatment (R21 Clinical Trial Not	<p>This program announcement is intended to encourage new exploratory and developmental research projects to discover and validate novel targets for pain treatment. For example, such projects could assess the feasibility of a means to identify and validate a novel pain target. Another example could include the unique and innovative use of an existing methodology to explore an area of basic biology that could lead to the discovery of a novel pain treatment target. In any scenario, initial experiments to validate a target for pain treatment should be included in the application. These studies may involve considerable risk but may lead to a breakthrough in pain treatment. The focus of this FOA is on the basic science discovery of targets in the peripheral nervous system, central nervous system, immune system or other tissues in the body that can be used to develop treatments that have minimal side effects and little to no abuse/addiction liability. Research supported by this FOA must include rigorous validation studies to demonstrate the robustness of the target as a pain treatment target. This will lower the risk of adopting the target in translational projects to develop small molecules, biologics, natural substances, or devices that interact with this target for new pain treatments. Translational research to develop new medical devices are not the focus of this FOA. Basic science studies of pain and related systems in the body are responsive to this FOA and are encouraged in the context of novel pain therapeutic target discovery. This FOA is not specific for any one or group of pain conditions. Projects to identify novel targets for acute pain, chronic pain, migraine, other headache disorders, osteoarthritis, diabetic neuropathy, chemotherapy-induced neuropathy, sickle-cell pain, orofacial pain, post stroke pain, etc. will be considered. Projects to identify novel targets for a combination of chronic overlapping pain conditions or for specific pathological conditions will be considered. Projects that seek to identify novel targets in specific populations such as women, children, older adults or other underrepresented groups will also be responsive to this FOA.</p> <p>LOI due 10/27/18; application due 11/27/18.</p>	834
https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-18-042.html			
National Institutes of Health Deadline 6 /14/2019	Innovative Approaches to Studying Cancer Communication in the New Media Environment	<p>This Funding Opportunity Announcement (FOA) invites applications that seek to apply one or more innovative methodologies in communication research across the cancer control continuum, from prevention, early detection, diagnosis, treatment, and survivorship, to end of life. Applications to this FOA should utilize one or more of the following analytic approaches, methods, and data sources, including but not limited to social media data mining, Natural Language Processing (NLP) techniques, online social network analysis, crowdsourcing research tools (e.g., mTurk), online search data, Ecological Momentary Assessment, neuroscience and biobehavioral approaches to communication, and geographic information systems. Studies should assess outcomes related to cancer prevention and control (e.g., knowledge, attitudes, beliefs, perceived risk, decision making in screening and treatment, information inequalities, social support, shared decision making, persuasion, caregiving, behavioral intentions, preventive behaviors, and policy support, among others).</p>	110
http://grants.nih.gov/grants/guide/pa-files/PA-16-257.html			

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 5 /8 /2019	Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)	The purpose of the Kirschstein-NRSA predoctoral fellowship (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 applicant's dissertation research project and is expected to clearly enhance the individual's potential to develop into a productive, independent research scientist.	528
https://grants.nih.gov/grants/guide/pa-files/pa-16-309.html			
National Institutes of Health Deadline 5 /8 /2019	Dissemination and Implementation Research in Health (R01 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings. In addition, studies to advance dissemination and implementation research methods and measures are encouraged. The purpose of this Funding Opportunity Announcement (FOA) is to support innovative approaches to identifying, understanding, and developing strategies for overcoming barriers to the adoption, adaptation, integration, scale-up and sustainability of evidence-based interventions, tools, policies, and guidelines. Conversely, there is a benefit in understanding circumstances that create a need to "de-implement" or reduce the use of strategies and interventions that are not evidence-based, have been prematurely widely adopted, yield sub-optimal benefits for patients, or are harmful or wasteful.	546
http://grants.nih.gov/grants/guide/pa-files/PAR-18-007.html			
National Institutes of Health Deadline 5 /8 /2019	Dissemination and Implementation Research in Health (R21 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings. In addition, studies to advance dissemination and implementation research methods and measures are encouraged. The purpose of this dissemination and implementation research funding opportunity announcement (FOA) is to support innovative approaches to identifying, understanding, and developing strategies for overcoming barriers to the adoption, adaptation, integration, scale-up and sustainability of evidence-based interventions, tools, policies, and guidelines. Conversely, there may be a benefit in understanding circumstances that create a need to "de-implement" or reduce the use of strategies and interventions that are not evidence-based, have been prematurely widely adopted, yield sub-optimal benefits for patients, or are harmful or wasteful.	547
http://grants.nih.gov/grants/guide/pa-files/PAR-18-017.html			

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 5 /8 /2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-141.html</p>	<p>Mechanisms, Models, Measurement, & Management in Pain Research (R01 Clinical Trial Optional)</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute injury is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.</p>	<p>551</p>
<p>National Institutes of Health</p> <p>Deadline 5 /8 /2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-159.html</p>	<p>Mechanisms, Models, Measurement, & Management in Pain Research (R21 Clinical Trial Optional)</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute injury is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.</p>	<p>552</p>
<p>National Institutes of Health</p> <p>Deadline 5 /8 /2019</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-16-307.html</p>	<p>Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)</p>	<p>The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32) is to support promising applicants during their mentored postdoctoral training under the guidance of outstanding faculty sponsors. The integrated program of research and training should enhance the individual's potential to develop into a productive, independent researcher. The training plan should document the need for, and the anticipated value of, the proposed mentored training in relationship to the individual's research career goals. The training plan should also facilitate the fellow's transition to the next stage of his/her career.</p>	<p>322</p>

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National Institutes of Health	NIH Exploratory/Developmental Research Grant Program (Parent R21)		172
Deadline 5 /8 /2019			
		http://grants.nih.gov/grants/guide/pa-files/PA-16-161.html	
National Institutes of Health	Diet and Physical Activity Assessment Methodology (R01 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA are encouraged to include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.	657
Deadline 5 /8 /2019			
		https://grants.nih.gov/grants/guide/pa-files/PAR-18-112.html	
National Institutes of Health	Mechanisms Mediating Osteoarthritis in Aging	This Funding Opportunity Announcement (FOA) invites applications on research employing genetically defined and/or modified mouse models, other animal models such as dogs and monkeys, or archived human joint tissues to explore the biological mechanisms underlying the initiation and progression of osteoarthritis. Suggested research topics may include, but are not limited to: Molecular characterization of disease pathology phenotypes of animal models exhibiting joint degeneration; Identification of downstream effectors in pathways mediating effects of gene inactivation or transgene expression in genetically modified mice exhibiting joint degeneration; The role of the aging immune system in the initiation of OA. Understanding the age-related changes in metabolism that facilitate the initiation and/or progression of OA; Understanding the age-related changes in metabolism that facilitate the initiation and/or progression of OA; Identification of molecular mechanisms by which physical activity may ameliorate OA symptoms; Mapping of genetic loci linked to joint degeneration in inbred mouse strains; Characterization of changes at the chondro-osseous junction that precede or accompany degradation of the articular surface in mouse models; Testing of models of joint degeneration by specific antagonizing biological functions, using anti-sense, dominant-negative, miRNA, lncRNA or RNAi approaches;	149
Deadline 9 /8 /2019			
		http://grants.nih.gov/grants/guide/pa-files/PA-16-239.html	

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 9 /8 /2019</p> <p>http://grants.nih.gov/grants/guide/pa-files/PA-16-239.html</p>	<p>Mechanisms Mediating Osteoarthritis in Aging</p>	<p>This Funding Opportunity Announcement (FOA) invites applications on research employing genetically defined and/or modified mouse models, other animal models such as dogs and monkeys, or archived human joint tissues to explore the biological mechanisms underlying the initiation and progression of osteoarthritis. Suggested research topics may include, but are not limited to: Molecular characterization of disease pathology phenotypes of animal models exhibiting joint degeneration; Identification of downstream effectors in pathways mediating effects of gene inactivation or transgene expression in genetically modified mice exhibiting joint degeneration; The role of the aging immune system in the initiation of OA. Understanding the age-related changes in metabolism that facilitate the initiation and/or progression of OA; Identification of molecular mechanisms by which physical activity may ameliorate OA symptoms; Mapping of genetic loci linked to joint degeneration in inbred mouse strains; Characterization of changes at the chondro-osseous junction that precede or accompany degradation of the articular surface in mouse models; Testing of models of joint degeneration by specific antagonizing biological functions, using anti-sense, dominant-negative, miRNA, lncRNA or RNAi approaches;</p>	<p>104</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2020</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-164.html</p>	<p>Self-Management Interventions and Technologies to Sustain Health and Optimize Functional Capabilities (R21)</p>	<p>This Funding Opportunity Announcement (FOA) seeks clinical research on self-management interventions and technologies that improve health and quality of life in persons needing assistance to optimize and maintain existing functional capabilities, prevent/delay disabilities and navigate their environment. The research focus encompasses maintenance/restorative care that can be tailored to individuals' existing functional abilities and interests and is intended to enhance physical, sensory, motor, and mental capabilities. Of particular interest is research designed to maintain functional capabilities in such conditions as cardiac and respiratory insufficiency, movement impairment associated with arthritis, chronic back pain, stroke, and other physical or cognitive disabilities.</p>	<p>558</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2020</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-146.html</p>	<p>Self-Management Interventions and Technologies to Sustain Health and Optimize Functional Capabilities (R01)</p>	<p>This Funding Opportunity Announcement (FOA) seeks clinical research on self-management interventions and technologies that improve health and quality of life in persons needing assistance to optimize and maintain existing functional capabilities, prevent/delay disabilities and navigate their environment. The research focus encompasses maintenance/restorative care that can be tailored to individuals' existing functional abilities and interests and is intended to enhance physical, sensory, motor, and mental capabilities. Of particular interest is research designed to maintain functional capabilities in such conditions as cardiac and respiratory insufficiency, movement impairment associated with arthritis, chronic back pain, stroke, and other physical or cognitive disabilities.</p>	<p>557</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health	Use of Technology to Enhance Patient Outcomes and Prevent Illness (R01 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) seeks clinical research focused on the development and utilization of technologies that can help address patient outcomes. Relevant areas of technology include remote healthcare delivery to patients via telehealth, robotics to enhance medication adherence, on-site (e.g., clinical or home setting) care delivery, mobile health to increase access and adherence, web-based decision support tools, and others. Research projects may focus on assessment, diagnosis, intervention development, or intervention implementation. Research projects that a) incorporate emerging and cutting edge technologies to explain and predict patient trajectories, b) inform interventions, c) support real-time clinical decision making, and d) facilitate effective long-term management of chronic illness are especially needed. Critical to this FOA, proposed research should identify specific patient outcomes expected to improve from technological approaches. The specific tools or interventions proposed should clearly indicate how they will enhance patient benefits in environments, such as clinical settings, and/or in the home and community.	555
Deadline	1 / 8 / 2020		
https://grants.nih.gov/grants/guide/pa-files/PA-18-145.html			
National Institutes of Health	Use of Technology to Enhance Patient Outcomes and Prevent Illness (R21 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) seeks clinical research focused on the development and utilization of technologies that can help address patient outcomes. Relevant areas of technology include remote healthcare delivery to patients via telehealth, robotics to enhance medication adherence, on-site (e.g., clinical or home setting) care delivery, mobile health to increase access and adherence, web-based decision support tools, and others. Research projects may focus on assessment, diagnosis, intervention development, or intervention implementation. Research projects that a) incorporate emerging and cutting edge technologies to explain and predict patient trajectories, b) inform interventions, c) support real-time clinical decision making, and d) facilitate effective long-term management of chronic illness are especially needed. Critical to this FOA, proposed research should identify specific patient outcomes expected to improve from technological approaches. The specific tools or interventions proposed should clearly indicate how they will enhance patient benefits in environments, such as clinical settings, and/or in the home and community.	553
Deadline	1 / 8 / 2020		
https://grants.nih.gov/grants/guide/pa-files/PA-18-163.html			
National Institute on Deafness and Other Communication Disorders	Hearing Health Care for Adults: Improving Access and Affordability (R01)	This FOA encourages on hearing loss and hearing health care in adults in support of improving access and affordability. Further research is needed to strengthen the evidence base with a goal of delivering better hearing health care outcomes in adults. Research Objectives: Appropriate studies may include, but are not limited to, the following: Population Based Studies, Innovative Models, Technologies, and Collaborative and Interdisciplinary Research. Research interaction and collaboration among the many relevant parties (e.g., researchers, service providers, patient-advocacy organizations, professional organizations, and industry) is encouraged. Community-based participatory research is encouraged.	329
Deadline	3 / 5 / 2020		
https://grants.nih.gov/grants/guide/pa-files/PA-17-202.html			

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institute on Deafness and Other Communication Disorders Deadline 5 /8 /2020 https://grants.nih.gov/grants/guide/pa-files/PA-18-287.html	Improving Outcomes for Disorders of Human Communication (R01 Clinical Trial Optional)	The purpose of this Funding Opportunity Announcement (FOA) is to improve the health outcomes for individuals with deafness and other communication disorders through effectiveness and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language.	540
National Institute on Deafness and Other Communication Disorders Deadline 5 /8 /2020 https://grants.nih.gov/grants/guide/pa-files/PA-18-288.html	Improving Outcomes for Disorders of Human Communication (R21 Clinical Trial Optional)	The purpose of this Funding Opportunity Announcement (FOA) is to improve the health outcomes for individuals with deafness and other communication disorders through effectiveness and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. The NIDCD recently completed its National Strategic Research Plan for 2017-2021 (https://www.nidcd.nih.gov/about/strategic-plans). One of the four overarching goals, Improving Outcomes for Human Communication, seeks to accelerate the translation of research discoveries into practice, to increase access to health care, and to enhance the delivery, quality and effectiveness of care, with the goal of improving personal and public health. This FOA responds to this strategic goal.	900
National Institute on Deafness and Other Communication Disorders Deadline 5 /8 /2020 https://grants.nih.gov/grants/guide/pa-files/PA-18-288.html	Improving Outcomes for Disorders of Human Communication	The purpose of this Funding Opportunity Announcement (FOA) is to improve the health outcomes for individuals with deafness and other communication disorders through effectiveness and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language.	541
National Institutes of Health Deadline 5 /8 /2020 http://grants.nih.gov/grants/guide/pa-files/PA-17-062.html	Promoting Caregiver Health Using Self-Management (R01)	Research projects of interest include those that seek to: <ul style="list-style-type: none"> • Design culturally-tailored interventions to help caregivers leverage supports, manage burdens, stress, and other negative outcomes to maximize healthy behaviors and QOL using self-management • Develop culturally-sensitive tools using self-management and technology to improve caregivers' skills, knowledge, and access to resources, services, and social support to promote caregiver health • Identify biomarkers to help predict when caregivers are at high risk for poor health that can be addressed through self-management • Identify self-management interventions at different transitions in the caregiving that address the challenges, barriers, and unique situations related to caregiver's age, gender, or socioeconomic status and promote caregiver health • Identify what interventions are efficacious and effective for self-management of caregivers across chronic conditions • Identify mechanism of action of self-management interventions that work to affect caregiver health outcomes 	236

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 5 /8 /2020 https://grants.nih.gov/grants/guide/pa-files/PA-18-152.html	Reducing Health Disparities Among Minority and Underserved Children (R01 Clinical Trial Optional)	This initiative encourages research that targets the reduction of health disparities among children. Investing in early childhood development is essential. Specific targeted areas of research include bio-behavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test, evaluate, translate, and disseminate health promotion prevention and interventions conducted in traditional and non -traditional settings.	561
National Institutes of Health Deadline 5 /8 /2020 https://grants.nih.gov/grants/guide/pa-files/PA-18-169.html	Reducing Health Disparities Among Minority and Underserved Children (R21 Clinical Trial Optional)	This initiative encourages research that targets the reduction of health disparities among children. Investing in early childhood development is essential. Specific targeted areas of research include bio-behavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test, evaluate, translate, and disseminate health promotion prevention and interventions conducted in traditional and non -traditional settings	562
National Institutes of Health Deadline 5 /8 /2020 http://grants.nih.gov/grants/guide/pa-files/PA-17-073.html	Potential Effects of Metformin on Aging and Age-Related Conditions: Small-Scale Clinical Studies and Secondary	Data from clinical studies of metformin in a variety of patient populations suggest that it may have other effects, besides being an antihyperglycemic agent, which warrant further attention in translational aging research. The objective of this FOA is to support research projects (R01), including small-scale physiologic studies in humans or secondary analyses of data and/or stored biospecimens from controlled clinical intervention studies, to increase our understanding of the clinical translational potential of metformin to delay deleterious aging changes or to extend healthy human life span. This includes identification of specific populations particularly likely to benefit from treatment, and/or obtaining information on metformin's human physiologic and cellular effects that would be useful in identifying novel molecular targets.	232

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 5 /8 /2020	Potential Effects of Metformin on Aging and Age-Related Conditions: Small-Scale Clinical Studies and Secondary Analysis	Data from clinical studies of metformin in a variety of patient populations suggest that it may have other effects, besides being an antihyperglycemic agent, which warrant further attention in translational aging research. The objective of this FOA is to support research projects (R01), including small-scale physiologic studies in humans or secondary analyses of data and/or stored biospecimens from controlled clinical intervention studies, to increase our understanding of the clinical translational potential of metformin to delay deleterious aging changes or to extend healthy human life span. This includes identification of specific populations particularly likely to benefit from treatment, and/or obtaining information on metformin's human physiologic and cellular effects that would be useful in identifying novel molecular targets.	924
National Institutes of Health Deadline 9 /8 /2020	Research on Transgender Health (R01)	This funding opportunity announcement (FOA) calls for research on the health of transgender and gender nonconforming people of all ages, including both youth and adults who are questioning their gender identity and those individuals who are making or who have made a transition from being identified as one gender to the other. This group encompasses individuals whose gender identity differs from the sex on their original birth certificate or whose gender expression varies significantly from what is traditionally associated with or typical for that sex.	482
https://grants.nih.gov/grants/guide/pa-files/PA-17-478.html			
National Institutes of Health Deadline 9 /8 /2020	Research on the Health of Transgender and Gender Nonconforming Populations (R21)	This funding opportunity announcement (FOA) calls for research on the health of transgender and gender nonconforming people of all ages, including both youth and adults who are questioning their gender identity and those individuals who are making or who have made a transition from being identified as one gender to the other. This group encompasses individuals whose gender identity differs from the sex on their original birth certificate or whose gender expression varies significantly from what is traditionally associated with or typical for that sex.	483
https://grants.nih.gov/grants/guide/pa-files/PA-17-477.html			

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute on Aging</p> <p>Deadline 9 /8 /2020</p>	<p>NIA MSTEM: Advancing Diversity in Aging Research through Undergraduate Education (R25)</p>	<p>The NIH Research Education Program (R25) supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The over-arching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs; (2) enhance the diversity of the biomedical, behavioral and clinical research workforce; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications.</p> <p>The over-arching goal of this NIA R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce in Medicine, Science, Technology, Engineering and Mathematics (MSTEM) as they relate to aging, through a focus on undergraduate experiences. The activities may include structured research experiences or activities aimed at social cohesion such as science clubs, and may include a mix of enriched academic year programs and summer experiences.</p>	<p>398</p>
<p>https://grants.nih.gov/grants/guide/pa-files/PAR-17-290.html</p>			
<p>National Institute on Deafness and Other Communication Disorders</p> <p>Deadline 10/28/2020</p>	<p>NIDCD Early Career Research(ECR) Award (R21 Clinical Trial Optional)</p>	<p>The NIDCD Early Career Research (ECR) Award (R21) is intended to support both basic and clinical research from scientists who are beginning to establish an independent research career. It cannot be used for thesis or dissertation research. The research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD: hearing, balance, smell, taste, voice, speech, or language. The NIDCD ECR Award R21 grant mechanism supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; translational research; outcomes research; and development of new research technology. Irrespective of the type of project, the intent of the NIDCD ECR Award R21 is for the Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) to obtain sufficient preliminary data for a subsequent R01 application.</p>	<p>578</p>
<p>https://grants.nih.gov/grants/guide/pa-files/PAR-18-487.html</p>			
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p>	<p>Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote</p>	<p>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 population groups that have been shown to be underrepresented in the biomedical, behavioral, or clinical research workforce, including underrepresented racial and ethnic groups and those with disabilities. 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.</p>	<p>655</p>
<p>https://grants.nih.gov/grants/guide/pa-files/PA-18-666.html</p>			

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institute on Deafness and Other Communication Disorders Deadline 1/8/2021 https://grants.nih.gov/grants/guide/pa-files/PAR-19-143.html	NIDCD Research Career Enhancement Award for Established Investigators (K18 Basic Experimental Studies with Humans)	The purpose of the NIDCD Research Career Enhancement Award for Established Investigators (K18) program is to enable established, proven investigators to augment or redirect their research programs through the acquisition of new research skills to answer questions relevant to the hearing, balance, smell, taste, voice, speech and language sciences.	916
National Institute of Diabetes and Kidney Diseases Deadline 1/8/2021 https://grants.nih.gov/grants/guide/pa-files/pa-18-330.html	Investigator-Initiated Clinical Trials Targeting Diseases within the Mission of NIDDK (R01Clinical Trial Required)	This Funding Opportunity Announcement (FOA) invites applications for investigator-initiated clinical trials within the mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) to be conducted at no more than two clinical research centers. NIDDK is committed to improving the health of people with diabetes and other endocrine and metabolic diseases; digestive diseases, nutritional disorders, and obesity; and kidney, urologic and hematologic diseases. Applications for clinical trials submitted under this FOA should be hypothesis driven, have clearly described aims and objectives, and have a high likelihood that the trial findings will improve understanding, diagnosis, prevention or treatment of the diseases studied and have the potential to impact clinical practice and/or public health.	864
National Institute of Nursing Research Deadline 1/8/2021 https://grants.nih.gov/grants/guide/pa-files/PA-17-461.html	Symptom Cluster Characterization in Chronic Conditions (R21)	The purpose of this initiative is to encourage preclinical and clinical research and secondary data analysis on symptom cluster characterization that has potential to inform treatment and interventions that improve functional outcomes and quality of life in patients with chronic conditions. Research objectives include, but are not limited to, the following: Phenotyping symptom clusters: 1) Assess similarities in symptom cluster phenotypes across chronic conditions, including symptom onset and changes over time; 2) Compare the number and types of symptom clusters across chronic conditions; 3) Determine phenotypic predictors for the development of a prespecified symptom cluster in patients with chronic conditions Mechanisms of symptom clusters: 1) Investigate the underlying genetic and epigenetic mechanisms for symptom clusters in chronic conditions 2) Investigate the pathophysiology that may contribute to symptom clusters in chronic conditions, 3) Develop or adapt computational models or statistical modeling to predict altered biological pathways within a symptom cluster that occur in a chronic condition Symptom cluster measurement: 1) Evaluate the use of large data sets and electronic health records to validate measurement or to predict symptom cluster onset in chronic conditions, 2) Evaluate the validity, reliability and responsiveness of PROMIS measures and common data elements (CDEs) in symptom cluster research pertaining to chronic conditions	475

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/pa-18-403.html</p>	<p>Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)</p>	<p>The NRSA program has been the primary means of supporting predoctoral and postdoctoral research training programs since enactment of the NRSA legislation in 1974. Research training activities can be in basic biomedical or clinical sciences, in behavioral or social sciences, in health services research, or in any other discipline relevant to the NIH mission.</p> <p>Institutional NRSA programs allow the Training Program Director/Principal Investigator (Training PD/PI) to select the trainees and develop a program of coursework, research experiences, and technical and/or professional skills development appropriate for the selected trainees. Each program should provide high-quality research training and offer opportunities in addition to conducting mentored research. The grant offsets the cost of stipends, tuition and fees, and training related expenses, including health insurance, for the appointed trainees in accordance with the approved NIH support levels.</p> <p>The objective of the Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (T32) program is to develop and/or enhance research training opportunities for individuals interested in careers in biomedical, behavioral and clinical research that are relevant to the NIH mission.</p>	<p>909</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-398.html</p>	<p>NIH Pathway to Independence Award (Parent K99/R00 - Independent Clinical Trial Not Allowed)</p>	<p>The purpose of the NIH Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented, NIH-supported, independent investigators. 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. 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. Applicants proposing a clinical trial or an ancillary study to an ongoing clinical trial as lead investigator, should apply to the companion FOA (PA-18-397).</p>	<p>804</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-489.html</p>	<p>NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)</p>	<p>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.</p>	<p>658</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institute on Aging	Alzheimer's Clinical Trials Consortium (ACTC) Clinical Trials (R01 Clinical Trial Required)	This Funding Opportunity Announcement (FOA) invites applications to develop and implement Phase I to III clinical trials of promising pharmacological and non-pharmacological interventions that may prevent, delay, or treat the symptoms of Alzheimer's disease (AD) and other age-related dementias using the Alzheimer's disease Clinical Trials Consortium (ACTC) trial coordination and management infrastructure.	606
Deadline	1 /8 /2021		
	https://grants.nih.gov/grants/guide/pa-files/PAR-18-513.html		
National Institutes of Health	Biobehavioral and Technological Interventions to Attenuate Cognitive Decline in Individuals with Cognitive	The purpose of this funding opportunity announcement (FOA) is to stimulate clinical research focused on biobehavioral or technological interventions to attenuate cognitive decline in individuals with dementia (such as Alzheimer's disease, Lewy body dementia, vascular dementia), mild cognitive impairment (MCI), or disease- or age-related cognitive decline. There is particular interest in interventions that can be implemented in community settings by the affected individual, informal caregivers, or others in the community. Research to inform the development of such interventions is also of interest, as well as research examining underlying mechanisms and biomarkers associated with response to interventions. It is anticipated that the results of this research will help affected individuals maintain independence and quality of life, improve their ability to perform activities of daily living (ADLs) and instrumental activities of daily living (IADLs), and additionally help to reduce stress, burden, and other poor outcomes in their caregivers.	588
Deadline	1 /8 /2021		
	https://grants.nih.gov/grants/guide/pa-files/PA-18-348.html		
National Institutes of Health	Biobehavioral and Technological Interventions to Attenuate Cognitive Decline in Individuals with Cognitive	The purpose of this funding opportunity announcement (FOA) is to stimulate clinical research focused on biobehavioral or technological interventions to attenuate cognitive decline in individuals with dementia (such as Alzheimer's disease, Lewy body dementia, vascular dementia), mild cognitive impairment (MCI), or disease- or age-related cognitive decline. There is particular interest in interventions that can be implemented in community settings by the affected individual, informal caregivers, or others in the community. Research to inform the development of such interventions is also of interest, as well as research examining underlying mechanisms and biomarkers associated with response to interventions. It is anticipated that the results of this research will help affected individuals maintain independence and quality of life, improve their ability to perform activities of daily living (ADLs) and instrumental activities of daily living (IADLs), and additionally help to reduce stress, burden, and other poor outcomes in their caregivers.	587
Deadline	1 /8 /2021		
	https://grants.nih.gov/grants/guide/pa-files/PA-18-348.html		
National Institute of Nursing Research	Community Partnerships to Advance Research (CPAR) (R21 Clinical Trial Optional)	This funding opportunity announcement (FOA) encourages researchers to partner with community groups, using Community Engaged Research (CEnR) methodologies that will enhance relationships and lead to better intervention development and positive health outcomes.	586
Deadline	1 /8 /2021		
	https://grants.nih.gov/grants/guide/pa-files/PA-18-381.html		

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute of Nursing Research</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-377.html</p>	<p>Community Partnerships to Advance Research (CPAR)</p>	<p>This funding opportunity announcement (FOA) encourages researchers to partner with communities using Community Engaged Research (CEnR) methodologies that will enhance relationships leading to better interventions and positive health outcomes.</p>	<p>385</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-376.html</p>	<p>Self-Management for Health in Chronic Conditions (R01 Clinical Trial Optional)</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to encourage research that seeks to build the science of self-management for health in chronic conditions. This FOA focuses on self-management as a mainstream science to reduce the burden of chronic illnesses/conditions.</p> <ul style="list-style-type: none"> - Examine the influence of quality of life, burden of care, culture, ethnicity, age, family, or socioeconomic status on self-management across chronic conditions - Determine whether age-, gender-, and ethnically-related motivational factors are associated with improved self-management of chronic conditions in children - Investigate how the multiple co-morbidities and disabilities associated with aging affect the types of self-management strategies chosen as well as the effectiveness of different approaches - Studies supporting the use of decision-support and personalized interventions to increase adherence to treatment - Developing research programs that advance work in genetic outcome assessment for self-management measures and optimal self-management health outcomes - Designing novel technologies and social media that assist in monitoring symptom status, promoting health behavior modifications, and accessing/imparting health information - Incorporating community engaged research methodologies to include the use of social media, wireless monitoring, and home evaluations for self-management - Predictive research on who will benefit from self-management strategies to achieve person-driven, goal-oriented activities and care that facilitate improved outcomes - Use of pragmatic clinical trial designs - Studies that incorporate resilience as it relates to self-management such as resilience factors throughout early childhood, adolescence, early adulthood, old age - Dissemination and implementation research focused on self-management - Develop behavioral interventions for use in varied clinical and community settings that test the effectiveness of self-management interventions for chronic conditions to reduce burden and disability, improve well-being, strengthen self-determination and participation in health care, and prevent illness and complications - Strategies that utilize the built environment in improving self-management in chronic conditions - Investigate intervention strategies that promote self-management across chronic conditions and their combinations in which they have not been adequately or previously tested - Determine the influence of established approaches to self-management across chronic conditions (examples: improved self-efficacy, cognitive strategies, social support, coping skills) 	<p>583</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institute on Deafness and Other Communication Disorders</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-334.html</p>	<p>NIDCD Clinical Trials in Communication Disorders (R01Clinical Trial Required)</p>	<p>The NIDCD is committed to identifying effective interventions for the diagnosis, prevention, or treatment of communication disorders by supporting well-designed and well-executed clinical trials. This funding opportunity announcement (FOA) supports investigator initiated low risk clinical trials addressing the mission and research interests of NIDCD. Clinical trials must meet ALL the following criteria: meet the budget limits of this FOA, not require FDA oversight, are not intended to formally establish efficacy and have low risks to potentially cause physical or psychological harm.</p> <p>It is advisable that only one clinical trial be proposed in each NIDCD Clinical Trials in Communication Disorders R01 application.</p> <p>High risk clinical trials not meeting all the criteria above are referred companion U01 FOA PAR-18-340, NIDCD Cooperative Agreement for Clinical Trials in Communication Disorders.</p>	<p>560</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PAR-18-324.html</p>	<p>Testing Interventions for Health-Enhancing Physical Activity (R01 - Clinical Trial Optional)</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to fund highly innovative and promising research that tests multi-level physical activity intervention programs acting on at least two levels of the socio-ecological model and designed to increase health-enhancing physical activity: 1) in persons or groups that can benefit from such activity; and 2) that could be made scalable and sustainable for broad use across the nation. This FOA provides support for up to 5 years for research planning, intervention delivery, and follow-up activities.</p>	<p>529</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-17-306.html</p>	<p>Testing Interventions for Health-Enhancing Physical Activity (R01 - Clinical Trial Optional)</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to fund highly innovative and promising research that tests multi-level physical activity intervention programs acting on at least two levels of the socio-ecological model and designed to increase health-enhancing physical activity: 1) in persons or groups that can benefit from such activity; and 2) that could be made scalable and sustainable for broad use across the nation. This FOA provides support for up to 5 years for research planning, intervention delivery, and follow-up activities.</p>	<p>503</p>
<p>National Institute of Nursing Research</p> <p>Deadline 1 /8 /2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-17-462.html</p>	<p>Symptom Cluster Characterization in Chronic Conditions (R01)</p>	<p>The purpose of this initiative is to encourage preclinical and clinical research and secondary data analysis on symptom cluster characterization that has potential to inform treatment and interventions that improve functional outcomes and quality of life in patients with chronic conditions.</p> <p>Research objectives include, but are not limited to, the following:</p> <p>Phenotyping symptom clusters: 1) Assess similarities in symptom cluster phenotypes across chronic conditions, including symptom onset and changes over time; 2) Compare the number and types of symptom clusters across chronic conditions; 3) Determine phenotypic predictors for the development of a prespecified symptom cluster in patients with chronic conditions</p> <p>Mechanisms of symptom clusters: 1) Investigate the underlying genetic and epigenetic mechanisms for symptom clusters in chronic conditions</p> <p>2) Investigate the pathophysiology that may contribute to symptom clusters in chronic conditions, 3) Develop or adapt computational models or statistical modeling to predict altered biological pathways within a symptom cluster that occur in a chronic condition</p> <p>Symptom cluster measurement: 1) Evaluate the use of large data sets and electronic health records to validate measurement or to predict symptom cluster onset in chronic conditions, 2) Evaluate the validity, reliability and responsiveness of PROMIS measures and common data elements (CDEs) in symptom cluster research pertaining to chronic conditions</p>	<p>474</p>
<p>National Institute on Aging</p> <p>Deadline 1 /26/2021</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-749.html</p>	<p>Examining Diversity, Recruitment and Retention in Aging Research (R24 Clinical Trial Not Allowed)</p>	<p>This funding opportunity announcement encourages collaborative teams to target gaps in methods and outcomes regarding research participant recruitment and retention. The team approach encouraged by this initiative will be used to generate a research resource to advance processes for high yield recruitment, formulate breakthrough ideas, concepts and approaches to research participant recruitment and retention, strengthen outreach and community engagement practices, and devise improved communication strategies. Teams will demonstrate the success of these improvements by engaging a large diverse population. The primary outcome will be the development of a population of diverse community members ready to engage in NIA funded clinical research studies.</p> <p>Standard due dates apply; LOI due 30 days prior to application due date.</p>	<p>710</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 5 /8 /2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-409.html	Research Grants Using the Resources from the Osteoarthritis Initiative (OAI) (R01 Clinical Trial Not Allowed)	This Funding Opportunity Announcement (FOA) encourages applications for research awards that are focused on the use of the Osteoarthritis Initiative (OAI) database, clinical data and images. This FOA seeks to expand the use of these resources by investigators in the broader research community. The publication of this FOA to the research community indicates to investigators and peer reviewers the importance that the NIAMS and others have placed on the use of the OAI resources.	531
National Institutes of Health Deadline 5 /8 /2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-408.html	Research Grants Using the Resources from the Osteoarthritis Initiative (OAI) (R21 Clinical Trial Not Allowed)	This Funding Opportunity Announcement (FOA) encourages applications for research awards that are focused on the use of the Osteoarthritis Initiative (OAI) database, clinical data and images. This FOA seeks to expand the use of these resources by investigators in the broader research community. The publication of this FOA to the research community indicates to investigators and peer reviewers the importance that the NIAMS and others have placed on the use of the OAI resources.	530
National Institutes of Health Deadline 5 /8 /2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-409.html	Research Grants Using the Resources from the Osteoarthritis Initiative (OAI) (R01)	This Funding Opportunity Announcement (FOA) encourages applications for research awards that are focused on the use of the Osteoarthritis Initiative (OAI) database, clinical data and images. This FOA seeks to expand the use of these resources by investigators in the broader research community. The publication of this FOA to the research community indicates to investigators and peer reviewers the importance that the NIAMS and others have placed on the use of the OAI resources.	523
National Institutes of Health Deadline 5 /8 /2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-408.html	Research Grants Using the Resources from the Osteoarthritis Initiative (OAI)(R21)	This Funding Opportunity Announcement (FOA) encourages applications for research awards that are focused on the use of the Osteoarthritis Initiative (OAI) database, clinical data and images. This FOA seeks to expand the use of these resources by investigators in the broader research community. The publication of this FOA to the research community indicates to investigators and peer reviewers the importance that the NIAMS and others have placed on the use of the OAI resources.	522
National Institutes of Health Deadline 5 /8 /2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-720.html	Exploratory/Developmental Clinical Research Grants in Obesity (R21 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) encourages research grant applications from institutions/organizations that propose to conduct exploratory/developmental clinical studies that will accelerate the development of effective interventions for prevention or treatment of overweight or obesity in adults and/or children. Exploratory epidemiological research with a goal of informing translational/clinical research will also be supported within this program.	686

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 9/8/2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-877.html	Early Stage Clinical Trials for the Spectrum of Alzheimer's Disease and Age-related Cognitive Decline (R01)	The purpose of this Funding Opportunity Announcement (FOA) is 1) to invite applications that propose to develop and implement early stage (Phase I or II) clinical trials of promising pharmacological and non-pharmacological interventions in individuals with age-related cognitive decline and in individuals with Alzheimer's disease (AD) across the spectrum from pre-symptomatic to more severe stages of disease, and 2) to stimulate studies to enhance trial design and methods.	763
National Institutes of Health Deadline 9/8/2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-849.html	Prevention Research in Mid-Life Adults (R01 Clinical Trial Optional)	This Funding Opportunity Announcement (FOA) seeks to stimulate research on mid-life adults (those 50 to 64 years of age) that can inform efforts to optimize health and well-being as individuals age and prevent illness and disability in later years.	752
National Institutes of Health Deadline 9/8/2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-856.html	Diet and Physical Activity Assessment Methodology (R01 Clinical Trial Not Allowed)	This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted to this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.	750
National Institutes of Health Deadline 9/8/2021 https://grants.nih.gov/grants/guide/pa-files/PA-18-857.html	Diet and Physical Activity Assessment Methodology (R21 Clinical Trial Not Allowed)	This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted to this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.	751

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-19-091.html</p>	<p>NIH Research Project Grant (Parent R01 Basic Experimental Studies with Humans Required)</p>	<p>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. Studies conducted with specific applications toward processes or products in mind should submit under the appropriate ‘Clinical Trials Required’ or ‘Clinical Trial Optional’ FOA.</p>	<p>915</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-19-092.html</p>	<p>NIH Exploratory/Developmental Research Grant Program (Parent R21 Basic Experimental Studies with Humans</p>	<p>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. Studies conducted with specific applications toward processes or products in mind should submit under the appropriate ‘Clinical Trials Required’ or ‘Clinical Trial Optional’ FOA.</p>	<p>914</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-939.html</p>	<p>Research on Chronic Overlapping Pain Conditions (R21 Clinical Trial Not Allowed)</p>	<p>The purpose of this Funding Opportunity Announcement (FOA) is to encourage epidemiological, clinical and translational research that will increase our understanding of the natural history, prevalence, biological mechanisms, psychological variables, and clinical risk factors responsible for the presence of multiple chronic pain conditions in people with pain. Recent clinical findings suggest that substantial overlap may exist between chronic pain conditions. Individuals diagnosed with one disorder often exhibit characteristics of additional chronic painful conditions or transition to other diagnostic categories. A better understanding is needed of the prevalence of overlapping pain conditions, the underlying etiologies, the progression of these conditions, the evolution of these overlaps, and the therapeutic approaches best suited for treating subjects with these conditions. The main objective of this FOA is the formation of research groups with interests bridging expertise in pain mechanisms with translational and clinical expertise to address important unresolved questions about overlapping pain conditions. Applicants are encouraged to leverage existing and develop new resources pertinent to the study of these conditions. Applicants are encouraged to include researchers with complementary expertise from outside the pain field in their research teams who will enhance the breadth of research and understanding of comorbid chronic pain conditions.</p>	<p>817</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institutes of Health Deadline 1 /8 /2022	Research on Chronic Overlapping Pain Conditions (R01 Clinical Trial Optional)	The purpose of this Funding Opportunity Announcement (FOA) is to encourage epidemiological, clinical and translational research that will increase our understanding of the natural history, prevalence, biological mechanisms, psychological variables, and clinical risk factors responsible for the presence of multiple chronic pain conditions in people with pain. Recent clinical findings suggest that substantial overlap may exist between chronic pain conditions. Individuals diagnosed with one disorder often exhibit characteristics of additional chronic painful conditions or transition to other diagnostic categories. A better understanding is needed of the prevalence of overlapping pain conditions, the underlying etiologies, the progression of these conditions, the evolution of these overlaps, and the therapeutic approaches best suited for treating subjects with these conditions. The main objective of this FOA is the formation of research groups with interests bridging expertise in pain mechanisms with translational and clinical expertise to address important unresolved questions about overlapping pain conditions. Applicants are encouraged to leverage existing and develop new resources pertinent to the study of these conditions. Applicants are encouraged to include researchers with complementary expertise from outside the pain field in their research teams who will enhance the breadth of research and understanding of comorbid chronic pain conditions.	818
https://grants.nih.gov/grants/guide/pa-files/PA-18-937.html			
National Institutes of Health Deadline 1 /8 /2022	Biobehavioral Basis of Chronic Pain (R01 Clinical Trial Optional)	The purpose of the Funding Opportunity Announcement is to encourage grant applications from the scientific community on the biobehavioral basis of chronic pain. The focus encompasses the individual phenotype, genotype, and other omic-type assessments and the associated sensory and emotional components that underpin the individual's chronic pain experience. Research relating biology and behavior is needed to better define the individual-specific burden of chronic pain and to better understand the mechanisms underlying differences in pain experiences among individuals afflicted with the same chronic illness.	824
https://grants.nih.gov/grants/guide/pa-files/PA-18-944.html			
National Institutes of Health Deadline 1 /8 /2022	NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Required)	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 requires that at least 1 clinical trial be proposed. 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. Applicants should note that some ICs (see Related Notices) only accept applications proposing mechanistic studies that meet NIH's definition of a clinical trial through this funding opportunity announcement.	881
https://grants.nih.gov/grants/guide/pa-files/PA-19-054.html			

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-943.html</p>	<p>Biobehavioral Basis of Chronic Pain (R21 Clinical Trial Optional)</p>	<p>The purpose of the Funding Opportunity Announcement is to encourage grant applications from the scientific community on the biobehavioral basis of chronic pain. The focus encompasses the individual phenotype, genotype, and other omic-type assessments and the associated sensory and emotional components that underpin the individual's chronic pain experience. Research relating biology and behavior is needed to better define the individual-specific burden of chronic pain and to better understand the mechanisms underlying differences in pain experiences among individuals afflicted with the same chronic illness.</p>	<p>823</p>
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-946.html</p>	<p>Applying a Biopsychosocial Perspective to Self-Management of Chronic Pain (R21 Clinical Trial Optional)</p>	<p>The purpose of the Funding Opportunity announcement is to encourage grant applications from the scientific community on applying a biopsychosocial perspective to self-management of chronic pain.</p> <p>For the condition of chronic pain, meaning pain that persists past the expected healing time, opioid therapy is often the treatment of choice. The awareness, however, of the unintended consequences of prescription opioids, e.g., opioid use disorder and overdose, as well lack of evidence of long-term benefits of opioids, contributed to the 2016 CDC guidance that nonpharmacologic therapy and nonopioid pharmacologic therapy are preferred for chronic pain. Yet the evidence base for effective, nonpharmacologic options is inadequate, while opioid prescriptions remain high. For the 25 million Americans who suffer each day from chronic pain, such realities underscore the critical need to accelerate research that can benefit this population.</p> <p>As described in the literature, chronic pain is a highly personal symptom, and physical signs are not universally present. A biopsychosocial model of chronic pain is aligned with these descriptors, as it recognizes that in addition to a physiologic cause, pain perception and the biobehavioral response to pain are significant contributing factors.</p>	<p>825</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
<p>National Institutes of Health</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-18-945.html</p>	<p>Applying a Biopsychosocial Perspective to Self-Management of Chronic Pain (R01 Clinical Trial Optional)</p>	<p>The purpose of the Funding Opportunity announcement is to encourage grant applications from the scientific community on applying a biopsychosocial perspective to self-management of chronic pain.</p> <p>Research Objectives include, but are not limited to, those that:</p> <ul style="list-style-type: none"> - Adapt integrative models of care that address the psychological and social influences on optimal self-management of chronic pain - Assess the effect of biopsychosocial approaches to self-manage chronic pain on non-pain domains such as sleep, cognition and functional activities of daily living - Adapt or develop technological tools that can improve psychological and social well-being, e.g., by reducing social isolation, in order to promote self-management of chronic pain - Identify psychosocial barriers to chronic pain self-management in disparate populations, including populations at-risk for undertreatment of chronic pain - Conceive models of biopsychosocial predictors of chronic pain that can inform self-management strategies - Tailor biopsychosocial-centered approaches to chronic pain that emphasize self-management as care rather than cure 	<p>826</p>
<p>National Institute of Nursing Research</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-19-023.html</p>	<p>Addressing Caregiver Symptoms through Technological Tools (R01 Clinical Trial Optional)</p>	<p>The purpose of the Funding Opportunity announcement is to encourage grant applications from the scientific community that develop and test tools to address symptoms in caregivers. The key to this announcement is the focus on the caregiver, regardless of patient symptoms or conditions. Research is needed to enhance symptom recognition and assessment in caregivers, and to promote technological strategies to alleviate distress in caregiver symptoms. These studies are needed to advance the science related to caregiver experience of symptoms, caregiving contexts that promote these symptoms, and viable tools to address the symptoms experienced by caregivers.</p>	<p>842</p>
<p>National Institute of Nursing Research</p> <p>Deadline 1 /8 /2022</p> <p>https://grants.nih.gov/grants/guide/pa-files/PA-19-024.html</p>	<p>Addressing Caregiver Symptoms through Technological Tools (R21 Clinical Trial Optional)</p>	<p>The purpose of the Funding Opportunity announcement is to encourage grant applications from the scientific community that develop and test tools to address symptoms in caregivers. The key to this announcement is the focus on the caregiver, regardless of patient symptoms or conditions. Research is needed to enhance symptom recognition and assessment in caregivers, and to promote technological strategies to alleviate distress in caregiver symptoms. These studies are needed to advance the science related to caregiver experience of symptoms, caregiving contexts that promote these symptoms, and viable tools to address the symptoms experienced by caregivers.</p>	<p>843</p>

Sponsor	Name of Program	Brief Description	Opportunity ID
National Institute on Deafness and Other Communication Disorders	Advancing Research in Augmentative and Alternative Communication (AAC) (R01 Clinical Trial Optional)	This funding opportunity announcement (FOA) seeks Research Project Grants (R01) applications on Augmentative and Alternative Communication (AAC) to advance our scientific knowledge in the evaluation and treatment of individuals with severe speech and physical impairments (SSPI). AAC is a set of tools and strategies that an individual uses to solve everyday communicative challenges. This FOA is for R01s only and encourages a range of research inclusive of basic, clinical, and translational.	860
Deadline 1 / 8 / 2022			
		https://grants.nih.gov/grants/guide/pa-files/PA-19-047.html	
National Institutes of Health	Development and Optimization of Tasks and Measures for Functional Domains of Behavior (R01 Clinical Trial Not Allowed)	The purpose of this Funding Opportunity Announcement (FOA) is to support the development and optimization of tasks and/or measures for constructs pertaining to functional aspects of behavior or cognitive/affective processes, for use in laboratory or population-based studies, clinical trials outcomes, or related research. This FOA encourages research that will result in the availability of tasks and measures that demonstrate: (1) good validity as a measure of a specific construct; (2) robust measurement properties; and (3) suitability for use across diverse participants.	865
Deadline 1 / 8 / 2022			
		https://grants.nih.gov/grants/guide/pa-files/PAR-18-930.html	
National Institutes of Health	Research Project Grant (Parent R01 Clinical Trial Required)	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 requires that at least 1 clinical trial be proposed. 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.	895
Deadline 1 / 8 / 2022			
		https://grants.nih.gov/grants/guide/pa-files/pa-19-055.html	
National Institutes of Health	NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)	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.	880
Deadline 1 / 8 / 2022			
		https://grants.nih.gov/grants/guide/pa-files/PA-19-053.html	
National Institutes of Health	Research Project Grant (Parent R01 Clinical Trial Required)	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 requires that at least 1 clinical trial be proposed. 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. Applicants should note that some ICs (see Related Notices) only accept applications proposing mechanistic studies that meet NIH's definition of a clinical trial through this funding opportunity announcement.	879
Deadline 1 / 8 / 2022			
		https://grants.nih.gov/grants/guide/pa-files/PA-19-055.html	

Total Number of Opportunities 90