

SPHHP Research Activities Newsletter

University at Buffalo

January 2019

IN THE NEWS

Congratulations to the Following Awardees!



Sarahmona Przybyla, Assistant Professor of Community Health and Health Behavior, and **Jessica Kruger**, Clinical Assistant Professor of Community Health and Health Behavior, received a new award from Columbia University, for the project entitled *Incarceration and Public Health*. The award will assist in developing and implementing a new undergraduate course that will use a public health lens to examine incarceration in the U.S. The course will investigate the system of incarceration, social and behavioral factors that contribute to incarceration, health problems that affect prisoners during incarceration and post incarceration, and community re-entry.



Zachary Schlader, Assistant Professor of Exercise and Nutrition Science, is PI on a continuation award from the Naval Sea Systems Command, for the project entitled *Hyperthermia and Hypohydration in a Disabled Pressurized Rescue Module*. The study will continue to examine the magnitude of increases in core body temperature or reductions in body fluids incurred in a warm and humid disabled Pressurized Rescue Module Scenario at sea level and at depth for up to 24 hours. **David Hostler**, Professor and Chair of Exercise and Nutrition Science, is Co-Investigator.

GRANT CLINIC

Reminder of NIH Policy Changes Effective January 25, 2019:

- [NOT-OD-18-116](#)

NIH Policy and Guidelines on the Inclusion of Individuals Across the Lifespan as Participants in Research Involving Human Subjects

Individuals of all ages are expected to be included in all NIH-defined clinical research unless there are scientific or ethical reasons not to include them. Applications for research involving human subjects must address the age-appropriate inclusion or exclusion of individuals in the Inclusion of Women, Minorities, and Children section of the proposed research project

- [NOT-OD-19-050](#)

NIH Implementation of the Final Rule on the Federal Policy for the Protection of Human Subjects

Several provisions in the Revised Common Rule resulted in changes to NIH policies and procedures. From an application submission perspective, the most notable changes are:

- ⇒ Changes to categories of research qualifying for exemptions ([FAQs](#))
- ⇒ Use of new exemptions 7 and 8, when applicable

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- [NOT-OD-18-228](#) (Research); [NOT-OD-18-229](#) (Career Development); [NOT-OD-18-227](#) (Fellowship)

Review Criteria Updates

NIH has updated review criteria addressing rigor of prior research (formerly scientific premise); inclusion reporting and requirements; and protections for human subjects. Recently published opportunities have the updated review criteria in the body of the announcement. Opportunities posted prior to the change have a link to the notice containing updated criteria at the top of the Application Review Information section.

- NIH has [updated application instructions, including](#) clarifications and policy updates (see [Significant Changes](#)).

NIH Institutes' Notices

[NOT-OD-19-053](#)

NIH Policy for Reviewing and Resubmission of New Investigators R01 Applications

NIH has allowed New Investigators (NI) the option of submitting R01 A1 resubmission applications for consecutive review cycles. Due to low utilization of this policy, NIH has eliminated next round resubmissions. NIH has prioritized funding meritorious R01 applications. Starting with R01 applications submitted for due dates on or after January 25, 2019:

- NI R01 applications will be reviewed on the same timeline as other applications submitted to the same FOA.
- NI R01 applications will be clustered together for review within a meeting.
- Summary statements for all NI R01 applications will be prioritized: to the extent possible, they will be released before summary statements for other applications reviewed in the same meeting.
- In general, summary statements will be available no later than 30 days before council.
- A1 resubmission of NI R01 applications will be accepted on the resubmission due date of any Program Announcement (PA, PAR, or PAS), both standard and special due dates, that accepts resubmission applications. See the [NIH Resubmission Policy](#) for requirements and instructions.

[NOT-OD-19-055](#)

Removal of the Requirement for Institutional Review Board Review of NIH Grant Applications and Contract Proposals Related to Research

Effective January 21, 2019, NIH will no longer require IRB review of the entire grant application or contract proposal. However, grantees and offerors will be required to certify to NIH that an IRB has reviewed and approved all NIH-supported non-exempt human subjects research (i.e., protocols) and further provide NIH with the date of final IRB approval. The only change to NIH policy is that IRB review is no longer required for NIH grant applications and contract proposals. The certification and IRB date requirements align with current policy and Just-in-Time procedures.

[NOT-OD-19-040](#)

Notice of Interest in Long-term Maintenance of Behavior Change Research

NIH encourages research into maintenance of health behavior change. Testing for behavior change maintenance often requires longer-term follow-up than what is achievable within a single NIH R01 grant timeframe. The NIH Institutes (NCI, NIDA, NIMHD and OBSSR) are expressly interested in competitive renewal (type 2) applications that propose continued research with participants from a previously-funded behavioral intervention to see if and how behaviors were maintained. Ideas for unique approaches using other types of NIH research mechanisms are welcome. For further information, including areas applicants are encouraged to explore, please see the NIH notice.

[NOT-DK-19-007](#)

Notice of Special Interest in Understanding Factors in Infancy and Early Childhood (Birth to 24 months) that Influence Obesity Development

NIDDK, NICHD, NIMHD, and OBSSR seek applications that address understanding factors in infancy and early childhood that influence the development of obesity. Please see the NIH Notice for details on research objectives. Applications in response to this special interest must submit an application through the NIH Parent Announcement [PA-19-056](#) or [PA-18-330](#). The latter should be used for studies that incorporate mechanistic trials. Submissions should indicate that they are in response to NOT-DK-19-007 in Field 4.b on the SF424 form.

[NOT-DA-18-049](#)

Notice of Additional Funds Available for PAS-18-625, "Mechanistic Interventions of Psychological Stress Effects on Opioid Use Patterns"

An additional \$1.25 million have been made available for fiscal year 2020 for the above FOA. Previously, NIH intended to fund awards through 2019.

[NOT-NS-19-023](#)

Reinstatement of NIH SBIR Direct-to-Phase II Authority and Associated Updates to PA-18-705

Recent legislation re-instated the SBIR Direct Phase II through fiscal year 2022. This legislation authorizes NIH to issue a Phase II award to a small business concern that did not receive a Phase I award for the research/research & development. As a result, NIH does not need to issue separate SBIR Direct-to-Phase II FOAs as before, but can offer Direct-to-Phase II as an allowable application type on any SBIR FOA.

NIH Institutes' Requests for Information

[NOT-DA-19-015](#)

Inviting Comments on the NIDA Strategic Plan for Research at the Intersection of HIV/AIDS and Substance Use, Misuse and Addiction

NIDA invites input in high priority research areas that emerged from two workshops; one focused on basic science, and one focused on clinical research related to HIV/AIDS and substance use. Please refer to the Notice for these areas, as well as topics which NIH is seeking comment on. Responses should be sent to NIDAHIVStrategicPlan@nida.nih.gov by **January 25, 2019**.

[NOT-OD-19-028](#)

Input on Draft Report from Working Group on Reducing Administrative Burden to Researchers for Animal Care and Use in Research

Input is sought on the draft report and the proposed recommendations to reduce the administrative burden associated with research activities with laboratory animals while maintaining appropriate protections and scientific integrity. The draft report is available at https://olaw.nih.gov/sites/default/files/21CCA_draft_report.pdf. All responses must be submitted electronically at [RFI Draft Report](#) by **February 5, 2019**.

[NOT-OD-19-032](#)

Input on Revised Definition of Behavioral and Social Sciences Research (BSSR) at NIH

Based on input from the 2017 to 2022 strategic planning process, the Office of BSSR has drafted a working definition of what constitutes Behavioral and Social Sciences Research. Please refer to the NIH notice for the updated definition. NIH seeks comments on: 1.) whether the working definition is clear; 2.) how well does it capture the full range of health-related BSSR; and 3.) how well does the definition distinguish BSSR from other disciplines of research. Responses must be submitted through OBSSR's crowdsourcing IdeaScale website, <https://obsr.ideascale.com/>, by **February 22, 2019**.

Notices of Intent to Publish a Funding Opportunity Announcement

[NOT-DA-19-060](#)

Quantification of Drugs of Abuse and Related Substances in Biological Specimens; anticipated January 2019; expected due date: March 2019

NIH FUNDING OPPORTUNITIES

LIMITED SUBMISSIONS

Prior approval from UB is required for the following funding opportunities. If you are interested in applying to any of the **limited submissions** listed below, please provide the OVPRED with notification through the [Limited Submissions Mailbox](#) at least 60 days prior to the sponsor's submission deadline before proceeding with an application. The limited submission program is managed by Dr. Kenneth Tramposch on behalf of the OVPRED. He may be contacted at kmt1@buffalo.edu or by phone at 645-3321 for any questions or advice about the limited submission process.

[PAR-19-037 \(T32\)](#)

Initiative for Maximizing Student Development (IMSD)

This FOA provides support to develop and implement effective, evidence-based approaches to biomedical training and mentoring that will keep pace with the rapid evolution of the research enterprise. NIGMS expects that the proposed research training programs will incorporate didactic, research, mentoring and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. This program is limited to applications from training programs at research-intensive institutions (i.e., those with a 3-year average of NIH NIH Research Project Grant funding equal to or above \$7.5 million total costs). *Only one application per institution is allowed.* **Application Due Date:** February 22, 2019; January 28, 2020; and January 28, 2021

[PAR-19-102 \(T32\)](#)

Graduate Research Training Initiative for Student Enhancement (G-RISE)

This FOA provides support to develop and implement effective, evidence-based approaches to biomedical training and mentoring that will keep pace with the rapid evolution of the research enterprise. NIGMS expects that the proposed programs will incorporate didactic, research, mentoring, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. *One application per institution is allowed.* **Application Due Dates:** May 21, 2019; May 21, 2020; May 21, 2021

[RFA-CA-19-007 \(UM1\)](#) – clinical trial required

The Experimental Therapeutics Clinical Trials Network

This FOA solicits applications from appropriate multidisciplinary groups that can assemble an appropriate infrastructure and conduct phase 0, phase 1, phase 2, pilot and other experimental therapeutics clinical trials involving agents for which the NCI's Division of Cancer Treatment and Diagnosis (DCTD), Cancer Therapy Evaluation Program (CTEP) received IND status. *Only one application per institution is allowed.* **Application Due Date:** May 22, 2019

[RFA-DK-18-020 \(P30\)](#)

Diabetes Research Centers

This FOA invites applications for Diabetes Research Centers that are designed to support and enhance the national research effort in diabetes, its complications, and related endocrine and metabolic diseases. General information about the NIDDK Diabetes Research Centers program may be found at www.diabetescenters.org. *Only one application per institution is allowed.* **Application Due Date:** June 20, 2019

[PAR-19-072 \(R01\)](#) – clinical trial optional

Data Science Research: Personal Health Libraries for Consumers and Patients

The National Library of Medicine seeks applications for novel informatics and data science approaches that can help individuals gather, manage and use data and information about their personal health. A goal of this program is to advance research and application by patients and the research community through broadly sharing the results via publication, and through open source mechanisms for data or resource sharing. *Only one application per institute is allowed.* **Application Due Dates:** July 31, 2019

NIH FUNDING OPPORTUNITIES

REQUESTS FOR APPLICATIONS (RFA)

The HEAL (Helping to End Addiction Long-term) Initiative is a new multi-pronged aggressive effort to speed scientific solutions to stem the national opioid public health crisis. As part of the HEAL Initiative, NIH seeks applications on a number of topics bulleted below.

- **Early Phase Pain Investigation Clinical Network (EPPIC-Net).** EPPIC-Net, the cornerstone of NIH's HEAL Partnership, will provide infrastructure for carrying-out in-depth phenotyping and biomarker studies in patients with specific pain conditions, and the rapid design and performance of high-quality Phase 2 clinical trials to test promising novel therapeutics for pain from partners in academia or industry. Studies will bring intense focus to patients with well-defined pain conditions and high-unmet therapeutic needs.

[RFA-NS-19-023 \(U24\)](#) – clinical trial not allowed

Clinical Coordinating Center

Application Due Date: February 6, 2019

[RFA-NS-19-025 \(U24\)](#) – clinical trial not allowed

Specialized Clinical Centers

Application Due Date: February 6, 2019

[RFA-NS-19-024 \(U24\)](#) – clinical trial not allowed

Data Coordinating Center

Application Due Date: February 6, 2019

- **Behavioral Research to Improve MAT.** These FOAs seek to examine the impact of behavioral and social interventions designed to improve adherence to Medication Assisted Treatment (MAT) for persons with Opioid Use Disorders (OUD).

[RFA-AT-19-006 \(R61/R33\)](#) – clinical trial optional

Behavioral and Social Interventions to Improve Adherence to Medication Assisted Treatment for Opioid Use Disorders

Application Due Date: February 8, 2019

- **Pragmatic or Implementation Studies.** The overall goal of this initiative is to support the "real world" assessment of health care strategies and clinical practices and procedures in health care systems that may lead to improved pain management along with a reduction in unnecessary opioid prescribing.

[RFA-AT-19-004 \(UG3/UH3\)](#) – clinical trial optional
Pragmatic and Implementation Studies for the Management of Pain to Reduce Opioid Prescribing (PRISM)

Application Due Date: February 8, 2019

[RFA-AT-19-005 \(UG3/UH3\)](#) – clinical trial required
Pragmatic Randomized Controlled Trial of Acupuncture for Management of Chronic Low Back Pain in Older Adults

Application Due Date: March 15, 2019

- **Justice Community Opioid Innovation Network (JCOIN).** The purpose of this network is to establish a national consortium of investigators examining promising interventions and other approaches that can improve the capacity of the justice system to effectively respond to the opioid epidemic.

[RFA-DA-19-023 \(U2C\)](#) – clinical trial not allowed
Methodology and Advanced Analytics Resource Center

Application Due Date: February 27, 2019

[RFA-DA-19-025 \(UG1\)](#) – clinical trial optional
Clinical Research Centers

Application Due Date: February 27, 2019

[RFA-DA-19-024 \(U2C\)](#) – clinical trial optional
Coordination and Translation Center

Application Due Date: February 27, 2019

- **NIH Back Pain Consortium (BACPAC) Research Program.** BACPAC is a patient-centric research program focused on translational and clinical research for discovery of chronic low back pain (cLBP) mechanisms, and on identification and testing of new interventions targeted to individual patients.

[RFA-AR-19-029 \(UG3/UH3\)](#) – clinical trial required
Phase 2 Clinical Trials

Application Due Date: February 26, 2019

[RFA-AR-19-028 \(UH2/UH3\)](#) – clinical trial optional
Research Program Technology Research Sites

Application Due: March 20, 2019

[RFA-AR-19-026 \(U19\)](#) – clinical trial optional
Mechanistic Research Centers

Application Due: March 20, 2019

[RFA-AR-19-027 \(U24\)](#) – clinical trial not allowed
Research Program Data Integration, Algorithm Development and Operations Management Center

Application Due: March 20, 2019

- **Preventing Opioid Use Disorder in Older Adolescents and Young Adults.** NIDA seeks cooperative agreements to support its initiative focused on establishing the evidence base for interventions and strategies to prevent initiation of opioid misuse and development of Opioid Use Disorder (OUD) aimed at older adolescents and young adults (ages 16-30).

[RFA-DA-19-034 \(U24\)](#) – clinical trial not allowed
Coordinating Center

Application Due Date: March 13, 2019

[RFA-DA-19-035 \(UG3/UH3\)](#) – clinical trial required
Research Grants

Application Due Date: March 13, 2019

- **SBIR/STTR Grant Program.** These FOAs invite applications from US small business concerns to develop technologies to provide science-and research-based solutions to the opioid emergency.

[RFA-DA-19-019 \(R43/R44\)](#) – clinical trial optional

[RFA-DA-19-020 \(R41/R42\)](#) – clinical trial optional

America's Startups and Small Businesses Build Technologies to Stop the Opioid Crisis

Application Due Dates: April 9, 2019, September 8, 2019, April 9, 2020, September 8, 2020, April 9, 2021, September 8, 2021

Note: All of the previous bulleted topics are contained in the HEAL Initiative

March Due Dates

[RFA-AT-19-008 \(R01\)](#); [RFA-AT-19-009 \(R21\)](#) – clinical trial optional

Exploring the Mechanisms Underlying Analgesic Properties of Minor Cannabinoids and Terpenes

These FOAs support highly innovative basic and/or mechanistic studies in appropriate model organisms and/or human subjects aiming to identify, describe and determine whether minor cannabinoids and/or terpenes can help treat pain.

Application Due Date: March 15, 2019

[RFA-DA-19-022 \(R41/R42\)](#) – clinical trial optional

Mobile Technologies Extending Reach of Primary Care for Substance-Use-Disorders

This FOA seeks applications to develop and test a prototype mobile/tablet technology-based application suitable for U.S. primary care settings, to serve as a low-cost user-friendly tool that primary care providers (PCPs) may use to deliver timely tailored feedback to patients following up on interventions for risky substance use.

Application Due Date: March 19, 2019

[RFA-DA-19-032 \(R41/R42\)](#); [RFA-DA-19-033 \(R43/R44\)](#) – clinical trial optional

Virtual Reality Tools to Enhance Evidence Based Treatment of Substance Use Disorders

The purpose of these FOAs is to develop and evaluate Virtual Reality (VR) enhanced technologies that will support SUD treatment and recovery, provide treatment alternatives for chronic pain, or serve as next generation Clinical Research Tools which leverage data from the VR experience and identify digital markers that model SUD and comorbid mental illness disorders. **Application Due Dates:** March 20, 2019

[RFA-DK-18-008 \(U01\)](#) – clinical trial not allowed

Type 1 Diabetes TrialNet Clinical Network Hub

This FOA invites applications to fund continuation of the Type 1 Diabetes TrialNet Clinical Network Hub (HUB), a screening and clinical activities coordination unit. The main objective of the HUB is to develop creative approaches to screening, recruitment, and trial implementation, and to increase the operational efficiency and flexibility of the TrialNet network. **Application Due Date:** March 21, 2019

April Due Dates

[RFA-AA-19-002 \(P01\)](#) – clinical trial optional

Alcohol-HIV/AIDS Program Project

NIAAA solicits research that can be translated into interventions in order to reduce infection and transmission of HIV in patients with alcohol use disorders. **Application Due Date:** April 16, 2019

[RFA-AA-19-003 \(P60\)](#) – clinical trial optional

Comprehensive Alcohol-HIV/AIDS Research Center

This FOA seeks research applications aimed to address the impact of alcohol use on the most important challenges for ending HIV/AIDS pandemic, outlined as the [high priority topics of research](#) by the NIH Office of AIDS Research. In particular, bench-to-bedside translational studies of alcohol use as a risk factor impacting HIV prevention, latency, treatment effectiveness, and HIV-related comorbidities are strongly encouraged. **Application Due Date:** April 16, 2019

May Due Dates

[RFA-OD-19-011 \(T32\)](#)

Predocutorial Training in Advanced Data Analytics for Behavioral and Social Sciences Research (BSSR) - Institutional Research Training Program

The vision of the Advanced Data Analytics for BSSR training program is to support the development of a cohort of specialized predoctoral candidates who will possess advanced competencies in data science analytics to apply to an increasingly complex landscape of behavioral and social health-related big data. **Application Due Date:** May 25, 2019

Multiple Due Dates

[RFA-NS-18-043 \(R01\)](#); [RFA-NS-18-042 \(R21\)](#) – clinical trial not allowed

Discovery and Validation of Novel Targets for Safe and Effective Pain Treatment

These FOAs promote the discovery and validation of novel therapeutic targets to facilitate the development of pain therapeutics. Specifically, the focus 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.

Application Due Dates: February 11, 2019; July 11, 2019; November 12, 2019

[RFA-HL-19-025 \(K01\)](#) – clinical trial required; [RFA-HL-19-026 \(K01\)](#) – clinical trial not allowed

Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research

Applications are invited to enhance the pool of highly trained investigators from diverse backgrounds, including those from groups underrepresented in research areas of interest to the NHLBI. These FOAs are targeted toward individuals whose basic, clinical, and translational research interests are grounded in the advanced methods and experimental approaches needed to solve problems related to cardiovascular, pulmonary, and hematologic diseases and sleep disorders in the general and health disparities populations. **Application Due Dates:** February 11, 2019, October 10, 2019, February 11, 2020, October 9, 2020, February 11, 2021

[RFA-HL-17-022 \(R21\)](#)

Maximizing the Scientific Value of the NHLBI Biorepository: Scientific Opportunities for Exploratory Research

This FOA will support meritorious exploratory research relevant to the [NHLBI mission](#) using the existing biospecimen collections that are stored in the NHLBI Biologic Specimen Repository, thereby maximizing the scientific value of the stored collections and providing researchers with an opportunity to generate preliminary data for subsequent research proposals. **Application Due Dates:** February 15, 2019; October 17, 2019

[RFA-HL-19-024 \(R25\)](#) – clinical trial not allowed

Short-Term Research Education Program to Increase Diversity in Health-Related Research

The over-arching goal of this program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce by providing research experiences and related opportunities that enrich the pool of individuals from nationally underrepresented groups who will be available to compete for research opportunities in the mission areas of importance to NHLBI. **Application Due Dates:** February 26, 2019, September 10, 2019, February 26, 2020, September 10, 2020, February 26, 2021

[RFA-NS-18-046 \(R61/R33\)](#) – clinical trial optional

Analytical and/or Clinical Validation of a Candidate Biomarker for Pain

The goal of this FOA is to facilitate the advancement of robust and reliable biomarkers, biomarker signatures and endpoints of pain to application in clinical trials (Phase II clinical trials and beyond) and in the spectrum of clinical practice. **Application Due Dates:** March 7, 2019; November 25, 2019; March 12, 2020

[RFA-CA-19-019 \(R21\)](#) – clinical trial not allowed

Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research

The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology.

Application Due Dates: March 7, 2019; May 28, 2019; September 27, 2019

[RFA-CA-19-020 \(R33\)](#) – clinical trial not allowed

Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research

This FOA solicits applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still requires further development and rigorous validation to encourage adoption by the research community. **Application Due Dates:** March 7, 2019; May 28, 2019; September 27, 2019

[RFA-CA-19-021 \(R21\)](#) – clinical trial not allowed

Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research

This FOA solicits applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and handling under diverse conditions.

Application Due Dates: March 7, 2019; May 28, 2019; September 27, 2019

[RFA-CA-19-022 \(R33\)](#) – clinical trial not allowed

Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research

This FOA solicits applications proposing exploratory research projects focused on further development and validation of emerging technologies that improve the quality of the samples used for cancer research or clinical care. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses.

Application Due Dates: March 7, 2019; May 28, 2019; September 27, 2019

[RFA-CA-19-033 \(U01\)](#) – clinical trial required

Improving Outcomes for Pediatric, Adolescent and Young Adult Cancer Survivors

This FOA requests applications from investigators to develop and test interventions that prevent, mitigate or manage adverse outcomes in pediatric and/or AYA cancer survivors and/or evaluate models of care that strengthen coordination, continuity, and quality, or that reduce access barriers to needed services including follow-up care, and that improve outcomes across the survivor's lifespan. Development of interventions to address disparities in outcomes and/or access to needed care, and to address the needs of minority or medically underserved pediatric and/or AYA populations is of high priority. **Application Due Dates:** March 15, 2019; January 3, 2020

[RFA-HL-19-016 \(R43\)](#) – clinical trial not allowed

Technologies for Healthy Independent Living for Heart, Lung, Blood and Sleep Disorders

This FOA seeks applications for the design and development of technologies to monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way for older adults with a chronic heart, lung, blood, or sleep (HLBS) condition. These technologies may be novel sensor or monitoring systems, home-use point-of-care devices, home or mobile therapy or rehabilitation tools, or information systems and should have the goal of fostering healthy and independent living for aging adults with HLBS conditions. **Application Due Dates:** June 10, 2019; June 10, 2020

[RFA-OD-18-005 \(K01\)](#) – clinical trial not allowed; [RFA-OD-18-006 \(K01\)](#) – clinical trial required

Mentored Research Scientist Career Development Award in Tobacco Regulatory Research

These FOAs provide support and protected time (three, four, or five years) for an intensive, supervised career development experience in biomedical, behavioral, and social science research that will inform the development and evaluation of regulations on tobacco product manufacturing, distribution, and marketing and that will lead to research independence. **Application Due Dates:** July 19, 2019, November 8, 2019

[RFA-OD-18-007 \(K99/R00\)](#) – clinical trial not allowed; [RFA-OD-18-008 \(K99/R00\)](#) – clinical trial required

Pathway to Independence Award in Tobacco Regulatory Research

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. **Application Due Dates:** July 19, 2019, November 8, 2019

NIH FUNDING OPPORTUNITIES

PROGRAM ANNOUNCEMENTS REVIEWED BY AN INSTITUTE (PAR)

[PAR-19-099 \(U01\)](#); [PAR-19-100 \(R21\)](#) – clinical trial optional

Limited Competition: Clinical and Translational Science Award (CTSA) Program: Collaborative Innovation Awards

This program supports collaborative research activities that develop innovative solutions that will improve the efficiency, quality and impact of turning laboratory, clinic and community observations into interventions that improve the health of individuals and the public. The FOA requires investigators from three or more CTSA Program hub institutions to either: 1) form new collaborations, or to 2) significantly expand the scientific scope of existing collaborations, or to 3) engage new collaborators in pre-existing collaborations to solve a translational science problem no one hub can solve alone, or disseminate a solution to a translational science problem developed at one hub to other hubs.

Application Due Dates: March 8, 2019, July 11, 2019, November 8, 2019, March 9, 2020, July 10, 2020, November 9, 2020, March 8, 2021, July 9, 2021, November 9, 2021.

[PAR-19-145 \(R03\)](#) – clinical trial not allowed

NIDCR Small Research Grants for Oral Health Data Analysis and Statistical Methodology Development

This FOA supports projects that involve secondary data analyses of existing oral or craniofacial database resources, or to develop needed statistical methodology for analyzing oral and craniofacial data using existing oral or craniofacial databases. **Application Due Dates:** Standard dates apply

[PAR-19-149 \(R21\)](#) – clinical trial not allowed; [PAR-19-150 \(R21\)](#) – clinical trial required

Exploratory/Developmental Bioengineering Research Grants (EBRG)

These FOAs encourage applications that demonstrate feasibility and potential utility of new capabilities or improvements in quality, speed, efficacy, operability, costs, and/or accessibility of solutions to problems in basic biomedical, pre-clinical, or clinical research, clinical care delivery, or accessibility. **Application Due Dates:** Standard dates apply

[PAR-19-153 \(R21\)](#) – clinical trial optional

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

This FOA seeks research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults (AYA; defined by the WHO and CDC as youth between 12–24 years of age) with serious, advanced illnesses; and research focused on specific end-of-life/palliative care (EOLPC) models that support the physical, psychological, spiritual, and social needs of AYA with serious illness, their families and caregivers.

Application Due Dates: Standard dates apply

[PAR-19-155 \(R34\)](#) – clinical trial optional

NHLBI Clinical Trial Pilot Studies

This FOA supports studies that are scientifically essential, yet also sufficient, for investigators to make definitive decisions that inform the final designs of Phase II and beyond clinical trials. This mechanism may be used to test the feasibility of novel and efficient (pragmatic) trial designs, as well as determine the feasibility of an intervention, intervention parameters, subject availability, or other information essential to complete the design of a trial

Application Due Dates: Standard dates apply

[PAR-19-156 \(U01\)](#) – clinical trial not allowed; [PAR-19-157 \(U01\)](#) – clinical trial required

Bioengineering Research Partnerships

These FOAs seek bioengineering applications that will accelerate the development and adoption of promising tools and technologies that can address important biomedical problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine. **Application Due Dates:** Standard dates apply

[PAR-19-158 \(R01\)](#) – clinical trial not allowed; [PAR-19-159 \(R01\)](#) – clinical trial required

Bioengineering Research Grants

These FOAs encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. **Application Due Dates:** Standard dates apply

[PAR-19-164 \(R25\)](#) – clinical trial not allowed

Summer Research Education Experience Program

This program supports creative educational activities with a primary focus on research experiences for high school or undergraduate students or science teachers during the summer academic break. The proposed program needs to fit within the mission of the participating IC that the application is being submitted to and should not have a general STEM focus. **Application Due Dates:** Standard dates apply

FUNDING OPPORTUNITIES : ADMINISTRATION FOR COMMUNITY LIVING

National Inst. on Disability, Independent Living, and Rehabilitation Research

[HHS-2019-ACL-NIDILRR-SFGE-0318](#)

Switzer Research Fellowships Program

The purpose of this Program to build research capacity by providing support to highly qualified individuals, including those who are individuals with disabilities, to conduct research on the rehabilitation of individuals with disabilities. The program provides two categories of research fellowships: Merit Fellowships and Distinguished Fellowships. (a) To be eligible for a Merit Fellowship, an individual must be in the earlier stages of his or her career in research and have either advanced professional training or experience in independent study in an area which is directly pertinent to disability and rehabilitation. (b) To be eligible for a Distinguished Fellowship, an individual must have seven or more years of research experience in subject areas, methods, or techniques relevant to research on rehabilitation, independent living and other experiences and outcomes of individuals with disabilities, and must have a doctorate, other terminal degree, or comparable academic qualifications. Only individuals, not Institutions, are eligible to apply.

Application Due Date: February 11, 2019

[HHS-2019-ACL-NIDILRR-DPHF-0329](#)

Disability and Rehabilitation Research Projects (DRRP) Program: Health and Function (Development)

The purpose of this program is to plan and conduct research, demonstration projects, training, and related activities, including international activities, to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities. Applicants must propose a development project that is aimed at improving the health and function of individuals with disabilities. In carrying out a development project under this program, a grantee must use knowledge and understanding gained from research to create materials, devices, systems, or methods beneficial to the target population, including design and development of prototypes and processes.

Application Due Date: March 18, 2018

[HHS-2019-ACL-NIDILRR-DPCP-0331](#)

Disability and Rehabilitation Research Projects (DRRP) Program: Community Living and Participation (Development)

Under this particular DRRP priority, applicants must propose a development project that is aimed at improving the community living and participation of individuals with disabilities. In carrying out a development project under this program, a grantee must use knowledge and understanding gained from research to create materials, devices, systems, or methods beneficial to the target population, including design and development of prototypes and processes.

Application Due Date: March 18, 2018

[HHS-2019-ACL-NIDILRR-DPKT-0332](#)

Disability and Rehabilitation Research Projects (DRRP) Program: Projects for Translating the Findings and Products of Disability Rehabilitation Research and Development into Practice

The purpose of this program is to improve the effectiveness of services authorized under the Rehabilitation Act by generating new knowledge, or developing methods, procedures, and rehabilitation technologies that advance a wide range of health and function, independent living, and employment outcomes among individuals with disabilities, especially individuals with the most significant disabilities. Under this particular DRRP priority, grantees must promote the use or adoption of findings or products from NIDILRR-sponsored research or development projects.

Application Due Date: March 19, 2019

FUNDING OPPORTUNITIES: CENTERS FOR DISEASE CONTROL AND PREVENTION

National Center for Chronic Disease Prevention and Health Promotion

[RFA-DP-19-004](#)

Improving Detection and Management of Glaucoma and Other Eye Diseases Among High Risk Populations

This FOA seeks applications to study innovative strategies to better engage populations most at risk, most vulnerable, and least likely to have access to eye care to detect and manage glaucoma and other eye diseases in community-based settings, for replication and scaling in the US. The FOA has two components, Component A: Community-Based Interventions with Vulnerable Populations and Component B: Coordinating Center to provide logistics and support to the research study. **Application Due Date:** February 11, 2019.

National Center for Injury Prevention and Control

[RFA-CE-19-005](#)

Research Grants for Preventing Violence and Violence Related Injury

This FOA invites applications that will help expand and advance our understanding about what works to prevent violence that impacts children and youth, collectively referred to as Adverse Childhood Experiences (ACEs). This initiative supports the evaluation of primary prevention strategies, programs, or policies that target universal or selected high-risk populations (i.e., populations that have one or more risk factors that place them at heightened risk for violence). Funds are available to conduct such studies focused on preventing child abuse and neglect and at least one other form of violence affecting children and youth, including teen dating violence, sexual violence, youth violence and exposure to adult intimate partner violence as detailed elsewhere in the announcement. **Application Due Date:** March 8, 2019.

FUNDING OPPORTUNITIES: DEPARTMENT OF DEFENSE

PEER REVIEWED MEDICAL RESEARCH PROGRAM

Congressionally Directed Medical Research Programs/Peer Reviewed Medical Research Programs

The PRMRP challenges the scientific and clinical communities to address the FY19 PRMRP Topic Areas with original ideas that foster new directions along the entire spectrum of research and clinical care. The program seeks applications in laboratory, clinical, behavioral, epidemiologic, and other areas of research to advance knowledge in disease etiology, improve prevention, detection, diagnosis, treatment, and quality of life for those affected by a relevant disease or condition, and to develop and validate clinical care or public health guidelines. Please refer to the funding announcements for the FY19 topic areas.

[W81XWH-19-PRMRP-DA](#)

Discovery Award

The Discovery Award supports innovative, non-incremental, high-risk/potentially high-reward research. Studies are expected to lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on sound scientific rationale and study design. The Award will not exceed \$200,000. **Application Due Dates:** March 28, 2019 – Pre-Application; April 11, 2019 – Application

[W81XWH-19-PRMRP-FPA](#)

Focused Program Award

This award is intended to optimize research and accelerate solutions to critical questions related to at least one of the FY19 topic areas. Applications must describe a unifying, overarching challenge that will be addressed by a set of research projects and shall include multiple, distinct research projects led by individual project leaders that address complementary aspects of the overarching challenge. Applicants are strongly encouraged to submit a minimum of four research projects. Awards will not exceed a total of \$7.2M in direct costs for a project period of 4 years.

Application Due Dates: March 14, 2019 – Pre-Application; July 2, 2019 – Invited Application

[W81XWH-19-PRMRP-TTDA](#)

Technology/Therapeutic Development Research Award

This award is a product-driven award mechanism intended to provide support for the translation of promising preclinical findings into productions for clinical applications, including prevention, detection, diagnosis, treatment, or quality of life in at least one of the FY19 topic areas. Awards will not exceed a total of \$3M direct costs for a project period of 3 years.

Application Due Dates: March 14, 2019 – Pre-Application; July 11, 2019 – Invited Application

[W81XWH-19-PRMRP-IIRA](#)

Investigator-Initiated Research Award

This award supports studies that will make an important contribution toward research and/or patient care for a disease or condition related to at least one of the FY19 topic areas. The rationale for a research idea may be derived from a laboratory discovery, population-based studies, a clinician's first-hand knowledge of patients, or anecdotal data. Applications must include relevant data that support the rationale for the proposed study.

Application Due Dates: March 14, 2019 – Pre-Application; July 11, 2019 – Invited Application



*It is not the answer that
enlightens, but the
question.*

Eugene Ionesco (1909-1994)
Playwright