

SPHHP Research Activities Newsletter

University at Buffalo

April 2019

IN THE NEWS

Congratulations to the Following Awardees!



Blair Johnson, Assistant Professor of Exercise and Nutrition Sciences, and **Jeffrey Miecznikowski**, Associate Professor of Biostatistics, are Co-Investigators on a continuation award from the National Institute of Neurological Disorders and Stroke/NIH (PI: John Leddy, Orthopaedics) for the project entitled, *Physiological Mechanisms of a Biomarker of Recovery from Concussion*. The study continues to examine and identify the patients' physiological responses to concussion to aid in the development of novel treatments to speed recovery and return to normal activities.



Jennifer Temple, Associate Professor of Exercise and Nutrition Sciences, is PI on a new supplement award from the National Institute of Diabetes and Digestive and Kidney Diseases/NIH for her R01 entitled, *Sensitization of the Reinforcing Value of Food as a Predictor of Weight Change in Adolescents*. The supplement will allow Dr. Temple to increase participant recruitment and retention for the study that continues to examine the weight-related consequences of sensitization of the reinforcing value of food and to identify factors that moderate changes in body weight over time.



Jihnhue Yu, Associate Professor of Biostatistics and Director of the Population Health Observatory (PHO), is PI on a continuation award from the Erie County Medical Center for the project entitled, *Establishment of a Trauma Surgery Registry*. The study will continue to maintain ECMC's trauma registry database to identify and address problems associated with regional trauma care.

Congratulations to the SPHHP faculty who were awarded new grants as PI in the 2019-2020 Seeds for Innovation in Successful Aging Program, funded by UB's Center for Successful Aging:



Hailey Banack, Research Assistant Professor of Epidemiology and Environmental Health (EEH), and **Jean Wactawski-Wende**, Dean of SPHHP and SUNY Distinguished Professor of EEH, are Co-PIs for the project entitled, *A Novel Method to Measure Muscle Mass in a Community Sample of Postmenopausal Women in Western New York*. The study will use a measure of muscle mass, called the creatine dilution method, to study sarcopenia and physical function in community dwelling postmenopausal women. **Heather Ochs-Balcom**, Associate Professor of EEH and **Machiko Tomita**, Clinical Professor of Rehabilitation Science, are Co-Investigators.



Machiko Tomita, Clinical Professor of Rehabilitation Science, is PI for the project entitled, *The Effects of Voice-Command Technology on Loneliness and Depression among Community-Dwelling Older Adults with Driving Cessation*. The study will test the usability and short-term effectiveness of a voice-command device to reduce loneliness and depression and improve the quality of life in community-dwelling older adults who receive driving services from the Hearts & Hands organization.

Inside this issue:

In the News	1
Grant Clinic	2-3
NIH Funding	
Limited Submissions	4
RFAs	5-9
PARs	9
PAs	10
NIDILRR	10
DOD	10-11
NSF	11
Robert Wood Johnson	11
Words to Live By	11

GRANT CLINIC

NIH Releases Behavioral and Social Sciences Clinical Trials Protocol Template: The National Institutes of Health (NIH) has released a clinical trial protocol template with instructional and example text for NIH funded investigators to use in writing protocols for behavioral and social sciences clinical trials. Use of the template is recommended but not required. The template has been fully integrated into NIH's [Clinical E-Protocol Writing Tool](#). The tool allows for investigators to collaboratively author protocols that can be submitted to [clinicaltrials.gov](#) and/or the NIH institute or center funding the trial.

The Office of the Congressionally Directed Medical Research Programs (CDMRP)

The CDMRP manages Congressional Special Interest Medical Research Programs (CSI) encompassing breast, prostate, and ovarian cancers, neurofibromatosis, military health, and other specified areas. Since fiscal year 1992, the CDMRP has managed approximately over \$7.7 billion in Congressional appropriations for peer-reviewed research aimed to prevent, control, and cure disease. Through fiscal year 2013, approximately 12,423 awards have been made to advance health care solutions via extramural grants, contracts, and cooperative agreements. The SPHHP-related areas that currently are funded include: Alcohol and Substance Abuse Disorders; Amyotrophic Lateral Sclerosis; Cancer (breast, ovarian, kidney, lung, prostate); Chronic Pain Management; Hearing Restoration; Multiple Sclerosis; and Parkinson's. CDMRF also supports DOD Programs/Projects that include Clinical and Rehabilitative Medicine Research Program (JPC-8) and Psychological Health/Traumatic Brain Injury.

NIOSH Updates on Current Funding Announcement Opportunities

[NOT-OH-19-001 \(T42\)](#); [NOT-OH-19-002 \(T03\)](#)

New Applications for PAR-15-303 and PAR-15-352: "Occupational Safety and Health Education and Research Centers"

NIOSH will not be accepting new applications for PAR-15-303 and PAR-15-352 for the October 2019 receipt date. Funds to support applications for new awards are not expected to be available in FY2020.

[NOT-OH-19-003](#); [NOT-OH-19-004](#); [NOT-OH-19-005](#)

NIOSH Updates on Occupational Safety and Health Research (R01, R21, and R03) Applications

NIOSH has expanded both the burden and need elements of the application. Specifically, **Burden elements** have been expanded to include a general statement of burden to better address emerging issues, comparison population data, trends, and burden in a specific geographic region. **Need elements** have been expanded to include 1) a general statement of need to better address potential overlap with previous or existing research, 2) an expanded Methodological approach element, and 3) the Likelihood of success element previously listed under Impact. **Impact elements** now include the likelihood of the research to reduce burden. Please refer to the Notices above for the updated FOA language.

NIH NOTICES

[NOT-CA-19-041](#)

Pre-Application Webinar for RFA-CA-19-035, Optimizing the Management and Outcomes for Cancer Survivors Transitioning to Follow-up Care (R01 Clinical Trial Required)

NCI staff members will provide orientation and technical assistance to potential applicants during the webinar on May 3, 2019 from 1:00-2:00pm, EDT. Goals and objectives for the FOA will be discussed and questions submitted by applicants will be answered. Questions should be submitted to NCIHDRP@mail.nih.gov by 12 pm EDT on May 1, 2019. Registration is required. If interested, please see the NIH notice (CA-19-041) for the link to register.

[NOT-OD-19-090](#)

The National Institutes of Health (NIH) Office of Disease Prevention (ODP) Announces the Pathways to Prevention Workshop: Achieving Health Equity in Preventive Services

NIH is hosting a workshop on **June 19-20, 2019**, to assess the available scientific evidence on achieving health equity in the use of clinical preventive services in a health care setting. The workshop will focus on three leading causes of death in the United States: cancer, heart disease, and diabetes. The workshop is free and open to the public. Registration is required, and attendees can either join either in person or via NIH Videocast. To register to attend the conference and to receive the latest information, visit [Pathways to Prevention Workshop](#). To watch the workshop live online, visit [Videocast.NIH.Gov](#).

[NOT-CA-19-034](#)

Notice of a Joint Veterans Health Administration/National Cancer Institute Data Science Initiative called the Big Data Scientist Training Enhancement Program (BD-STEP)

NCI and the VA are recruiting postdoctoral fellows for the BD-STEP. BD-STEP fellows will be assigned to work at one of four VA medical centers (Palo Alto, CA; Houston, TX; Durham, NC; Boston, MA); at those facilities, they will work with clinicians, clinician-scientists, and interdisciplinary researchers to address important patient-centered health challenges. While working in these unique clinical research environments, BD-STEP fellows will have valuable opportunities to utilize the extensive VA health data infrastructure. Additional information about the program is available at [NCI BD-STEP](#) and [VA BD-STEP](#). Applications should be submitted [online](#) and are due **July 19, 2019**.

[NOT-HD-15-028](#)

NICHD Data and Specimen Hub (DASH) Releases New Functionality for Biospecimen Requests

Biospecimens from eight studies in HIV/AIDS, preterm labor and birth, and pregnancy may now be requested through DASH. Studies with biospecimens currently available include Genomic and Proteomic Network for Preterm Birth Research; NICHD International Site Development Initiative; and Mothers and Infants Cohort Study. Full descriptions of the available studies and instructions on how to apply for biospecimens and/or data online are available via the [DASH website](#).

[NOT-GM-19-021](#)

NIH Highlights Support for Data Science Research through the Academic Research Enhancement Award (AREA) Program

This Notice highlights the role of the AREA program in exposing undergraduate students to data-science research and engaging a broader community in this area of science. PD/PIs with expertise in biomedical data science and related disciplines are encouraged to apply. Applicants are encouraged to consult the [Frequently Asked Questions](#). If interested in applying, please see the FOAs, [PAR-18-174](#) and [PAR-19-133](#).

[NOT-LM-19-003](#)

Notice of Special Interest: Computational and Statistical Methods to Enhance Discovery from Health Data

The National Library of Medicine invites grant applications through [PAR-18-896](#), NLM Research Grants in Biomedical Informatics and Data Science. Of interest are applications that propose state of the art methods and approaches to address problems with large health data sets or tools used to analyze them, whether the data are drawn from electronic health records or public health data sets, biomedical imaging, omics repositories or other biomedical or social/behavioral data sets. Applications submitted in response to this Notice should note NOT-LM-19-003 in Field 4b on the SF424 R&R form.

[NOT-MD-19-001](#)

Notice of Special Interest in Research on the Health of Sexual and Gender Minority (SGM) Populations

This Notice encourages research that describes the biological, clinical, behavioral, and social processes that affect the health and development of SGM populations and individuals and their families, and that leads to the development of acceptable and appropriate health interventions and health service delivery methods that will enhance health and development of these populations. For areas of programmatic interest to NIH Institutes, please refer to the NIH Notice.

[NOT-AI-19-051](#)

Notice of Changes to RFA-AI-19-002, "HIV/AIDS Clinical Trials Networks Statistical and Data Management Centers"

Please note that NIH has revised this RFA, removing text from Part 2. Section 1 and from Part 2. Section IV. For the revised language, please visit the link above.

Notice of Change to Key Dates for HEAL Initiatives

An additional submission date of **May 20, 2019** has been added for the following HEAL Initiatives:

[RFA-NS-19-016](#); [RFA-NS-19-017](#) Translational Devices to Treat Pain (UG3/UH3; U44 Clinical Trial Optional)
[RFA-NS-19-018](#) Clinical Devices to Treat Pain (UH3 Clinical Trial Optional)
[RFA-EB-18-003](#) Translational Development of Devices to Treat Pain (U18 Clinical Trial Not Allowed)

Notices of Intent to Publish a Funding Opportunity Announcement

[NOT-AA-19-013](#)

Specialized Alcohol Research Centers (P50) – clinical trial optional;
anticipated release: Fall 2019; expected due date: Fall 2019.

[NOT-CA-19-038](#)

Dissemination and Implementation Research in Health (R01) – clinical trial optional; anticipated release: May 2019; expected due date: June 5, 2019, then standard dates thereafter

[NOT-GM-19-024](#)

Innovative Programs to Enhance Research Training (IPERT) (R25);
anticipated release: Summer 2019; expected due date: October 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 Tramosch 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-19-102 \(T32\)](#)

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

This FOA provides support to eligible, domestic institutions 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. *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

[RFA-DK-19-002 \(P30\)](#) – clinical trial optional

Nutrition Obesity Research Centers (NORCs)

The mission of the NORC program is to serve as a key component of the NIDDK-supported research effort to advance nutrition and obesity research. The NORCs promote new discoveries and enhance scientific progress through support of cutting-edge basic, clinical, and translational research in nutrition science and obesity with the ultimate goal of improving public health. *Only one application per institute is allowed.* **Application Due Date:** October 23, 2019

[RFA-RM-19-008 \(DP5\)](#) – clinical trial optional

NIH Directors Early Independence Awards

This award supports exceptional investigators who wish to pursue independent research essentially after completion of their terminal doctoral/research degree or end of post-graduate clinical training, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. *Only two applications per institution are allowed.*

Application Due Date: September 13, 2019

NIH FUNDING OPPORTUNITIES

REQUESTS FOR APPLICATIONS (RFA)

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

This FOA solicits applications for new BSSR predoctoral training programs that focus on innovative computational and/or data science analytic approaches. The vision of the 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

[RFA-HS-19-002 \(R18\)](#)

Using Data Analytics to Support Primary Care and Community Interventions to Improve Chronic Disease Prevention and Management and Population Health

This FOA invites applications to promote health equity and improve the health of individuals and populations at risk for suboptimal health outcomes through the use of primary care and community interventions that address chronic conditions, including prevention and management of multiple chronic conditions. **Application Due Date:** May 29, 2019

[RFA-HS-19-003 \(R01\)](#)

AHRQ Health Services Research Project: Partners Enabling Diagnostic Excellence

This FOA will fund investigative health services research projects that establish the incidence of diagnostic errors, enhance our understanding of the factors contributing to diagnostic errors, and the association between diagnostic safety and quality and outcomes such as patient harms, costs, expenditures, and utilization.

Application Due Date: May 29, 2019

[RFA-OD-19-020 \(K12\)](#) – clinical trial optional

Building Interdisciplinary Research Careers in Women's Health (BIRCWH)

This FOA will support mentored research and career development opportunities of junior faculty, known as BIRCWH Scholars, who have recently completed clinical training or postdoctoral fellowships, and who will be engaged in interdisciplinary basic, translational, behavioral, clinical, and/or health services research relevant to the health of women and, where appropriate, the use of both sexes to better understand the influence of sex as a variable on health and disease. **Application Due Date:** May 29, 2019

June Due Dates

[RFA-ES-19-007 \(R35\)](#) – clinical trial not allowed; [RFA-ES-19-008](#) (basic experimental studies with humans required)

Revolutionizing Innovative, Visionary Environmental Health Research (RIVER)

The RIVER program rewards outstanding Environmental Health Sciences researchers who demonstrate a broad vision and potential for continuing their impactful research with increased scientific flexibility, stability in funding, and administrative efficiency. **Application Due Date:** June 20, 2019

[RFA-HD-20-004 \(P2C\)](#) – clinical trial optional

Medical Rehabilitation Research Resource

The aim of this FOA is to create a national network of research centers that provide access to collateral expertise in biomedical, behavioral, engineering, and/or psychosocial fields that are particularly relevant to medical rehabilitation research and the needs of people with chronic physical disabilities. **Application Due Date:** June 27, 2019

[RFA-HD-20-005 \(R01\)](#) – clinical trial optional

Research Project Grants in Pediatric Rehabilitation

This FOA seeks to increase the number of researchers and projects in pediatric rehabilitation. Please refer to the FOA for research topics of interest. Research areas with large current research investments will be given low priority. Applicants are encouraged to review the NIH Reporter for existing research studies in pediatric rehabilitation.

Application Due Date: June 27, 2019

[RFA-CA-19-035 \(R01\)](#) – clinical trial required

Optimizing the Management and Outcomes for Cancer Survivors Transitioning to Follow-up Care

This FOA solicits applications that develop and test models of care for adult survivors of cancer who are transitioning from active treatment to follow-up care. Through this FOA, the NCI intends to support multi-level interventions that enhance communication, collaboration, and coordination among oncology and non-oncology providers to improve cancer survivor outcomes. **Application Due Date:** June 28, 2019

July Due Dates

[RFA-AI-19-022 \(R01\)](#) – clinical trial optional

U.S.-South Africa Program for Collaborative Biomedical Research - Phase 2 (HIV/AIDS)

These FOAs will establish Phase 2 of the U.S.-South Africa research program. The intent is to foster stimulate, and/or expand basic, translational, behavioral and applied research that will advance scientific discovery and engage U.S. and South African researchers working collaboratively in the areas of HIV/AIDS and HIV/AIDS-associated malignancies. U.S. and South African investigators working in partnership will prepare and submit a single joint application.

Application Due Date: July 26, 2019

[RFA-AI-19-024 \(R01\)](#) – clinical trial optional

U.S.-South Africa Program for Collaborative Biomedical Research - Phase 2 (Infectious Diseases)

These FOAs will continue the U.S.-South Africa Program into Phase 2. Research areas supported under this program include: tuberculosis; sexually transmitted infections; parasitic infections; arboviruses and emerging/re-emerging viral pathogens; and vector biology and control. **Application Due Date:** July 26, 2019

August Due Dates

[RFA-CA-19-032 \(R01\)](#) – clinical trial optional

Provocative Questions (PQs) in Cancer with an Underlying HIV Infection

The purpose of this FOA is to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Provocative Questions in Cancer with an Underlying HIV Infection involves a set of 6 PQs. Each research project proposed in response to this FOA must be focused on addressing one particular research problem defined by one specific PQ selected from the list. Please refer to the FOA for the six PQs. **Application Due Date:** August 1, 2019

[RFA-RM-19-006 \(DP2\)](#) – clinical trial optional

NIH Directors New Innovator Award Program

This program is designed to support unusually creative investigators with highly innovative research ideas at an early stage of their career when they may lack the preliminary data required for an R01 grant application. The emphasis is on innovation and creativity; preliminary data are not required but may be included. The review process emphasizes the individual's creativity, the innovativeness of the research approaches, and the potential of the project, if successful, to have a significant impact on an important biomedical or behavioral research problem.

Application Due Date: August 26, 2019

September Due Dates

[RFA-MH-20-120 \(R01\)](#) – clinical trial not allowed

BRAIN Initiative: Secondary Analysis and Archiving of BRAIN Initiative Data

This FOA encourages secondary analysis of the large amounts of existing data related to the BRAIN Initiative. The data do not need to be held in one of the funded BRAIN Initiative data archives, but the data must be held in a data archive that is readily accessible to the research community. Support will be provided for innovative analysis of relevant existing datasets using conventional or novel analytic methods, data science techniques, and machine learning approaches.

Application Due Date: September 6, 2019

[RFA-RM-19-005 \(DP1\)](#) – clinical trial optional

NIH Directors Pioneer Award Program

This award supports individual scientists of exceptional creativity who propose highly innovative and potentially transformative research towards the ultimate goal of enhancing human health. The potential for impact on human health may be near term (clinical or translational research) or long term (basic research). The paramount features of the research proposed must be innovation and magnitude of potential impact. **Application Due Date:** September 9, 2019

[RFA-RM-19-007 \(R01\)](#) – clinical trial optional

NIH Directors Transformative Research Awards

This Award supports individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original, and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. Individuals from diverse backgrounds and from the full spectrum of eligible institutions in all geographic locations are strongly encouraged to apply to this FOA.

Application Due Date: September 20, 2019

[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: 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:** 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: September 27, 2019

October Due Dates

[RFA-HL-20-003 \(UG3/UH3\)](#) – clinical trial optional

[RFA-HL-20-004 \(U24\)](#) – clinical trial not allowed

Disparities Elimination through Coordinated Interventions to Prevent and Control Heart and Lung Disease Risk (DECIPHeR)

The UG3/UH3 invites applications for projects that propose to test late-stage (T4) implementation research strategies for optimally and sustainably delivering proven-effective, evidence-based multi-level interventions to reduce or eliminate cardiovascular and/or pulmonary health disparities, and that promote and improve population health in high-burden communities. The U24 invites applications for a Research Coordinating Center (RCC) to support projects from the UG3/UH3. The RCC will coordinate activities across all of the DECIPHeR projects.

Application Due Date: October 1, 2019

[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:** October 17, 2019

Multiple Due Dates

[RFA-ES-16-005 \(R21\)](#)

Mechanism for Time-Sensitive Opportunities in Environmental Health Sciences

This FOA supports environmental health research in which an unpredictable event provides a limited window of opportunity to collect human biological samples or environmental exposure data. The primary motivation is to understand the consequences of natural and man-made disasters or emerging environmental public health threats in the U.S. and abroad. A distinguishing feature of an appropriate study is the need for rapid review and funding (substantially shorter than the typical NIH grant review/award cycle) in order for the research question to be addressed and swiftly implemented. **Application Due Dates:** June 1, 2019, July 1, 2019, August 1, 2019; September 3, 2019

[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-CA-19-039 \(U01\)](#) – clinical trial optional

Early-Stage Development of Informatics Technologies for Cancer Research and Management

This FOA invites applications for the development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge across the cancer research continuum and focuses on early-stage development from prototyping to hardening and adaptation. **Application Due Dates:** June 11, 2019; November 20, 2019

[RFA-CA-19-040 \(U24\)](#) – clinical trial optional

Advanced Development of Informatics Technologies for Cancer Research and Management

This FOA focuses on emerging informatics technology, defined as one that has passed the initial prototyping and pilot development stage, has demonstrated potential to have a significant and broader impact, has compelling reasons for further improvement and enhancement, and has not been widely adopted in the cancer research field.

Application Due Dates: June 11, 2019; November 20, 2019

[RFA-CA-19-041 \(U24\)](#) – clinical trial optional

Sustained Support for Informatics Technologies for Cancer Research and Management

The focus of this FOA is on sustaining operations and improving the user experience and availability of existing, widely-adopted informatics tools and resources. This is in contrast to early-stage and advanced development efforts to generate these tools and resources that are supported by the companion FOAs.

Application Due Dates: June 11, 2019; November 20, 2019

[RFA-CA-19-034 \(P20\)](#) – clinical trial optional

Feasibility and Planning Studies for Development of Specialized Programs of Research Excellence (SPOREs) to Investigate Cancer Health Disparities

The P20 grants will support feasibility and planning activities to build comprehensive cancer health disparities research programs. All applications must propose translational research that will contribute to improved prevention, early detection, diagnosis, and/or treatment of cancers found to disproportionately affect specific racial/ethnic minority populations. **Application Due Dates:** June 19, 2019, October 18, 2019, June 19, 2020, and October 18, 2020

[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:** July 11, 2019; November 12, 2019

[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

The purpose of this award is to increase and maintain a strong cohort of new and talented independent investigators conducting research that will inform the development and evaluation of regulations on tobacco product manufacturing, distribution, and marketing. 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

[RFA-HL-19-023 \(T32\)](#) – clinical trial not allowed

T32 Training Program for Institutions that Promote Diversity

This program supports predoctoral and health professional students and individuals in postdoctoral training institutions with an institutional mission focused on serving health disparity populations not well represented in scientific research, with the potential to develop meritorious training programs in cardiovascular, pulmonary, and hematologic diseases, and sleep disorders.

Application Due Dates: September 4, 2019; February 26, 2020; September 4, 2020; February 26, 2021

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

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

This program supports 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:** September 10, 2019, February 26, 2020, September 10, 2020, February 26, 2021

[RFA-DA-19-019 \(R43/R44\)](#); [RFA-DA-19-020 \(R41/R42\)](#) – clinical trial optional

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

These FOAs invite applications from US small business concerns to develop technologies to provide science-and research-based solutions to the opioid emergency.

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

[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

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: October 10, 2019, February 11, 2020, October 9, 2020, February 11, 2021

NIH FUNDING OPPORTUNITIES

PROGRAM ANNOUNCEMENTS REVIEWED BY AN INSTITUTE (PAR)

[PAR-19-251 \(R01\)](#); [PAR-19-252 \(R21\)](#) – clinical trial optional

Basic and Translational Research on Adducts in Cancer Risk Identification and Prevention

These FOAs support innovative research on adducts to cellular macromolecules as indicators of exposures to endogenous and exogenous cancer risk factors relevant to exposures in human populations. The priority is on projects that will focus on adductomic approaches, i.e., address some aspects of the totality of adducts. The ultimate goal is to discover and characterize the utility of adductomic-based exposure indicators for cancer detection, cancer prevention, and/or assessing cancer risks. **Application Due Dates:** July 2, 2019; November 6, 2019; July 2, 2020;

November 6, 2020; July 8, 2021; November 8, 2021

[PAR-19-233 \(DP1\)](#) – clinical trial optional

Avenir Award Program for Genetics or Epigenetics of Substance Use Disorders

This award will support those in an early stage of their career who may lack the preliminary data required for an R01 grant, but who propose highly innovative studies that open new areas of research for the genetics or epigenetics of addiction. These may be novel methods or approaches that can potentially be applied to the analysis of the genetics or epigenetics of addiction. Investigators outside the field of addiction interested in applying their novel approaches to the genetics or epigenetics of addiction are encouraged to apply. **Application Due Dates:** October 21, 2019, October 19, 2020, October 19, 2021

[PAR-19-222 \(R21\)](#) – clinical trial optional

Small Grants for New Investigators to Promote Diversity in Health-Related Research

This FOA provides support for New Investigators from diverse backgrounds to conduct small research projects in the scientific mission areas of the NIDDK and NHGRI. Applicants should have/have had less than \$125,000 direct cost of combined research funding (excluding NIH training and NIH career awards).

Application Due Dates: Standard dates apply; **Expiration Date:** May 8, 2022

[PAR-19-225 \(K01\)](#) – independent basic experimental studies with humans required

Transition to Independent Environmental Health Research (TIEHR) Career Award

The TIEHR Career Award is a 3-year bridge scholar development program for newly independent faculty who intend to pursue research careers in environmental health sciences. 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.

Application Due Dates: Standard dates apply; **Expiration Date:** January 8, 2022

[PAR-19-253 \(R01\)](#) – clinical trial not allowed

Focused Technology Research and Development

This FOA supports projects that focus solely on development of technologies with the potential to enable acquisition of basic biomedical knowledge. Projects should be justified in terms of technical innovation, and utility for future biomedical impact. Proof of concept for the technology must have already been demonstrated, but there should still be significant technical challenges. **Application Due Dates:** Standard dates apply; **Expiration Date:** May 8, 2022

[PAR-19-254 \(R21\)](#) – clinical trial not allowed

Exploratory Research for Technology Development

This FOA will support exploratory research leading to the development of innovative technologies for biomedical research. The program will recognize and reward high-risk approaches with potential for significant impact. Projects should entail a high degree of risk or novelty, which will be offset by a correspondingly high potential impact.

Application Due Dates: Standard dates apply; **Expiration Date:** May 8, 2022

NIH FUNDING OPPORTUNITIES

PROGRAM ANNOUNCEMENTS (PA)

The following opportunities have standard due dates unless noted otherwise:

[PA-19-226](#) (Admin Supplement) – clinical trial optional

Behavioral and Social Research to Address Health Disparities in the U.S.

Application Due Date: May 6, 2019

FUNDING OPPORTUNITIES : ADMINISTRATION FOR COMMUNITY LIVING

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

[HHS-2019-ACL-NIDILRR-RTEM-0339](#)

Rehabilitation Research and Training Center (RRTC) on Employment of Transition-Age Youth with Disabilities

NIDILRR's research portfolio focusing on employment of youth and young adults reflects a continuum of stages, including exploration and discovery, intervention development, intervention efficacy, and scale-up evaluation. This FOA seeks applications to conduct research, training, technical assistance, and related activities to contribute to improve employment outcomes of transition-age youth with disabilities. For priority research areas, please refer to the funding announcement. **Application Due Date:** May 24, 2019

[HHS-2019-ACL-NIDILRR-RTEM-0338](#)

Rehabilitation Research and Training Center (RRTC) on Employment of People with Intellectual and Developmental Disabilities

This FOA seeks applications to conduct research, training, technical assistance, and related activities to contribute to improved employment outcomes of people with intellectual and developmental disabilities. Applications should propose to run a RTTC grant that is responsive to each of the requirements in the priority section of the FOA.

Application Due Date: May 25, 2019

FUNDING OPPORTUNITIES: U.S. DEPARTMENT OF DEFENSE

FY2019 Peer Reviewed Cancer Research Program

FY19 Peer Reviewed Cancer Research Programs

The following funding opportunities seek applications that address at least one of the FY19PRCRP topic areas (see Section II.A.I. of the funding announcements). Applicants must address how the proposed research is related to military health, military readiness, and the cancer health needs of both deployed and non-deployed military personnel, their dependents, Veterans, and other military beneficiaries (i.e, family members of retirees). Applications for all awards are due **September 11, 2019**.

[W81XWH-19-PRCRP-HA](#)

Horizon Award

This award supports junior-level scientists in developing a research project to investigate a problem or question in the field of cancer, and further their intellectual development as a cancer researcher of the future. Preliminary data are not required. Both predoctoral and postdoctoral fellows are eligible to apply. Predoctoral applicants must be within 2 years of completing degree coursework, having completed all laboratory rotations, and is working in his/her Mentor's laboratory by the time of the application submission deadline. Postdoctoral applications must be within 3 years of completion of his/her terminal and working in the Mentor's laboratory at the time of the application submission deadline. The award is for a maximum of 2 years and \$150,000 in total direct costs.

[W81XWH-19-PRCRP-CDA](#)

Career Development Award

This award supports independent, early-career investigators to conduct impactful research with the guidance of an experienced cancer researcher (i.e., Career Guide). The Career Development Award presents an opportunity for early-career investigators to obtain the funding, guidance, and experience necessary for productive, independent careers at the forefront of cancer research. This award supports impactful research projects with an emphasis on discovery.

[W81XWH-19-PRCRP-IASF](#)

Idea Award

This award supports innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or methods in cancer research. The "Special Focus" of this award mechanism is on exposures, conditions, or circumstances that are unique to the military, disproportionately represented in a military beneficiary population, or may affect force readiness. This award is not intended to support ongoing research in the applicant's laboratory; therefore, inclusion of preliminary data other than serendipitous findings is not consistent with the exploratory nature of this award.

[W81XWH-19-PRCRP-IPA](#)

Impact Award

The Impact Award mechanism encourages applications with mature research projects that specifically focus on critical scientific or clinical cancer issues, which, if successfully addressed, have the potential to make a major impact on at least one of the FY19 PRCRP Topic Areas. Important factors under consideration will be continuity of research, clinical applicability, and leveraging of clinical samples and trials. The Impact Award is intended to support established projects that have moved beyond the realm of basic research and have the potential to result in a near-term impact in clinical research or the clinic.

FUNDING OPPORTUNITIES: NATIONAL SCIENCE FOUNDATION

[NSF-19-575](#)

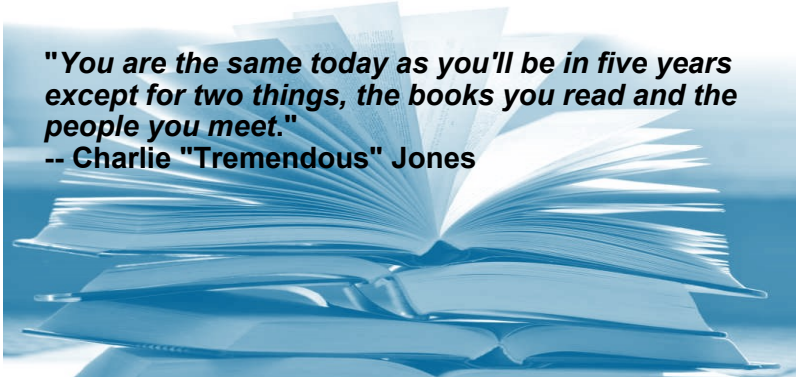
Methodology, Measurement, and Statistics (MMS)

MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. The following mechanisms are addressed in this solicitation: 1) Regular Research Awards; 2) Awards for conferences and community-development activities; 3) Doctoral Dissertation Research Improvement (DDRI) Grants; and 4) Research Experience for Undergraduates (REU) Supplements. **Application Due Date:** August 29, 2019

FUNDING OPPORTUNITIES: FOUNDATIONS

Robert Wood Johnson Foundation

Throughout the year, the Foundation welcomes [Pioneering Ideas Brief Proposals](#) that can help anticipate the future and consider new and unconventional perspectives on approaches to building a Culture of Health. The Foundation is looking to fund a number of different project types, including research, pilots or demonstration projects, idea sourcing, network or coalition building, and more. Ultimately, we are looking for projects that bring new understanding and raise new questions about the future of health in the United States. Awards range from \$150,000-\$350,000 for a project term of 12-36 months. Applications are accepted on a rolling basis but must be submitted by **October 15, 2019**.



"You are the same today as you'll be in five years except for two things, the books you read and the people you meet."
-- Charlie "Tremendous" Jones