

## Research Activities Newsletter

The latest news and announcements



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## In the News: Congratulations to the following awardees!!!



**Katherine Balantekin**, Assistant Professor of Exercise and Nutrition Sciences (ENS), received a new award from the National Institute of Diabetes and Digestive and Kidney Diseases/NIH for the project entitled, *Positive Food Parenting Intervention to Promote Healthy Growth in Children at Risk for Obesity*. The project goal is to develop an evidence-based positive food parenting (i.e., high in structure and autonomy promotion) intervention to give parents the tools to promote healthy child growth and improve diet quality in children to prevent obesity.



**Erin Brunelle**, Director, CAT Client Services, received a new award from the NYS Justice Center for the Protection of People with Special Needs for the research project entitled, *NYS TRAIID ARPA Funds*. The overall goal of this project is to increase awareness of, use, and implementation of assistive technology (AT) and to provide information and referrals to improve the function, participation, and independence of disabled individuals of all ages.



**Kaelyn Burns**, PhD candidate in the Department of Epidemiology and Environmental Health (EEH), is the PI and trainee on the continuation of an F-31 award from the National Heart, Lung, and Blood Institute/NIH entitled, *Application of a Novel Dietary Pattern Predictive of Trimethylamine N-oxide Production to Examine Associations with Metabolomic Profiles, the Gut Microbiome, and Vascular Health*. **Amy Millen**, Associate Professor in EEH, **Rachael Hageman Blair**, Associate Professor in Biostatistics, **Michael LaMonte**, Research Professor in EEH and **Jean Wactawski-Wende**, SUNY Distinguished Professor in EEH and the SPHHP Dean, are her Faculty Sponsors. The study continues to clarify the interplay among dietary intake, metabolism, the gut microbiome, and vascular health by examining associations among a novel dietary pattern predictive of biomarkers of TMAO production with metabolomic profiles, the gut microbiome composition, and retinal vessel caliber.



**Saptarshi Chakraborty**, Assistant Professor of Biostatistics, is Co-I on a new award from the National Institute of Diabetes and Digestive and Kidney Diseases/NIH (PI: Chelsie Armbruster, Microbiology and Immunology), for the research project entitled, *The Urothelial Glycosaminoglycan Layer: Composition and Contribution to Pathogen Fitness During Catheter-associated Urinary Tract Infection*. The project aims are: Aim 1) conduct a comprehensive examination of the GAG composition throughout the urinary tract in mice, a three-dimensional urine-tolerant human urothelial model, and urine specimens from catheterized patients to determine the impact of age, sex, and catheterization on composition; Aim 2) define the expression profile and substrate specificity of all six GAGases, including degradation product size and immunomodulatory capacity; Aim 3) determine the contribution of GAGases to CAUTI progression and severity, including polymicrobial infection, as well as the role of GAGs in sex- and age-based differences in UTI susceptibility and severity.



**Nicholas Felicione**, Assistant Professor of Community Health and Health Behavior (CHHB), is PI on a new award from Health Research Inc./NIH for the research project entitled *WNY Center on Flavored Tobacco Products (CRoFT)*. The project's goal is to develop a novel framework and approaches for assessing the impact of tobacco product flavors and flavorings on consumer behavior, exposures, and health. Overall, the four individual projects in this award will generate findings to inform regulatory science in four areas of relevance to the FDA: Toxicity, Behavior, Health Effects, and Communications.





**Akua Gyamerah**, Assistant Professor of Community Health and Health Behavior (CHHB), is PI on the continuation of her K award from the National Institute of Mental Health/NIH for the project entitled, *Intersectional Minority Stress, Mental Health, and HIV Treatment and Care Among MSM Living with HIV in Ghana*. The study continues to integrate intersectionality and minority stress theory and operationalize measures to examine how intersectional social stressors affect mental health and HIV treatment outcomes among Ghanaian MSM living with HIV and to develop an intervention to mitigate factors on this pathway to improve health.



**Christina Kasprzak**, Postdoctoral Associate and Research Assistant Professor in the department of Community Health and Health Behavior (CHHB), is the PI on a new K99/R00 award from the National Institute on Minority Health and Health Disparities/NIH for the research project entitled, *Design and Pilot Testing of a Culturally Tailored Breastfeeding Promotion for Non-Hispanic Black Women*. The goal of this research is to address significant racial disparities in breastfeeding rates through the development of an evidence-based and community-informed breastfeeding promotion program specifically tailored for non-Hispanic Black (NHB) women. Findings will inform the systematic and community-engaged design of a tailored breastfeeding peer counselor program to improve breastfeeding outcomes (e.g., initiation, duration, intensity, breastfeeding goals) among NHB women. **Lucia Leone**, Associate Professor in CHHB, is Christina's mentor.



**Katarzyna Kordas**, Associate Professor of Epidemiology and Environmental Health (EEH), is PI on a continuation award from the National Institute of Environmental Health Sciences/NIH for the project entitled, *Effect of Complex Mixtures on Oxidative Stress and Cognition in Children*. The study continues to examine the extent to which chemical mixtures in early-middle childhood affect a molecular process thought to underlie the development of chronic disease, as well as functional endpoints that underlie children's learning and social interactions. **James Olson**, UB Distinguished Professor of EEH and Pharmacology & Toxicology is the Co-I.



**Michael LaMonte**, Research Professor of Epidemiology and Environmental Health (EEH), is MPI on a continuation award from University of California at San Diego/NIH for the research project entitled, *Objective Physical Activity and Cardiovascular Health in Older Women: OPACH2*. The study continues to build on the success of OPACH1 to further characterize the type, amount, and intensity of physical activity (PA) needed to maintain cardiovascular health in older adults. The findings could lead to transformed and refined guidelines by conveying accurate and realistic PA goals for older Americans.



**Denise Lillvis**, Assistant Professor of Epidemiology and Environmental Health (EEH), is PI on a new award from the National Center for Advancing Translational Sciences/NIH for the research project entitled, *Experiences of Parents Seeking Emergency Care for Injured Children with Special Health Care Needs*. The objective is to identify factors contributing to poor care quality, such as hospital complications, through a qualitative assessment of the experiences of parents and other family caregivers seeking emergency care for their injured child with special health care needs.



**Jeffrey Miecznikowski**, Professor of Biostatistics, is Co-I on a new and a continuation award. The new award is from the National Cancer Institute/NIH, (PI: Robert Pili, Microbiology and Immunology), for the research project entitled, *Therapeutic Targeting for Translocation Renal Cell Carcinoma*. This project aims to identify small molecules that selectively bind the leucine zipper domain and disrupt the TFE3-Os/TFE3 interaction. The two aims of this award are: Aim 1) To optimize tool compounds and to identify new small molecule inhibitors targeting TFE3-O dimerization; and Aim 2) To test the biological and antitumor effects of new small molecule inhibitors targeting TFE3-O dimerization.

The continuation award is from the National Cancer Institute/NIH (PI: Remi Adelaiye-Ogala, Medicine) for the research project entitled, *Therapeutic Targeting of Master Regulators in NonCanonical AR Driven Advanced Lethal Prostate Cancers*. The project continues to pull information from molecular studies to recognize the



subset of patients where resistance is driven by non-canonical AR activity using multi-omic-based markers. The long-term goal is to translate preclinical findings into the clinic in the setting of phase I & II clinical trials.



**Ekaterina Noyes**, Professor of Epidemiology and Environmental Health (EEH), and Associate Dean for Translational and Team Science, **Heather Orom**, Associate Professor of Community Health and Health Behavior (CHHB) and Associate Dean for Equity, Diversity and Inclusion, and **Gregory Wilding**, Professor of Biostatistics and the Director of UB's new Office of Clinical Trial Development and Implementation, are Co-I's on a new award from the National Institute on Minority Health and Health Disparities/NIH (PI: Timothy Murphy, Medicine) for the research project entitled, *Igniting Hope in Buffalo, New York Communities: Training the Next Generation of Health Equity Researchers*. This project aims to train and develop the next generation of health disparities investigators to perform innovative research in minority health and health disparities in partnership with our community and to the benefit of the community.



**Riana Pryor**, Assistant Professor of Exercise and Nutrition Sciences (ENS), is PI on a new award from the US Army Medical Research Acquisition Activity for the research project entitled, *Predicting Responses to Exhaustive, Prolonged and Repeated Exercise Demands (PREPARED) for Health*. Research conducted in this project will expand knowledge to understand environmental and other influences on bioelectrical impedance measurement techniques for total body water and body composition. **Luke Pryor**, Associate Professor of Exercise and Nutrition Sciences and **Hayden Hess**, Assistant Professor of Exercise and Nutrition Sciences are Co-I's on the project.



**Sarahmona Przybyla**, Clinical Associate Professor of Community Health and Health Behavior (CHHB), is Co-I on a new award from D'youville College/HRSA (PI: Gina Prescott, Pharmacy) for the research project entitled, *Affordable Care Act: Public Health Training Centers Program*. The HRSA Community Health Worker (CHW) will be closely aligned with the primary grant goals. The UB team will contribute to committees and working groups for planning the implement activities within the HRSA CHW training grant related to: 1) Advanced Training Development, 2) Academic Pathway Development, 3) Apprenticeship Development Support, 4) Tracking and Evaluation 5) Sustainability Strategies. Important to the development of this new paradigm is the collection of data that can be used to justify and evaluate the training effectiveness, the efficiency of scale, the potential pool of candidates and the regional needs for CHWs and their role in the community who will join regional effort to promote health equity and address social determinants of health.



**Todd Rideout**, Associate Professor of Exercise and Nutrition Sciences (ENS), is PI on a new award from the Eunice Kennedy Shriver National Institute of Child Health & Human Development/NIH for the research project entitled, *Epigenetic Mechanisms in Developmental Programming of Hepatic Lipid Dysfunction by Maternal Hypercholesterolemia*. This research seeks to identify the hepatic epigenomic adaptations to excessive early-life cholesterol exposure and the influence of maternal cholesterol-lowering strategies on the molecular and metabolic features of NAFLD in offspring.



**John Violanti**, Research Professor of Epidemiology and Environmental Health (EEH), is PI on a continuation award from Albert Einstein college of Medicine/CDC for the research project entitled, *Cancer Survival in WTC First Responders vs. Comparable Occupational Cohorts*. The study continues to compare cancer survival and survival related factors of the treated group of responders to an occupationally similar group of non-WTC-exposed responders.





**Jean Wactawski-Wende**, SUNY Distinguished Professor of Epidemiology and Environmental Health (EEH) and Dean of SPHHP is Co-Investigator on a continuation award from the National Institute of Dental & Craniofacial Research/NIH (PI: Keith Kirkwood, Periodontics and Endodontics) for the project entitled, *Immunometabolic Regulation of MDSCs in Periodontitis*. The study is continuing to work toward understanding the mechanisms that underpin the links between degree of obesity and periodontal disease incidence.



**Gregory Wilding**, Professor of Biostatistics, and Director of UB's Office of Clinical Trial Development and Implementation, is Co-I on a new award and a continuation award. The new award is from the National Center for Advancing Translational Sciences/NIH (PI: Larry Hawk, Psychology), for the research project entitled, *Improving Efficiency, Quality, and Equity: Randomized Controlled Evaluations of Remote vs. In-Person Clinical Trial Methods*. The RCTs will be analyzed jointly to assess the degree to which the findings for remote vs. in-person trial methods generalize across conditions and treatment modalities. The team also will explore whether use of remote versus in-person methods differentially impacts representation and retention among under-represented groups.

The continuation award is from the National Institute of Neurological Disorders and Stroke/NIH (PI: Ferdinand Schweser, Neurology) for the research project entitled, *Deep Gray Matter Iron and Disease Progression in Multiple Sclerosis*. The project seeks to determine a generalizable model of the evolution of imaging markers over time in patients relative to controls; cellular and molecular underpinnings of the imaging markers; and how imaging markers of iron are linked to neurodegeneration and injury in the white matter.

## General Notice

[NOT-OD-24-160](#) – Revisions to the Fellowship Application & Review Process Webinar on September 19, 2024 – Register Today!

***Attention fellowship candidates, sponsors, research program administrators, and anyone else involved with NIH fellowship application preparation!***

The NIH fellowship application and review criteria are undergoing changes effective for due dates on or after January 25, 2025. Changes include a restructuring of the review criteria used to determine overall impact scores, as well as modifications to the PHS Fellowship Supplemental Form, candidate biosketch, and referee letter instructions. Together, these changes will improve the ability of peer review to identify the most promising fellowship candidates for funding by the NIH. Visit the [NIH Grants Event Page](#) for presenters, additional resources, and registration link.

Ready to learn how these changes will impact your application? To help you prepare, the NIH is hosting a webinar on September 19, 2024.

**Webinar:** *Revisions to the Fellowship Application & Review Process*

- Date: Thursday, September 19, 2024
- Time: 2:00 – 3:00 p.m. ET
- Free virtual event
- [Registration Required](#)



## Requests for Proposal

[NOT-OD-24-134](#) Extramural Loan Repayment Program for Clinical Researchers (LRP-CR)

[NOT-OD-24-135](#) Extramural Loan Repayment Program for Pediatric Research (LRP-PR)

[NOT-OD-24-136](#) Extramural Loan Repayment Program for Health Disparities Research (LRP-HDR)

[NOT-OD-24-137](#) Extramural Loan Repayment Program for Research in Emerging Areas Critical to Human Health (LRP-REACH)

[NOT-OD-24-138](#) Extramural Clinical Research Loan Repayment Program for Individuals from Disadvantaged Backgrounds (LRP-IDB)

The NIH Loan Repayment Programs (LRPs) are programs established by Congress and designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers. Additional detailed information about each LRP is provided at [www.lrp.nih.gov](http://www.lrp.nih.gov). Extramural LRP applications will be accepted from **September 1 until November 21, 2024**. All LRP applications must be submitted electronically using the Application Submission System & Interface for Submission Tracking (ASSIST).

## Notice of Intent to Publish

[NOT-CA-24-077](#)

**Notice of Intent to Publish a funding Opportunity Announcement for NCI Pathway to Independent Award (K99-R00 – Independent Clinical Trial Optional)**

The NCI intends to issue a NOFO, the NCI Pathway to Independence Award that makes significant changes to the NIH Pathway to Independence Award (Parent K99/R00), including expanding the K99 eligibility window from 4 to 6 years of postdoctoral research training experience. The primary purpose of the NCI Pathway to Independence Award program is to increase and maintain a strong cohort of talented and creative NCI-supported independent investigators. The NOFO is designed to facilitate the transition of talented postdoctoral researchers who have up to 6 years of post-graduation research training experience from their mentored, postdoctoral research positions to independent tenure-track (or equivalent) faculty positions. **Estimated publication date of Notice of Funding is November 1, 2024 with the first estimated application due date of February 14, 2025.**

## Notice of Special Interest

[NOT-OD-24-146](#)

**Improving Adherence to Treatment and Prevention Regimens and Maintenance of Health Behaviors to Promote Health**

This notice is being re-issued by the NIH Adherence Network through the Office of Behavioral and Social Sciences Research (OBSSR), with participation from multiple NIH Institutes, Centers, and Offices. This NOSI calls for research grant applications that address adherence to recommended treatment and prevention regimens or maintenance of behaviors to promote positive health outcomes (collectively referred to as health behaviors). Applications may address health behavior initiation, execution, and/or persistence through mechanistic studies, efficacy trials, or implementation research.

[NOT-CA-24-060](#)

**Advancing Diet and Physical Activity Biomarkers for Assessing Lifestyle Interventions in Cancer Prevention and Cancer Interception Research**

This NOSI is to support applications improving diet and/or physical activity assessment biomarker development for evaluating lifestyle-based cancer prevention and interception approaches across diverse settings. Multiple principal investigator structured applications with the appropriate expertise are encouraged to apply. Preclinical and pilot human studies assessing baseline and recovery biomarkers for dietary intake, nutritional status, and/or physical activity intervention(s) as complementary exposures are important for early cancer prevention and its interception in high-risk individuals or groups. *Applicants are strongly advised to review the specific Application Due Date Table for each NOFO (listed near the bottom of the NOSI) before applying to this NOSI.* This notice applies to due dates on or after **October 5, 2024, and subsequent application due dates through January 08, 2027 (the expiration date for this NOSI).**



[NOT-AI-24-059](#)**Ending the HIV Epidemic (EHE)**

The objective of this NOSI is to solicit applications proposing research that is grounded in implementation science and can address the goals of the Ending the HIV Epidemic in the U.S. (EHE) initiative. The overall objective of the EHE initiative is to address the ongoing public health crisis by reducing the number of incident HIV infections in the United States by 75 percent by 2025 and by at least 90 percent by 2030, compared to the baseline infection rate in 2017. This notice applies to due dates on or after **September 7, 2024, and subsequent receipt dates through January 9, 2026.**

[NOT-CA-24-073](#)**Factors Impacting How Time-Restricted Eating (TRE) Influences Cancer-related Outcomes**

The purpose of this notice of special interest (NOSI) is to promote studies examining the sustainability of TRE and the potential impact it may have on obesity and cancer across the cancer continuum. This notice applies to due dates on or after **September 26, 2024, and subsequent receipt dates through May 8, 2027.**

[NOT-AG-24-017](#)**Maximizing the Scientific Value of Secondary Analyses of Existing Cohorts and Datasets in Order to Address Research Gaps and Foster Additional Opportunities in Aging Research**

The goal of this notice is to encourage the use of existing cohorts and datasets for well-focused secondary analyses to investigate novel scientific ideas and/or address clinically related issues on: (1) aging changes influencing health across the lifespan (e.g., Alzheimer's disease (AD) and Alzheimer's disease-related dementias (ADRD)), (2) diseases and disabilities in older persons, and/or (3) the changes in basic biology of aging that underlie these impacts on health (the hallmarks of aging). This notice applies to due dates on or after **October 5, 2024 and subsequent receipt dates through January 8, 2025.**

[NOT-CA-24-074](#)**Advancing Diet and Physical Activity Biomarkers for Assessing Lifestyle Interventions in Cancer Prevention and Cancer Interception Research**

This NOSI is to support applications improving diet and/or physical activity assessment biomarker development for evaluating lifestyle-based cancer prevention and interception approaches across diverse settings. This Notice will serve as an important advancement in first-line diet and physical activity lifestyle interventions for reducing cancer risks in healthy and at-risk individuals and groups (e.g., obesity-related cancers). NCI DCP is particularly interested in studies developing and evaluating rigorous diet and/or physical activity baseline and recovery biomarker studies for use in long-term cancer risk reduction and its interception studies in high-risk groups across the lifecycle. This NOSI replaces [NOT-CA-24-060](#), published on June 12, 2024. This notice applies to due dates on or after **October 5, 2024, and subsequent application due dates through January 8, 2027** (*the expiration date for this NOSI*).

**Policy Notices****[NOT-OD-24-163](#) – NIH's Adoption of common Forms for Biographical Sketch and Current and Pending (Other) Support by May 25, 2025**

The Common Forms represent a collaborative effort between federal research agencies to ensure standard disclosure requirements as outlined in the [National Security Presidential Memorandum - 33](#). The approved Common Forms for Biographical Sketch and Current and Pending (Other) Support (OMB Number 3145-0279 managed by the U.S. National Science Foundation (NSF)), can be accessed at NSF's website at [NSTC Research Security Subcommittee NSPM-33 Implementation Guidance Disclosure Requirements & Standardization](#). *NIH Common Forms Implementation* - NIH will implement the Common Forms without change to any collection fields. However, in accordance with NIH's Peer Review Regulations at [42 Code of Federal Regulations Part 52h](#), NIH currently plans to continue collecting three required agency specific data elements (i.e., Personal Statement, Contributions to Science, and Honors) to assess qualifications. ***These data elements will be collected separately from the Common Forms on a new NIH Biographical Sketch Supplement.*** Please see notice for additional information.



## NIH Funding Opportunities: Request for Applications (RFA)

### Addictions

[RFA-DA-25-044](#) – (R01 Basic Experimental Studies with Humans Required)

[RFA-DA-25-045](#) – (R01 Clinical Trials Not Allowed)

#### **Mechanistic Studies to Investigate the Interrelationship Between Sleep and/or Circadian Rhythms and Substance Use Disorders**

The purpose of this notice is to support basic science experimental studies involving humans and research project applications (RFA-DA-25-045) to expand our knowledge of the interrelationships and biological mechanisms (RFA-DA-25-045) between sleep/circadian rhythms and substance use disorders (SUDs). These mechanistic and basic science (RFA-DA-25-045) experimental studies will offer insights into the fundamental processes that link SUDs to sleep/circadian rhythms and vice-versa, and may also have implications for managing risks associated with developing SUDs and/or identifying new targets for prevention and therapeutics. This NOFO requires a Plan for Enhancing Diverse Perspectives (PEDP).

**Application Due Date:** October 29, 2024. **Expiration Date:** October 30, 2024.

[RFA-DA-25-037](#) – (U01 Clinical Trial Not Allowed)

[RFA-DA-25-038](#) – (U24 Clinical Trial Not Allowed)

#### **Translating Socioenvironmental Influences on Neurocognitive Development and Addiction Risk (TransSINDA)**

The goals of these TransSINDA opportunities are 1) to support team science research projects aimed at employing longitudinal research designs in animal models and advanced neuroscience and theoretical tools to elucidate mechanisms mediating the impact of the early-life social environment on neurobehavioral development and the emergence of neurobehavioral phenotypes relevant to risk for, or resilience to, SUD and their comorbidities and 2) to support a multidisciplinary team to create the TransSINDA Data Coordination Center (DCC). Both NOFOs require a Plan for Enhancing Diverse Perspectives (PEDP). **Application Due Date:** December 3, 2024. **Expiration Date:** December 4, 2024.

### Cancer

[RFA-CA-24-027](#) – (R01 Clinical Trial Optional)

#### **Addressing Barriers to Healthcare Transitions for Survivors of Childhood and Adolescent Cancers**

The purpose of this RFA is to solicit studies that address barriers to care transitions from pediatric to adult care settings for survivors of childhood and adolescent cancers. The goal of this opportunity is to support the development and testing of interventions and strategies that promote high-quality transitional care for survivors of childhood and adolescent cancers and improve long-term outcomes. **Application Due Date:** October 11, 2024. **Expiration Date:** October 12, 2024.

### HIV/AIDS

[RFA-DA-25-024](#) – (R01 clinical Trial Optional)

#### **High Priority HIV and Substance Use Research**

The purpose of this notice is to support high priority research at the intersection of HIV and substance use. This NOFO invites research projects with the potential to open new areas of HIV/AIDS research and/or lead to new avenues for prevention, treatment and cure of HIV among people who use addictive substances. This initiative is open to both individual researchers and research teams. It addresses basic science, epidemiologic, clinical, intervention, and implementation research related to HIV in people with substance use and substance use disorders (SUDs). The proposed research areas must align with the NIH's HIV/AIDS Research Priorities: [NOT-OD-20-018: UPDATE: NIH HIV/AIDS Research Priorities and Guidelines for Determining HIV/AIDS Funding](#).

**Application Due Date:** multiple dates; see announcement. **Expiration Date:** February 12, 2027.



## Miscellaneous

[RFA-AG-25-003](#) – (U24 Clinical Trial Optional)

### Research Collaboration Network in Structural Racism Measurement and Modeling

This funding opportunity invites applications to form an interdisciplinary network of scholars from a variety of disciplines to collaborate with each other in the measurement and modeling of structural racism to facilitate research on life course health and aging. The purpose of this NOFO is to build collaborations between public health sciences and fields not traditionally included in the health sciences in the operationalization of structural racism. **Application Due Date:** October 17, 2024. **Expiration Date:** October 18, 2024.

[RFA-NS-25-013](#) – (R01 Clinical Trial Not Allowed)

### Clinical Trial Readiness to Understand and Develop Solutions to Social, Ethical, Behavioral Implications and Barriers to Health Equity in ADRD

This notice invites applications for clinical research to uncover social, ethical, and behavioral implications (SEBI) and barriers for health equity research in Alzheimer's Disease Related Dementias. Applications to this NOFO will propose research to establish clinical trial readiness for community-driven interventions to understand and develop solutions addressing barriers to equity in ADRD outcomes among populations defined by the NIH to experience health disparities and communities that intersect with them. **Application Due Date:** October 4, 2024. **Expiration Date:** October 5, 2024.

[RFA-ES-24-004](#) – (R35 Clinical Trial Optional)

### Revolutionizing Innovative, Visionary Environmental Health Research (RIVER)

The RIVER program is intended to invest in people rather than projects; rewarding individuals from the NIEHS grant recipient community who demonstrate a broad vision and potential for continuing their impactful environmental health research and who are most likely to benefit from a program emphasizing flexibility and sustained support. RIVER is intended to support investigators who demonstrate the potential to conduct outstanding, innovative, and transformative research and articulate a clear and compelling vision for revolutionary research to advance the environmental health sciences. For this reason, eligibility is limited. **Application Due Date:** November 1, 2024. **Expiration Date:** November 2, 2024.

[RFA-OD-24-010](#) – (R03 Clinical Trial Not Allowed)

### Building Sustainable Software Tools for Open Science

The purpose of this funding opportunity is to enhance the sustainability and impact of research software tools by enabling the use of best practices and design principles in software development and by leveraging continuing advances in computing. This NOFO is also expected to facilitate the creation of vibrant partnerships between developers and users of software and tools, and to promote FAIR practices for research software to maximize research value. The goal of this NOFO is to enhance the sustainability and impact of research software tools, in accordance with the [NIH Strategic Plan for Data Science](#). **Application Due Date:** multiple dates; see announcement. **Expires:** December 5, 2026.

## NIH Funding Opportunities (PAR)

### Miscellaneous

[PAR-22-181](#) – (R01 Clinical Trial Optional)

### Research Opportunities for New and “At-Risk” Investigators to Promote Workforce Diversity

This funding opportunity is intended to support New Investigators and At-Risk Investigators from diverse backgrounds, including those from groups underrepresented in the health-related sciences. NIDA will support applications that address or seek fundamental knowledge related to addiction sciences. Please see notice for specific areas of research interest by sponsor. **Application Due Date:** multiple dates; see announcement. **Expiration Date:** September 8, 2025.

[PAR-24-231](#) – (R01 Clinical Trial Optional)

### Community Level Interventions to Improve Minority Health and Reduce Health Disparities

The purpose of this initiative is to support research to develop and test community-level interventions to improve minority health and reduce health disparities. Please see notice for what is expected for community-level intervention projects as



well as targets of special interests. **Application Due Date:** multiple dates; see announcement. **Expiration Date:** January 8, 2027.

[PAR-24-225](#) – (K99/R00 Independent Clinical Trial Not Allowed)

[PAR-24-226](#) – (K99/R00 Independent Clinical Trial Required)

[PAR-24-227](#) – (K99-R00 Independent Basis Experimental Studies with Humans Required (BESH))

### **Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity**

The purpose of the MOSAIC program is to support a cohort of early career, independent investigators from diverse backgrounds (for example, individuals from [underrepresented groups](#)) conducting research in NIH mission areas. The goal of the MOSAIC Postdoctoral Career Transition Award to Promote Diversity program is to facilitate a timely transition of promising postdoctoral researchers from diverse backgrounds from their mentored postdoctoral research positions to independent, tenure-track or equivalent research-intensive faculty positions. [PAR-24-225](#) is designed specifically to support candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary clinical trial. [PAR-24-226](#) is designed specifically to support candidates proposing to serve as the lead investigator of an independent clinical trial, a clinical trial feasibility study, or a separate ancillary study to an existing trial, as part of their research and career development. [PAR-24-227](#) 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. **Application Due Date:** multiple dates; see announcement. **Expiration Date:** September 8, 2027.

### **UB Limited Submissions**

Only one application per institution is allowed for the following FOAs and prior approval from the OVPR is required to be the sole applicant. If interested in applying, please provide the OVPR with notification 60 days prior to the deadline to [ovpr.limitedsubmission@research.buffalo.edu](mailto:ovpr.limitedsubmission@research.buffalo.edu) before proceeding with the application.

### [Limited Submission Funding Opportunities](#)

Prior Research Opportunities can be found on the SPHHP RAS website and by clicking the link below:

### [Research Opportunities from Past Newsletters](#)

## **Robert Wood Johnson Foundation Funding Opportunities**

### [Evidence for Action: Innovative Research to Advance Racial Equity](#)

This funding is geared toward studies about “upstream” causes of health inequities, such as the systems, structures, laws, policies, norms, and practices that determine the distribution of resources and opportunities, which in turn influence individuals’ options and behaviors. Research should center on the needs and experiences of communities exhibiting the greatest health burdens and be motivated by real-world priorities. **Applications are accepted on a rolling basis.**

### [Pioneering Ideas: Exploring the Future to Build a Culture of Health](#)

This opportunity seeks proposals primed to impact health equity moving forward. We are interested in ideas that address any of these four areas of focus: Future of Evidence; Future of Social Interaction; Future of Food; Future of Work. Additionally, we welcome ideas that might fall outside of these four focus areas, but which offer unique approaches to advancing health equity and our progress toward a Culture of Health. **Applications are accepted on a rolling basis.**



### Words to Live By

Recently, UB received high rankings for its sustainable development practices in the Times Higher Education Impact Rankings for 2024. Specifically, UB placed No. 1 in the U.S. and No. 38 globally among 1,498 universities for the impact of its global health research, and it ranked 2nd in the U.S. and 18th globally for climate action.

These accomplishments were celebrated by UB Provost Scott Weber who stated in *The Buffalo News*, “We are immensely proud of the UB faculty, students and staff whose research and innovations positively impact the world and whose dedication is helping our university achieve its sustainability goals.” ..... “These rankings are a recognition of UB’s collective efforts across departments and academic disciplines.”

Thanks to the SPHHP faculty, staff, and students, who are continuing the great work of supporting sustainability!!

For more information on RAS services, visit our website at [sphhp.buffalo.edu/ras](https://sphhp.buffalo.edu/ras)

