



## Environmental Health Disparities and Diversity Funding Opportunities

### Environmental Health Disparities (EHD) Relevant Research and Training

#### Notice of Special Interest (NOSI): Preventive Interventions to Address Cardiometabolic Risk Factors in Populations That Experience Health Disparities

<https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-154.html>

This NOSI focuses specifically on preventive interventions addressing cardiometabolic risk factors across the lifespan in populations that experience health disparities. Efforts to improve these risk factors should be based on research that identifies and addresses relevant determinants of health at individual, interpersonal, organizational, community, and societal levels. As part of proposed prevention interventions, investigators should work in collaboration with appropriate community, service system, and/or health care partners to develop and evaluate interventions that are relevant, acceptable, and sustainable in community and service settings.

Proposed projects must include an intervention that addresses at least one cardiometabolic risk factor, alone or in combination with other types of risk factors (e.g., smoking, occupational risks), in one or more populations that experience health disparities.

**Application Deadlines:** Applications are accepted through September 8, 2025.

**Program Contact:** Melissa Smarr, [melissa.smarr@nih.gov](mailto:melissa.smarr@nih.gov)

#### Notice of Special Interest (NOSI): Stimulating Intervention Research to Reduce Cardiopulmonary Impacts of Particulate Matter in Air Pollution Among High-Risk Populations

<https://grants.nih.gov/grants/guide/notice-files/NOT-HL-20-788.html>

The purpose of this trans-NIH Notice of Special Interest (NOSI) is to inform potential applicants we have a special interest in applications aiming to investigate the impact of personal interventions to reduce exposure to particulate matter (PM) in air pollution on cardiovascular and pulmonary (cardiopulmonary) outcomes. This notice specifically encourages intervention studies or clinical trials that examine the efficacy of personal air pollution interventions to reduce the adverse cardiopulmonary effects of PM <math>2.5\ \mu\text{m}</math> in diameter (PM<sub>2.5</sub>) in high-risk or vulnerable participants.

**Application Deadlines:** Applications are accepted through September 8, 2025.

**Program Contacts:** Bonnie Joubert, [bonnie.joubert@nih.gov](mailto:bonnie.joubert@nih.gov),  
Sri Nadadur, [nadadurs@niehs.nih.gov](mailto:nadadurs@niehs.nih.gov).



#### Notice of Special Interest (NOSI): Epidemiologic Studies in Asian Americans, Native Hawaiians, and Pacific Islanders (Parent R01 Clinical Trial Not Allowed)

<https://grants.nih.gov/grants/guide/notice-files/NOT-HL-23-001.html>

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative population-based research that can contribute to identifying and characterizing pathways and mechanisms through which work or occupation influences health outcomes and health status among populations with health and/or health care disparities, and how work functions as a social determinant of health.

**New Application Deadlines:** June 5, 2023; February 5, 2024;  
June 5, 2024

**Program Contact:** Lindsey Martin, [lindsey.martin@nih.gov](mailto:lindsey.martin@nih.gov).

#### Measures and Methods to Advance Research on Minority Health and Health Disparities-Related Constructs

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-072.html>

The purpose of this Funding Opportunity Announcement (FOA) is to support research that will advance the measurement and methodology of complex constructs relevant to minority health and health disparities.

**Application Deadlines:** February 5, 2023; February 5, 2024

**Program Contacts:** Lindsey Martin, [lindsey.martin@nih.gov](mailto:lindsey.martin@nih.gov),  
and Melissa Smarr, [melissa.smarr@nih.gov](mailto:melissa.smarr@nih.gov)

#### The Role of Work in Health Disparities in the U.S.

<https://grants.nih.gov/grants/guide/pa-files/PAR-21-275.html>

The purpose of this FOA is to support innovative population-based research that can contribute to identifying and characterizing pathways and mechanisms through which work or occupation influences health outcomes and health status among populations with health and/or health care disparities, and how work functions as a social determinant of health.

**New Application Deadlines:** June 5, 2023; October 5, 2023;  
February 5, 2024; June 5, 2024

**Program Contact:** Lindsey Martin, [lindsey.martin@nih.gov](mailto:lindsey.martin@nih.gov)



### Addressing the Impact of Structural Racism and Discrimination on Minority Health and Health Disparities (R01 – Clinical Trial Optional)

<https://grants.nih.gov/grants/guide/pa-files/PAR-23-112.html>

Research projects must address structural racism and discrimination (SRD) in one or more NIH-designated populations with health disparities in the U.S., and should address documented disparities in health outcomes. Applications are expected to provide a justification for why the specific types of SRD included constitute SRD, such as how the racism or discrimination is structural rather than reflecting individual-level behavior, and how the SRD results in differential treatment or outcomes for less advantaged individuals, groups, or populations. It is also expected that projects will collect data on SRD beyond individual self-reported perceptions and experiences to include data at organizational, community, or societal levels.

**Due Dates:** March 24, 2023; October 10, 2023; October 9, 2024; October 9, 2025

**Contact:** Lindsey Martin, [lindsey.martin@nih.gov](mailto:lindsey.martin@nih.gov)

*This initiative will support intervention research to address the impact of structural racism and discrimination (SRD) on minority health and health disparities. Research projects must address SRD in one or more NIH-designated populations with health disparities in the US and should address documented disparities in health outcomes. Applications are expected to provide a justification for why the specific types of SRD included constitute SRD, such as how the racism or discrimination is structural rather than reflecting individual-level behavior and how the SRD results in differential treatment or outcomes for less advantaged individuals, groups or populations. It is also expected that projects will collect data on SRD beyond individual self-reported perceptions and experiences to include data at organizational, community or societal levels.*

### Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants (R01 Clinical Trial Optional)

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-210.html>

This FOA encourages multidisciplinary projects to investigate the potential health risks of environmental exposures of concern to a community and to develop and implement an environmental public health action plan based on research findings. Projects supported under this program will employ community-engaged research methods to conduct research and to translate research findings into public health action. This announcement reflects NIEHS' and NIMHD's commitment to environmental health disparities and environmental justice research.

**New Application Deadlines:** Standard dates apply.

**Program Contact:** Liam O'Fallon, [ofallon@niehs.nih.gov](mailto:ofallon@niehs.nih.gov)

## NIEHS Workforce Diversity Funding Opportunities

### Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31-Diversity)

<https://researchtraining.nih.gov/programs/fellowships/F31>

<https://grants.nih.gov/grants/guide/pa-files/PAR-20-238.html>

<https://grants.nih.gov/grants/guide/pa-files/PAR-20-214.html>

This program enhances the diversity of the health-related research workforce by supporting the research training of predoctoral students from population groups that have been shown to be underrepresented in the biomedical, behavioral, or clinical research workforce.

**Eligibility:** U.S. citizen or permanent resident enrolled in a research doctoral degree program at U.S. and foreign institutions.

**Application Dates:** Annually on April 8, August 8, December 8

**Program Contact:** Mike Humble, [humble@niehs.nih.gov](mailto:humble@niehs.nih.gov)

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

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-181.html>

This FOA solicits R01 grant applications that propose independent research projects that are within the scientific mission areas of the participating NIH Institutes or Centers. This program is intended to support New Investigators and At-Risk Investigators from diverse backgrounds, including those from groups underrepresented in the health-related sciences. Investigators from diverse backgrounds, including those from underrepresented groups (e.g., see NOT-OD-20-031, Notice of NIH's Interest in Diversity), are encouraged to work with their institutions to apply for support under this program.

**Application Dates:** Accepted three times per year through May 2025.

**Program Contacts:** No NIEHS contact, see FOA for other IC contacts.

### Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00)

<https://www.nigms.nih.gov/training/careerdev/Pages/Answers-to-Frequently-Asked-Questions-About-the-NIH-MOSAIC-Program.aspx>

The MOSAIC program supports the transition of postdoctoral researchers from diverse backgrounds into independent research careers. The long-term goal of this program is to enhance diversity in the biomedical research workforce. The program is designed to facilitate a timely transition of promising postdoctoral researchers from diverse backgrounds (e.g., see NIH's Interest in Diversity) from their mentored, postdoctoral research positions to independent, tenure-track, or equivalent faculty positions at research-intensive institutions. MOSAIC researchers will also have the opportunity to participate in mentoring, networking, and other professional development activities.

**Eligibility:** Early career researchers with no more than four years of postdoctoral research experience who are from backgrounds underrepresented in biomedical research. Only U.S. citizens or permanent residents are eligible to apply.

**Application Dates:** Applications accepted through September 8, 2024. Standard dates apply.

**Program Contact:** Carol Shreffler, [shreffl1@niehs.nih.gov](mailto:shreffl1@niehs.nih.gov)

## R15 Research Enhancement Award Program for Health Professional Schools and Graduate Schools

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-060.html>

The purpose of the Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools is to support small-scale research grants at institutions that do not receive substantial funding from the NIH, with an emphasis on providing biomedical research experiences primarily for health professional, undergraduate, and graduate students, and enhancing the research environment at applicant institutions.

**Application Dates:** Accepted three times per year through October 2024.

**NIEHS Program Contact:** Astrid Haugen, [haugen@niehs.nih.gov](mailto:haugen@niehs.nih.gov)

## R15 Academic Research Enhancement Award for Undergraduate-Focused Institutions

<https://grants.nih.gov/grants/guide/pa-files/PAR-21-155.html>

The purpose of this Academic Research Enhancement Award (AREA) for Undergraduate-Focused Institutions is to support small-scale research grants at institutions that do not receive substantial funding from the NIH, with an emphasis on providing biomedical research experiences primarily for undergraduate students and enhancing the research environment at applicant institutions.

**Application Dates:** Accepted three times per year through October 2024.

**Program Contact:** Astrid Haugen, [haugen@niehs.nih.gov](mailto:haugen@niehs.nih.gov)

## NIEHS Workforce Diversity Supplements

NIEHS is committed to ensuring a diverse environmental health science workforce. Workforce diversity supplements are one way we help grantees recruit and train people who are typically underrepresented in the environmental health science field, or who are reentering the workforce after taking time off for personal reasons.

### How do I apply for a supplement?

Use the [NIH Assist program](#) and apply using this funding announcement: <https://grants.nih.gov/grants/guide/pa-files/PA-21-071.html>

### Who can apply?

Recipients with active NIEHS research grants that have at least two years or more of funding remaining are eligible to apply.

### What can funds be used for?

Funds can only be used to cover the cost of salary, supplies, and travel for eligible recipients. See the “[Table of IC-Specific Information](#)” in the Program Announcement for more detail on budgetary limitations.

### What are the submission deadlines?

NIEHS reviews diversity supplement applications once a month to ensure that individuals can get funding as soon as possible.

### Are there restrictions?

An individual may be supported under only one diversity supplement at a time. However, the individual may be supported by more than one diversity supplement during their research career. Once an individual has been funded by a grant, they are not eligible to apply for a diversity supplement to that same grant.

### How long can individuals be supported by diversity supplements?

High School Students and Undergraduates:

- One year, but can be extended (12 months+)
- Predoctoral: Up to three years (36 months)
- Postdoctoral: Up to two years (24 months)
- Investigator: Up to two years (24 months)

## Who is eligible for diversity supplement support?

NIH does not determine eligibility with regard to the categories listed below. We encourage PIs who are submitting an application for a diversity supplement to review the specific eligibility criteria in the FOA. It is up to the submitting institution to determine the candidate's eligibility.

People eligible to be funded through a diversity supplement include:

- Individuals from racial and ethnic groups underrepresented in biomedical research, including Blacks and African Americans, Hispanics and Latinos, American Indians and Alaska Natives, Native Hawaiians, and other Pacific Islanders.
- Individuals with disabilities.
- Individuals from disadvantaged backgrounds, defined as those who meet two or more of the following criteria:
  - Were, or currently are, homeless.
  - Were, or currently are, in the foster care system, as defined by the Administration for Children and Families.
  - Were eligible for federal free or reduced-price school meals for two or more years.
  - Have, or had, no parents or legal guardians who completed a bachelor's degree.
  - Were, or currently are, eligible for Federal Pell Grants.
  - Received support from the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) as a parent or child.
  - Grew up in one of the following areas: a) a U.S. rural area, or b) a Centers for Medicare and Medicaid Services-designated Health Professional Shortage Area.
  - Students from low socioeconomic status (SES) backgrounds.

## Diversity Supplement Program Contacts:

Scientific: Frederick Tyson, [tyson2@niehs.nih.gov](mailto:tyson2@niehs.nih.gov)

Superfund Scientific: Heather Henry, [heather.henry@niehs.nih.gov](mailto:heather.henry@niehs.nih.gov)

Grants Mgmt.: Michelle Victalino, [victalinom@niehs.nih.gov](mailto:victalinom@niehs.nih.gov)





## Other Opportunities and Resources

### Early Career Reviewer Program

<https://public.csr.nih.gov/ForReviewers/BecomeAReviewer/ECR>

This program aims to help early-career scientists become more competitive as grant applicants through first-hand experience with peer review. It also helps enrich and diversify the Center for Scientific Reviews' pool of trained reviewers.

**Eligibility:** At least one year of experience as full-time faculty or researcher (postdocs are not eligible). This program is intended for early-career investigators, so associate professors are not eligible.

Have experience in independent research. This could be shown through publications, presentations, institutional research support, patents, or acting as supervisor of student projects.

Have at least one senior-authored research publication in a peer-reviewed journal in the last two years, plus at least one additional senior-authored research publication since receiving a doctorate.

Have not served on an NIH study section in any capacity aside from as a mail reviewer. (Mail reviews do not include participation in the meeting.)

Have not held an R01 or R01-equivalent (R35, R37, RF1, R23, R29, DP1, DP2, DP5, U01, RL1) grant in the PI or PD role.

Have submitted a grant proposal, in the PI or PD role, to the NIH and received the associated summary statement.

### NIH Early Career Funding Opportunities

<https://researchtraining.nih.gov/career/early-career>

### NIH Funding Opportunities – Career Development

<https://researchtraining.nih.gov/programs/career-development>

### NIH Diversity Funding Opportunities

<https://extramural-diversity.nih.gov/guidedata/data>

### NIH Grant Writing Guidance

<https://www.niaid.nih.gov/grants-contracts/apply-grant>

### Loan Repayment Program

<https://www.lrp.nih.gov>

The loan repayment program (LRP) attracts health professionals to careers in clinical, pediatric, health disparities, and emerging areas critical to human health research by offering funding for student loan repayment for doctoral-level biomedical or behavioral researchers. The loan repayment is a great way to retain people in science and research by paying their loans. For many, an LRP award is their first “funding,” which builds confidence and eventual grant applications from the LRP awardee. NIEHS participates in four of the six National Institutes of Health Extramural Loan Repayment Programs. For more information, visit <https://niehs.nih.gov/research/supported/training/loan>.

**Eligibility:** Doctoral-level researchers (M.D., Ph.D., or equivalent) who are U.S. citizens or permanent residents conducting research that is funded by a domestic, nonprofit university, or U.S. federal, state, or local government entity.

**Application Period:** February 2023 – November 17, 2023

**Program Contact:** Astrid Haugen, [haugen@niehs.nih.gov](mailto:haugen@niehs.nih.gov)

## Supplements

### Administrative Supplements to Promote Diversity in Research and Development for Small Businesses-SBIR/STTR

<https://grants.nih.gov/grants/guide/pa-files/PA-21-345.html>

<https://sbir.nih.gov/diversifying-your-workforce#diversity-supplement-contacts>

Funds are available for administrative supplements to enhance the diversity of the research and entrepreneurial workforce by recruiting and supporting students, postdoctorates, and eligible investigators from diverse backgrounds, including those from groups that have been shown to be underrepresented in health-related research, women, and socially or economically disadvantaged individuals. Administrative supplements must support work within the scope of the original project. This administrative supplement is designed to provide support for research and entrepreneurial experiences for individuals from the diverse backgrounds throughout the continuum from undergraduate to the faculty level.

**Eligibility:** Organizations and individuals must have an active SBIR or STTR grant, and the research proposed in the supplement must be accomplished within the competitive segment of the active award.

### Application Period:

February 2023 – September 10, 2024.

Applications are accepted on a rolling basis.

**Program Contact:** Lingamanaidu (Ravi) Ravichandran, [lingamanaidu.ravichandran@nih.gov](mailto:lingamanaidu.ravichandran@nih.gov)

### NIH Commitment to Ending Structural Racism

NIH recently launched a webpage highlighting efforts aimed at [Ending Structural Racism](#). Please check this site for upcoming funding opportunities related to health disparities research, as well as increasing the diversity of our biomedical workforce.

For more information on the National Institute of Environmental Health Sciences, go to <https://niehs.nih.gov>.