Funding Opportunities and Interests at the National Institute on Minority Health and Health Disparities

Derrick C. Tabor, PhD, SBIR/STTR Program Official
National Institute on Minority Health and Health Disparities
NIMHD History

- 1990: The Office of Minority Programs
- 1993: Office of Research on Minority Health
- 2000: National Center on Minority Health and Health Disparities (NIMHD)
- 2010: NCMHD elevated to NIMHD
- 2014: John Ruffin, PhD retires
- 2015: Yvonne Maddox, PhD Acting Director
- 2015: Eliseo J. Pérez-Stable, M.D., Director
Eliseo J. Pérez-Stable, M.D.,
Director, NIMHD
NIMHD Mission

The mission of NIMHD is to lead scientific research to improve minority health and eliminate health disparities. To accomplish this, NIMHD:

- Plans, coordinates, reviews and evaluates minority health and health disparities research and activities of the National Institutes of Health
- Conducts and supports research in minority health and health disparities
- Promotes and supports the training of a diverse research workforce
- Translates and disseminates research information
- Fosters innovative collaborations and partnerships
Healthy People 2020: A health disparity is a “particular type of health difference that is closely linked with social, economic, and/or environmental disadvantage.

Health disparities adversely affect groups of people who have systematically experienced greater obstacles to health based on their racial or ethnic group; religion; socioeconomic status; gender; age; mental status; cognitive, sensory or physical disability; sexual orientation or gender identity; geographic location or other characteristics historically linked to discrimination or exclusion.
What Population Groups are of Interest?

- Racial and Ethnic Minorities (including subpopulations):
  - African Americans;
  - American Indians/Alaska Natives;
  - Asian Americans;
  - Hispanic Americans;
  - Native Hawaiians, and other U.S. Pacific Islanders
- Socioeconomically Disadvantaged; and
- Residents in Rural Areas.
NIMHD Priorities

- Define the science of health disparities and minority health
- Promote innovation from extramural scientists in population sciences
- Establish health services and research in clinical settings program
- Fund fewer and outstanding Centers of Excellence – currently there are 50
- Promote diversity in the workforce
NIMHD Extramural Programs

To learn more visit:

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Academic Research Enhancement Award (Parent R15)

- The purpose is to stimulate research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support.

- AREA grants create opportunities for scientists and institutions

- AREA grants are intended to support small-scale research projects
Area Award Eligibility

- The applicant organization must offer baccalaureate or advanced degrees in the biomedical or behavioral sciences.
- The applicant organization may not receive research support from the NIH totaling more than $6 million per year (in both direct and F&A/indirect costs) in each of 4 of the last 7 years.
- Note that the following activity codes are excluded: C06, S10, and all activity codes starting with a G.
Recent Funding Opportunities and Notices

- Development and Translation of Medical Technologies to Reduce Health Disparities (SBIR) (R43/R44). Application Due Date: 07-07-16
- Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Coordinating Center (CC) (U24). Application Due Date: 01-20-16
- Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Research Program Grants (U19). Application Due Date: 01-20-16
- **Notice** of Participation of NIMHD in PAR-16-052 Global Noncommunicable Diseases and Injury Across the Lifespan: Exploratory Research (R21). Released: 12-14-15
- **Notice** of Participation of NIMHD in PA-15-083 NIH Pathway to Independence Award (Parent K99/R00). Released: 11-17-15
NIMHD Extramural Programs

1. Centers of Excellence (COE)
2. Research Endowment
3. Loan Repayment Program (LRP)
4. Community Based Participatory Research Program (CBPR)
5. Minority Health and Health Disparities International Research Training Program (MHIRT)
6. Small Business Innovation Research/Small Business Technology Transfer Program (SBIR/STTR)
7. Investigator-Initiated Research on Health Disparities
8. Resource-Related Minority Health & Health Disparities Research Initiative
9. Scientific Conferences
10. Science Education Initiative (SEI)
11. Transdisciplinary Collaborative Centers for Health Disparities Research (TCC)
Community- Based Participatory Research (CBPR) Initiative (R24)

• Phase I (Planning): Conduct the needs assessment, identify their priorities, and design and pilot-test the intervention. (3 years).

• Phase II (Intervention): Refine the intervention, develop methods to evaluate its effectiveness, and implement the full-scale intervention. (5 years).

• Phase III (Dissemination): Share research findings and insights gained from the effective intervention with the targeted CBPR community (3 years).
Minority Health and Health Disparities International Research Training Program

Funds U.S. institutions to offer short-term research training opportunities in international settings to undergraduate and graduate students from health disparity backgrounds.
Goals

• Encourage undergraduate, graduate, and/or health professions students from backgrounds underrepresented in biomedical, behavioral, clinical, and social sciences to pursue careers in biomedical and/or behavioral health research fields

• Provide training in collaborative research conducted in foreign settings to undergraduate, graduate, and/or health professions students
Minority Health and Health Disparities
International Research Training Program

• Broaden the research interests and scientific training of undergraduate, graduate, and/or health professions students from minority backgrounds to encompass international health issues

• Expose students from minority backgrounds to research initiatives that address health disparities globally
Investigator-Initiated Research on Minority Health and Health Disparities Program

I. Basic Applied Biomedical Research
   • Biological and Genetic Mechanisms of Disease
   • Clinical and Translational Research

II. Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities Research
   • Social and Behavioral Research
   • Health Services Research
   • Health Policy Research
Goal: Support development of resources for the conduct of research in the biomedical, clinical, behavioral and social sciences.

- Focus on one of the following areas:
  - Bioethics
  - Global Health Research
  - Data Infrastructure and Information Dissemination
  - Healthcare for Rural Populations Research

Eligibility:
- All investigators
NIMHD Science Education Program (R25)

**Goal:** Support educational, mentoring, and/or career development programs for individuals from health disparity populations who are underrepresented in biomedical, clinical, behavioral and social sciences.

- Focus areas include:
  - Mentoring and Career Development
  - Health Professions Research Capacity-Building
  - Outreach and Dissemination

**Eligibility:**
- All investigators
Transdisciplinary Collaborative Centers for Health Disparities Research

- Centers to conduct coordinated research, implementation and dissemination activities at the regional level.

- Transdisciplinary coalitions of academic institutions, community organizations, service providers and systems, and government agencies.

- Focus on one of three topic areas:
  - Social determinants of health
  - Policy research
  - Men’s health
NIMHD Loan Repayment Programs

dorothy.castille@nih.gov

Program Description
(http://www.nimhd.nih.gov/programs/extra/lrp.pdf)

The NIMHD Loan Repayment Program (LRP) offers loan repayment awards of up to $35,000 per year to health professionals with doctorate degrees (e.g., M.D., Ph.D., Dr. P.H.). Grantees must conduct health disparities or clinical research in non-federal research settings for at least two years. The program aims to increase the pool of highly qualified researchers who conduct health disparities research.

- NIMHD Loan Repayment Program for Health Disparities Research
- NIMHD Extramural Clinical Research Loan Repayment Program for Individuals from Disadvantaged Backgrounds
Resources for Small Businesses
The NIH Omnibus Solicitations

- SBIR Omnibus Funding Opportunity Announcement …NIH PA-15-269
- STTR Omnibus Funding Opportunity Announcement …NIH PA-15-270….STTR

- Topics of Interest….
Relevant Opportunities Beyond The Omnibus/Parent SBIR and STTR Solicitations

- NIMHD & NIBIB RFA-EB-15-001, 16-001
- NIMHD RFA-MD-15-008, 16-XXY
- NIMHD RFA-MD-15-009, 16-XXZ
Purpose

- Develop technologies and products that lead to improved health, healthcare delivery and the elimination of health disparities
  - Sustainable Health Promoting Activities/Technologies
  - Technological Interventions
  - Engage, Empower, and Motivate
  - HIV/AIDS
  - Obesity
  - Rural Communities
  - Phase I and II’s
Purpose: This announcement supports proposals to develop medical devices, imaging systems, and other technologies that adequately address the healthcare needs of health disparity populations.

Responsive grant applications must involve a formal collaboration with a healthcare provider or other healthcare organization serving a health disparity population during Phase I and Phase II.

Application Due Date: March 4, 2016
Key Strategies

• Outreach is a core commitment
• Engage Communities (including Health Care Providers*) in the Research Process
• Harness the Power and Insights of Diverse Communities
• Identify/Eliminate the Barriers these Communities Encounter
  • Barriers: Cultural, Environmental, Economic, Physical, Knowledge
• Translate/Commercialize Research Findings
RFA-MD-15-008  Technologies for Improving Population Health and Eliminating Health Disparities (STTR [R41/R42])


**Purpose:** To stimulate a partnership of ideas and technologies between innovative small business concerns (SBCs) and non-profit research institutions resulting in improving minority health and the reduction of health disparities by commercializing innovative technologies.

**Priority Areas:** Cardiovascular disease, Stroke, Cancer, Diabetes, HIV/AIDS, Infant mortality, Mental health, Obesity, Lung, Liver, and Kidney diseases, Psoriasis, Scleroderma

**Application Due Date:** July 23, 2015 Closed
RFA-MD-15-009  Technologies for Healthy Living – Improving Population Health and Eliminating Health disparities (SBIR [R43/R44])


**Purpose:** To engage small business concerns (SBC) in developing technologies and products that *engage, empower, and motivate individuals and communities*, including providers and healthcare institutions, in sustainable health promoting activities and interventions that lead to improved health, healthcare delivery, and the elimination of health disparities. Appropriate technologies must be effective, affordable, culturally acceptable, and easily accessible to those who need them.

**Application Due Date:** July 23, 2015 CLOSED
Seeking Innovative Technologies…

• Facilitate or enhance care coordination
• Empower and promote opportunities for individuals and communities...
• Tools, technologies, and methods for detecting, measuring, and assessing…
• Expand opportunities to access and utilize high-quality prenatal care…
Seeking Innovative Technologies…

- Culturally appropriate survey instruments, tools, modules and databases…
- Innovative software, tools and technology for Science and Health Education…
- Mobile health (mHealth) and telehealth/telemedicine technologies and apps…
Mobile technologies currently under study:

- Improving Asthma control through MHealth-Based Home Monitoring
- A mobile framework to measure ejection fraction by automated non-invasive analysis
- Development of a smartphone mobile app for HIV Care and prevention in YMSM
- Self-applied wearable therapy for osteoarthritis in rural communities
Mandated by Congress in the FY2015 Appropriations Bill (HR 83) for clarity on NIH research priority setting and process to ensure sound stewardship of the public's investment in biomedical and behavioral research

First NIH-wide strategic plan

NIH Institutes and Centers have strategic plans addressing their individual missions

Other strategic plans focused on specific research areas, such as women’s health, obesity, and health disparities
NIMHD Vision

The NIMHD envisions an America in which all populations will have an equal opportunity to live long, healthy and productive lives.
What are the Big Questions in Health Disparities?

A: The issue is complex. Race and ethnicity play a central role but so does socioeconomic status and social determinants are critical. …So I’m excited about the scientific questions that can be asked using this laboratory of the diverse population in the United States. The issue of race, ethnicity, looked at not necessarily just from a social perspective, but also from a systems, behavioral, and biological perspective and how these interact. That's something that will not only help us reduce health disparities, but will also help us understand mechanisms of how disease operates and adverse outcomes develop.

Next Steps…

1. Discussion and Questions…

2. An Invitation…
   When: 8:00 AM, June 7, 2016
   Where: Bldg: 31-6C, Rm 10 & 7
   NIH Main Campus, Bethesda, MD
   Event: Meeting of the National Advisory Council on Minority Health and Health Disparities (NACMHD)