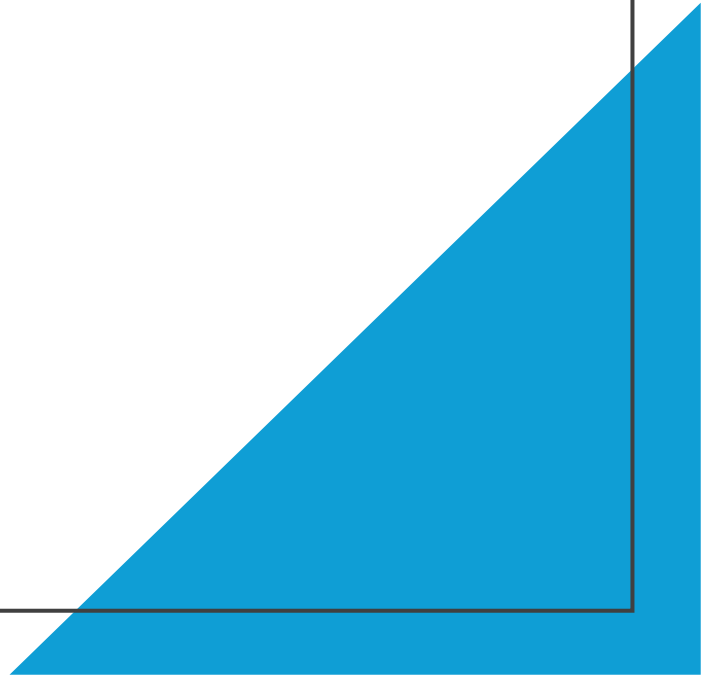


# Successful NIH Grant Awards: The Winning Process

- Cynthia Warrick, PhD
- Theresa Bailey, PhD
  
- June 4, 2024





**National Institutes of Health**  
*Turning Discovery Into Health*

## What is the National Institutes of Health (NIH)?

- NIH is composed of 27 Institutes and Centers, each with a specific research agenda, focused on particular diseases and body systems.
- NIH's mission is to seek fundamental knowledge about the nature and behavior of living systems and the application of that knowledge to enhance health, lengthen life, and reduce illness and disability.

# NIH Institutes

- National Cancer Institute (NCI) — Est. 1937
- National Eye Institute (NEI) — Est. 1968
- National Heart, Lung, and Blood Institute (NHLBI) — Est. 1948
- National Human Genome Research Institute (NHGRI) — Est. 1989
- National Institute on Aging (NIA) — Est. 1974
- National Institute on Alcohol Abuse and Alcoholism (NIAAA) — Est. 1970
- National Institute of Allergy and Infectious Diseases (NIAID) — Est. 1948
- National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) — Est. 1986
- National Institute of Biomedical Imaging and Bioengineering (NIBIB) — Est. 2000
- National Institute of Child Health and Human Development (NICHD) — Est. 1962
- National Institute on Deafness and Other Communication Disorders (NIDCD) — Est. 1988

# NIH Institutes cont.

- National Institute of Dental and Craniofacial Research (NIDCR) — Est. 1948
- National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) — Est. 1950
- National Institute on Drug Abuse (NIDA) — Est. 1974
- National Institute of Environmental Health Sciences (NIEHS) — Est. 1969
- National Institute of General Medical Sciences (NIGMS) — Est. 1962
- National Institute of Mental Health (NIMH) — Est. 1949
- National Institute on Minority Health and Health Disparities (NIMHD) — Est. 2010
- National Institute of Neurological Disorders and Stroke (NINDS) — Est. 1950
- National Institute of Nursing Research (NINR) — Est. 1986
- National Library of Medicine (NLM) — Est. 1956

# NIH Centers

- [NIH Clinical Center \(CC\)](#) — Est. 1953
- [Center for Information Technology \(CIT\)](#) — Est. 1964
- [Center for Scientific Review \(CSR\)](#) — Est. 1946
- [Fogarty International Center \(FIC\)](#) — Est. 1968
- [National Center for Advancing Translational Sciences \(NCATS\)](#) — Est. 2011
- [National Center for Complementary and Integrative Health \(NCCIH\)](#) — Est. 1999

# NIH Grant Programs are designated by Institute, Center, and Program Activity



- NIH is the largest public funder of biomedical research in the world, investing more than \$32 billion a year to enhance life, and reduce illness and disability.

- The main types of grant funding are:
  - Research Grants (R series)
    - NIH Academic Research Enhancement Award (AREA R15)
  - Career Development Awards (K series)
  - Research Training (T series)
  - Fellowships (F series)
  - Program Project (P series)
  - Center Grants (U series)
  - NIH Support for Conferences and Scientific Meetings (R13 and U13)

# How do HBCUs fare in grants funded by the NIH?

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- US Department of Education recognizes 102 accredited HBCUs, consisting of 2-year, 4-year, and the separate Schools of Medicine.
- Minus Morehouse, Charles Drew, and Meharry Schools of Medicine, only 34 HBCUs have current active funding from the NIH.



## Top 8 HBCUs with Current Funding from NIH by # of projects, Total Funding, & Indirect Costs (Source: NIH Reporter)

Institution	# of Projects	Total Current Funding	Indirect Costs
Xavier University LA	27	\$ 17,434,704.00	\$ 5,480,675.00
Howard University	33	\$ 17,295,603.00	\$ 3,812,745.00
Tuskegee University	19	\$ 15,789,836.00	\$ 2,279,531.00
North Carolina A&T	24	\$ 15,102,010.00	\$ 1,472,524.00
Jackson State Univ.	20	\$ 12,785,818.00	\$ 2,528,792.00
North Carolina Central	26	\$ 12,650,553.00	\$ 3,855,463.00
Delaware State Univ.	25	\$ 12,500,601.00	\$ 3,244,900.00
Florida A&M University	24	\$ 8,938,002.00	\$ 2,558,119.00



# HBCUs with active current NIH Funding – May 2024

- Total HBCUs = 34
- Total Projects = 285
- Total Funding = \$153.2 million
- Total Indirect Costs = \$32 mil
- Private HBCUs = 9
- Public HBCUs = 25
- Institutes with most projects
  - NIGMS = 100
  - NIMHD = 67
  - NCI = 45
- Most Funded Activity Codes
  - U54 = 101
  - R16 = 31
  - R25 = 19
  - T34 = 18
  - R01 = 14
  - SC1 = 14
  - P20 = 13



# GRANTS & FUNDING

NIH Central Resource for Grants and Funding Information

- <https://grants.nih.gov/>
- Grants Process Overview
  - Institution registered with eRA Commons?
  - Investigator registered with eRA Commons?
- Finding Funding
  - For HBCUs, it's best to search by the Institute or Activity that other HBCUs have been funded.
  - It takes 9-12 months to write a competitive application.
  - To be competitive, you will need investigators or collaborators / mentors who have been funded by NIH
  - Support the time of prospective investigators

# Open Program Announcements to Review

- IDeA Networks of Biomedical Research Excellence (INBRE) (P20 Clinical Trial Optional)
  - <https://grants.nih.gov/grants/guide/pa-files/PAR-23-100.html>
- Building Interdisciplinary Research Careers in Women's Health (BIRCWH) (K12 Clinical Trial Optional)
  - <https://grants.nih.gov/grants/guide/rfa-files/RFA-OD-24-013.html>
- NIA MSTEM: Advancing Diversity in Aging Research (ADAR) through Undergraduate Education (R25 - Independent Clinical Trial Not Allowed)
  - <https://grants.nih.gov/grants/guide/pa-files/PAR-24-135.html>
- Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE) (U54 Clinical Trial Optional)
  - <https://grants.nih.gov/grants/guide/pa-files/PAR-23-308.html>
- Promoting Broad Participation in NIDCD's Extramural Workforce through Research Education Experiences and/or Mentoring Networks (R25- Independent Clinical Trial Not Allowed)
  - <https://grants.nih.gov/grants/guide/pa-files/PAR-24-166.html>
- NIA Expanding Research in AD/ADRD (ERA) Summer Research Education Program (R25 - Independent Clinical Trial Not Allowed)
  - <https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-24-013.html>
- Short-Term Research Education Program to Enhance Diversity in Health-Related Research (R25 Clinical Trial Not Allowed)
  - <https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-25-001.html>

# How do you find NIH-funded Collaborators?

- Use the Advanced Search on the NIH Reporter
  - <https://reporter.nih.gov/>
- Search for NIH-funded investigators
  - Institutions where you have existing relationships
  - Institutions that are conveniently located
  - Institutions that want diversity
  - Explore institutions that have used supplements

# Additional Questions?

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