



Historically Black Colleges and Universities and Minority-Serving Institutions (HBCU/MI) Science Program

**Office of the Assistant Secretary of Defense for Research and Engineering
(ASD(R&E))/Basic Research**

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HBCU/MI Science Program Organization and Program Alignments



- **Office of the Assistant Secretary of Defense for Research and Engineering**
 - Chief Technology Officer
 - Oversight of DoD science and technology programs (basic research, applied research, advanced technology development)
 - Strategic direction
 - <https://www.defense.gov/Portals/1/Documents/pubs/Section-901-FY-2017-NDAA-Report.pdf>
- **Basic Research Office**
 - Provide scientific leadership and oversight for basic research programs
 - Stimulate research and encourage support of research programs (HBCU/MI, Vannevar Bush Faculty Fellowships, Minerva, pilot programs)
- **Guidance for research priorities**
 - Overarching National and DoD priorities
 - DoD Component focus areas



HBCU/MI Science Program Statutory Basis



- **Section 2362 of Title 10 of the United States Code**
 - Authorizes a program to provide both funding and technical assistance to covered educational institutions (HBCUs/MIs) to assist the Department in defense-related research, development, testing, and evaluation activities
- **Annual Department of Defense Appropriations Act**
 - Each year, the DoD Appropriations Act provides funds for the HBCU/MI Science Program



Our Relationship with HBCUs/MIs



- **We have a multi-faceted strategy for involving HBCUs/MIs and their faculty and students in DoD basic research programs, STEM activities, and encouraging students to consider a DoD career.**
 - Outreach
 - Communication
 - Technical assistance
 - Mentoring
 - Showcase opportunities, capabilities, and results
 - Strategy: http://oasdre-hbcumiworkshop.com/presentations_workshop_oasdre.html
- **We seek to inform HBCUs/MIs and their faculty and students of opportunities (e.g., scholarships, internships, faculty fellowships, research and equipment grants) so they can make informed decisions regarding participation.**
- **We also inform DoD staff of the capabilities of HBCUs/MIs to ensure their appropriate consideration in our programs and activities.**



Our Relationship with HBCUs/MIs (cont'd)



- **Limited budget dictates limited funding opportunities for 'covered institutions' (HBCU/MI as defined in 10 U.S.C. § 2362)**
- **HBCU/MI are encouraged to apply for any/all programs open to Institutions of Higher Education (IHE).**
 - HBCU/MI investigators and students must apply to be considered
 - Must adhere to DoD business practices
- **Basic Research FY 2018 request:**
 - DoD: \$2.2 billion
 - OSD: \$141 million



HBCU/MI Science Program Opportunities



- **Solicitations for competition among HBCUs/MIs**
 - Annual Funding Opportunity Announcement (FOA) for HBCUs/MIs issued by the Army Research Office on behalf of OSD, with participation by the Office of Naval Research and the Air Force Office of Scientific Research
 - Annual focus varies
 - FY 2013 and FY 2014: Equipment/instrumentation grants
 - FY 2014: Cooperative Agreements for Centers of Excellence in Autonomy, Cyber Security, and Research Data Analysis
 - FY 2015: Single-investigator research grants with student support
 - FY 2016: Equipment/instrumentation grants
 - FY 2017: (1) Single-investigator for the acquisition of equipment and instrumentation
(2) FOA for STEM Scholarship Center of Excellence
 - FY 2018: Single-investigator research grants with student support (FOA closed August 10)
- **Next solicitation: June – August 2018**



HBCU/MI Science Program Other Funding Opportunities



- **Funding Opportunities open to all higher education institutions**
 - **Multidisciplinary University Research Initiative (MURI)** Supports multidisciplinary US college/university teams engaged in research in topical areas of DoD interest
 - Awards can range \$1.25M - \$1.5M / year; 3 year grants with 2 option years
 - Team size typically 6 main investigators
 - Grants managed by Services with OSD oversight
 - **Defense University Research Instrumentation Program (DURIP)** Provides instrumentation to US colleges/universities to support research and education in areas of defense interest
 - Awards can range \$50K - \$1.5M, but typically \$100K - \$300K with 12-month performance period
 - ~\$47M total for FY2018
 - Grants managed by Services with OSD oversight
 - **Vannevar Bush Faculty Fellowship Program** (previously National Security Science and Engineering Faculty Fellowship (NSSEFF))
 - Fellowship enables purely scientific, basic research investigations that require sustained investment for a long period of time.
 - **Minerva Research Initiative**
 - Basic research in social science to inform more effective strategic and operational policy decisions within the Department of Defense (DoD) and revitalize DoD connections with academic social scientists.
 - Improve understanding of the fundamental social, cultural, and political processes that shape U.S. security interests around the world.
 - **DoD Services & Agencies (Army, Navy, Air Force, DARPA, DTRA, NGA, etc.)**
 - Core research program announcements

Funding Opportunity Announcements (FOAs) are posted on Grants.gov website



HBCU/MI Science Program Events



- **Opportunity Awareness Workshop**
 - Florida A&M University, Tallahassee, FL
 - September 21-22, 2017
- **DoD HBCU/MI Webinar - November 2017**
 - Department of Education will send notifications
- **DoD HBCU/MI Workshop - June 2018**
 - Focus on writing competitive applications / proposals



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Thank you!

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