FAST FACTS

$24,514,000
Total NSF awards to Mississippi in FY19

$15,525,000
Amount invested in fundamental research in Mississippi in FY19

$8,990,000
Amount invested in STEM education in Mississippi in FY19

$5,790,000
Amount dedicated to stimulating competitive research in Mississippi through NSF EPSCoR

TOP 3 NSF-FUNDED ACADEMIC INSTITUTIONS FOR FY19

$10,222,000
Mississippi State University

$6,547,000
Jackson State University

$3,041,000
University of Mississippi

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In Fiscal Year (FY) 2019, the National Science Foundation made $24,514,000 in awards to Mississippi in support of fundamental research, advanced technical education, entrepreneurial training, STEM teacher training, long-term ecological monitoring, undergraduate and graduate education programs, major research instrumentation and more.

DID YOU KNOW? DISCOVERY | Organic semiconductors (OSCs) are a class of materials that combine the electronic properties of semiconductors with the chemical and mechanical properties of organic compounds, such as polymers. OSCs have unique characteristics and offer fundamentally new approaches to harvest energy, making them increasingly interesting for a range of emerging technology applications, including sustainable energy, electronics and biomedicine. At Mississippi State University, a new interdisciplinary material research center called the Center for Emerging Molecular Optoelectronics (CEMOs) will be formed with funding from NSF. Through this Center, the project will share resources and leverage partnerships among Mississippi institutions of higher learning, national laboratories, and industry as well as establish national and international collaborations to strengthen the research capacity and to build and train an inclusive workforce in optoelectronics.

STEM WORKFORCE DEVELOPMENT | NSF funds the Louis Stokes Mississippi Alliance for Minority Participation (LSAMP) program that aims to increase the quality and quantity of students successfully completing science, technology, engineering and mathematics (STEM) baccalaureate degree programs, and increase the number of students interested in, academically qualified for, and matriculated into programs of graduate study. LSAMP supports approaches that facilitate achievement of a long-term goal of increasing the number of students who earn doctorates in STEM fields, particularly those from populations underrepresented in those fields.

SUPPORTING STUDENTS | Through NSF’s Research Experience for Undergraduates (REU) Program ten students for ten weeks during the summers of 2019-2021 will be trained in experimental and theoretical physical chemistry at the University of Mississippi’s REU site. In addition to participating in research, students will develop a deeper knowledge of physical chemistry through faculty led lectures on topics like quantum chemistry, molecular spectroscopy, and medicinal chemistry.

FACILITY | R/V Gilbert R. Mason - The Gulf-Caribbean Oceanographic Consortium, led by the University of Southern Mississippi and the Louisiana Universities Marine Consortium was selected by NSF to operate the third new oceanographic research ship to carry out regional scale research in the Gulf of Mexico, Caribbean Sea and Atlantic Ocean. Construction will begin in 2020 with delivery to the Consortium in 2023.

SCIENCE & ENGINEERING INDICATORS | 2.34% of the Mississippi workforce is employed in S&E occupations, and 6.24% of Mississippi business establishments are industries with high employment in science, engineering and technology (SET) occupations.*