

# Innovation at Work

# Mississippi

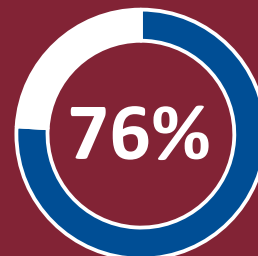


Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector

**\$2.5 billion**

Total Employment  
Supported by the  
Biopharmaceutical Sector

**8,639**



A majority of Americans agree that even if it brings no immediate benefits, basic scientific research that advances the frontiers of knowledge is necessary and should be supported by the federal government.

**Local Perspective:**  
**Itta Bena, MS**



*"Cancer research is imperative to nurture human viability. A healthy life increases prosperity within communities; not to mention saves billions of dollars a year on Medicaid and Medicare costs."*

Latania Dodd, 32, Fight  
Colorectal Cancer advocate



Mississippians with  
cancer in 2016

**122,607**

Total NIH Award Funding  
(FY16)

**\$54 million**

## Research in the Magnolia State

### *University of Southern Mississippi, Hattiesburg, MS*

National Institutes of Health (NIH)-funded researchers at USM are working to develop an improved and less costly diagnostic tool for the Dengue virus, a potentially fatal global disease that has emerged in several states within the U.S.

### *Jackson State University, Tougaloo College, and University of Mississippi Medical Center, Jackson, MS*

The Jackson Heart Study, spanning two NIH institutes and three universities, is the largest study to research environmental and genetic factors that may help explain the higher prevalence of cardiovascular disease among African-Americans. By identifying these factors, researchers hope to identify new strategies for addressing this health disparity.

### *Phytochemical Services, Inc (PSI) and University of Mississippi, Oxford, MS*

Phytochemical Services and UM researchers are collaborating to develop a new method to test the immune system-strengthening effect of dietary supplements. The goal is to provide a standard for manufacturers to meet when producing supplements designed to bolster the immune system so that consumers consistently receive the desired benefit.

SOURCES: NATIONAL INSTITUTES OF HEALTH, PHARMACEUTICAL RESEARCH AND MANUFACTURES OF AMERICAN (PHRMA), CENTERS FOR DISEASE CONTROL AND PREVENTION, A RESEARCH AMERICA SURVEY OF U.S. ADULTS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JUNE 2016, JACKSON HEART STUDY.

