

Innovation at Work North Carolina

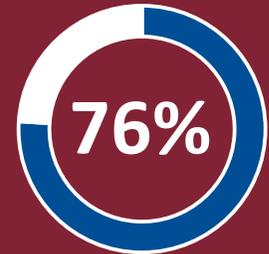


Total Direct and Indirect
Economic Output of the
Biopharmaceutical Sector

\$77.6 billion

Total Employment
Supported by the
Biopharmaceutical Sector

259,803



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: Summerfield, NC



Chris Ganser, 39, Fight
Colorectal Cancer advocate

"Members of Congress, along with everyone else, should support medical research. I'm a two-time colon cancer survivor, and without the funding for medical research I might not be here today."



Projected deaths due to
cancer in North Carolina for
2016

20,623

Total NIH Award Funding
(FY14)

\$991 million

Research in the Tar Heel State

GlaskoSmithKline, Duke University, Wake Forest University, Durham and Winston-Salem, NC

In collaboration with Duke and Wake Forest, GSK is conducting phase III clinical trials focusing on the length of use of mepolizumab for severe asthma patients. Specifically, they are trying to determine whether a patient will experience symptom relief without requiring continued use of the medication after completing a three-year treatment course.

University of North Carolina, Chapel Hill, NC

The Agency for Healthcare Research and Quality (AHRQ) is funding a UNC study to examine nurses' and doctors' decisions surrounding antibiotic use for specific infections in nursing homes. The ultimate goal is to reduce inappropriate antibiotic use in order to limit adverse effects and slow the emergence of antibiotic resistance.

North Carolina State University (NC State), Raleigh, NC

Long noncoding RNA (lncRNA) act as regulators of gene expression. National Institutes of Health (NIH)-funded researchers at NC State are investigating this role of lncRNA in the hopes of identifying potential new therapeutic targets for HIV.

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, GSK, AGENCY FOR HEALTHCARE QUALITY AND RESEARCH.