

# Innovation at Work South Carolina

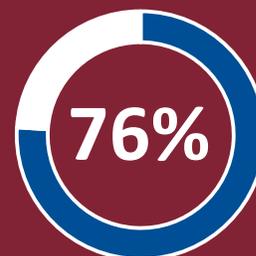


Total Direct and Indirect  
Economic Output of the  
Biopharmaceutical Sector

**\$7.2 billion**

Total Employment  
Supported by the  
Biopharmaceutical Sector

**27,997**



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: Fort Mill, SC



Laura and her sister, Taylor King, age 18, living with infantile Batten disease

"I support research because I love someone who suffers from a devastating disease with no approved treatment. It's the only way we'll build a better future for people like my sister."

*Laura King Edwards, co-founder and vice president, Taylor's Tale*



South Carolinians with a  
Rare Disease

**1 in 10**

Total NIH Award Funding  
(FY16)

**\$179 million**

## Research in the Palmetto State

### *Medical University of South Carolina (MUSC), Charleston, SC*

National Institute of Health (NIH)-funded MUSC researchers have discovered that pericytes, cells essential to the normal function of the blood-brain barrier (BBB), create a rapid disruption of the BBB during strokes. This finding could provide a novel target for future therapies to combat stroke-related brain injuries.

### *Translational Oncology Research, Greenville, SC*

Translational Oncology Research is participating in Rexahn Pharmaceuticals-sponsored clinical trials to assess a medication that holds significant promise in the treatment of advanced solid tumors.

### *Clemson University, MUSC, and Health Sciences South Carolina (HSSC), Clemson, SC*

The Agency for Healthcare Research and Quality (AHRQ) is funding research at Clemson University, in collaboration with MUSC and HSSC, to identify effective methods of reducing infections and other potentially life-threatening adverse events that can arise during surgery.

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, JOURNAL OF NEUROSCIENCE, AGENCY FOR HEALTHCARE QUALITY AND RESEARCH, CLINICALTRIALS.GOV.

