

Innovation at Work South Carolina

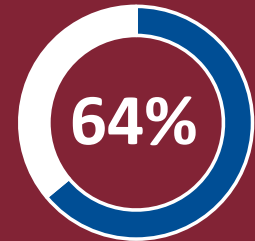


Total Direct and Indirect Economic Output of the Biopharmaceutical Sector

\$7.9 billion

Total Employment Supported by the Biopharmaceutical Sector

29,524



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, 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 (FY17)

\$184 million

Research in the Palmetto State

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

Researchers at the Medical University of South Carolina are comparing the effectiveness of two post-operative pain blocking procedures after abdominal surgery. By determining the most effective treatment, clinicians may be able to prescribe less opioid medication and reduce the risk of addiction.

University of South Carolina at Columbia (USC), Columbia SC

Deficiencies of cAMP, a molecule found in an area of the brain called the hippocampus, have been found in patients with Alzheimer's disease. The National Institutes of Health (NIH) is funding researchers at the University of South Carolina at Columbia to find ways to increase cAMP levels in the mouse an effort to discover novel treatments for Alzheimer's.

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 (NIH), PHARMACEUTICAL RESEARCH AND MANUFACTURERS OF AMERICA (PHRMA), CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC), A RESEARCH!AMERICA SURVEY OF U.S. ADULTS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JANUARY 2017, JOURNAL OF NEUROSCIENCE, AGENCY FOR HEALTHCARE QUALITY AND RESEARCH (AHRQ), CLINICALTRIALS.GOV.

