

Innovation at Work Alabama



	<p>Total Direct and Indirect Economic Output of the Biopharmaceutical Sector</p> <p>\$5.6 billion</p>	<p>Total Employment Supported by the Biopharmaceutical Sector</p> <p>22,970</p>	<p>76%</p> <p>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.</p>
<p>Local Perspective: Birmingham, Alabama</p> <p>Vickie Evans Fuller, American Heart Association advocate</p>	<p><i>"I support medical research because my oldest daughter was born with a congenital heart defect. Through medical research, we can develop cutting edge technology to prevent and treat heart defects that previously cut short many lives and hopefully make heart defects a thing we read about instead of live."</i></p>		<p>Total NIH Award Funding (FY14)</p> <p>\$254 million</p>
<p>Alabamians who died from heart disease in 2012</p> <p>12,036</p>			

Research in the Heart of Dixie

University of Alabama at Birmingham (UAB), Birmingham, AL

A five-lab research team at UAB has received National Institutes of Health (NIH) funding to investigate multiple aspects of the human immune response to HIV, which could propel the development of an effective HIV vaccine and improve

HudsonAlpha Institute of Biotechnology, Huntsville, AL

As a member of the NIH-launched Clinical Sequencing Exploratory Research (CSER) consortium, HudsonAlpha has pioneered revolutionary DNA sequencing techniques intended to improve both diagnostics and treatments for childhood genetic disorders. DNA sequencing provides doctors the opportunity to personalize treatments, bolstering the potential

University of Alabama, Birmingham (UAB), Birmingham, AL

UAB recently received a five-year BRAIN Initiative grant from the NIH to study a new technology that has the potential to improve the accuracy of deep brain stimulation, a treatment for Parkinson's disease. By achieving greater accuracy, researchers hope to decrease the risk of side effects and improve patient outcomes.

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