Innovation at Work
Alabama

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 treatments.

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 for improved outcomes.

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 Manufacturers of America (PhRMA), Centers for Disease Control and Prevention, a Research!America survey of U.S. adults conducted in partnership with Zogby Analytics in June 2016, HudsonAlpha Institute of Biotechnology.