

# Innovation at Work Missouri



	<p>Total Direct and Indirect Economic Output of the Biopharmaceutical Sector</p> <p><b>\$17.3 billion</b></p>	<p>Total Employment Supported by the Biopharmaceutical Sector</p> <p><b>68,596</b></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><b>Local Perspective: Centralia, MO</b></p>  <p><i>"Members of Congress should support research because there is currently no cure or effective treatment for epidermolysis bullosa. Currently the only treatment option is wound care and pain management."</i></p> <p>Brandon and Nicole Esser, parents of Hayden, 17 months, living with epidermolysis bullosa</p>	 <p>Missourians with a Rare Disease</p> <p><b>1 in 10</b></p>	<p>Total NIH Award Funding (FY16)</p> <p><b>\$509 million</b></p>	

## Research in the Show Me State

### *Washington University School of Medicine in St. Louis, St. Louis, MO*

National Institutes of Health (NIH) funded researchers at Washington University School of Medicine are working to develop a new antibody treatment for the Zika virus. When tested in mouse models, the antibody not only protected adults from the virus, but also protected the fetus from becoming infected. These results suggest a potential treatment to prevent microcephaly in unborn children exposed to the virus.

### *Pfizer and Children's Mercy Hospital, Kansas City, MO*

Pfizer is conducting phase III clinical trials at the Children's Mercy Hospital, testing the safety and efficacy of a 10 day course of hydrocortisone to treat bronchopulmonary dysplasia (BPD) in premature infants. BPD, a chronic lung disorder, affects 10,000 babies annually, most of them born prematurely.

### *University of Missouri, Columbia, MO*

Researchers at the University of Missouri, through support from the Agency for Healthcare Research and Quality (AHRQ), are working to develop ways to improve home blood pressure monitoring. Physician access to accurate data is crucial to proper patient care.

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, AGENCY FOR HEALTHCARE RESEARCH AND QUALITY, WASHINGTON UNIVERSITY SCHOOL OF MEDICINE IN ST. LOUIS, CLINICALTRIALS.GOV.