

# Innovation at Work Kentucky



	<p>Total Direct and Indirect Economic Output of the Biopharmaceutical Sector</p> <p><b>\$4.9 billion</b></p>	<p>Total Employment Supported by the Biopharmaceutical Sector</p> <p><b>22,018</b></p>	<p><b>64%</b></p>
<p><b>Local Perspective: Owensboro, KY</b></p>	<p><i>"EB can be incomprehensible agony for many living with it. Medical research is crucial because we need effective treatments and a better quality of life for those who are suffering."</i></p> <p>Jason Bartley and Lacy Kennedy, parents of Silas, living with epidermolysis bullosa (EB)</p>	<p>Kentuckians with a rare disease</p> <p><b>1 in 10</b></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>Total NIH Award Funding (FY17)</p> <p><b>\$188 million</b></p>

## Research in the Bluegrass State

### *University of Kentucky, Lexington, Kentucky*

The National Institutes of Health is funding a University of Kentucky study that tests the ability of clonidine to treat Neonatal Abstinence Syndrome (NAS). Typically, morphine and methadone are used to treat NAS, which can slow newborn brain growth. If successful, clonidine could provide a safer way to treat neonatal withdrawal symptoms.

### *University of Louisville James Brown Cancer Center, Louisville, KY*

The James Brown Cancer at the University of Louisville is conducting a clinical trial on the ability of four dimensional CT (4D-CT) scans to improve treatment plans for newly diagnosed lung cancer patients.

### *University of Louisville, Louisville, KY*

Researchers at the University of Louisville, with support from the Agency for Healthcare Research and Quality (AHRQ), are disseminating information to primary care facilities on effective therapy options for the treatment of depression.

SOURCES: NATIONAL INSTITUTES OF HEALTH (NIH), PHARMACEUTICAL RESEARCH AND MANUFACTURERS OF AMERICA (PHRMA), CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC), A RESEARCHAMERICA SURVEY OF U.S. ADULTS CONDUCTED IN PARTNERSHIP WITH ZOGBY ANALYTICS IN JANUARY 2017, UNIVERSITY OF LOUISVILLE, CLINICALTRIALS.GOV.

