

Biomedical Research Funding-at-a-Glance **Kentucky**



National Institutes of Health Funding for Kentucky¹

- In FY2016, Kentucky received 415 NIH-funded grants through normal appropriations process, totaling \$163,613,208.
- This represents an increase of \$3 million from FY2015 with 12 fewer grants.

National Science Foundation Funding for Kentucky²

- In FY2016, NSF provided 137 awards totaling over \$31 million.

NIH Helping Communities

What does NIH funding mean for the Kentucky economy?

- In FY2007, each NIH dollar invested in Kentucky generated \$2.13 in new state business activity³.
- In FY2016, the NIH supported \$431.6 million in economic activity and 2,886 jobs⁴.

Life Science Industry Impact⁵

- Kentucky is ranked number seven for emerging biotechnology hubs across the nation.
- There are more than 1,800 bioscience and life science companies employing 100,000 people.
- 14 high-tech companies have moved to Kentucky to continue their business.

Scientific developments made possible through NIH Funding

- Bexion Pharmaceuticals' SapC-DOPS is a cancer-fighting therapy that targets specific tumors based on the components found in cell membranes, ground breaking in its potential⁶.
- AntiOp, Inc. has signed an agreement to accelerate their production of intranasal naloxone, used to treat opioid overdoses, in light of the increase in deaths from prescription painkillers and heroin⁷.
- University of Kentucky's Steven Yates will use NSF money to further the understanding of the atomic nucleus using a particle accelerator and nuclear reactor⁸.

"Our future economy is based on innovation, like the many life science and biotechnology companies being developed in Kentucky. Not only is our industry helping to tackle some of the world's greatest health threats, but we are doing so while creating the next generation of jobs."⁹

- Kyle Keeney, Founder and CEO of Kentucky Life Science Council

Kentucky is ranked number 32 in the country for its medical laboratories⁹

As of October 2016, there were 5,714 clinical trials in Kentucky¹⁰



¹All information current as of 7/2017, as stated at www.nih.gov

²All information current as of 7/2017, as stated at www.nsf.gov

³In Your Own Backyard: How NIH Funding Helps Your State's Economy, Families USA's Global Health Initiative, June 2008

⁴United for Medical Research Report, NIH bystate 2016

⁵Think Kentucky, Cabinet for Economic Development Issue 7 2012

⁶Growing Companies, Sapbox Cincinnati 2011

⁷antiop Partners With Reckitt Benckiser Pharmaceuticals, Inc. to Develop Nasally Administered Treatment for Opioid Overdose 2014

⁸UK's Yates Receives NSF, DOE Grants for Work In Nuclear Physics, Nuclear Structure, Whitney Harder 2016, UK News

⁹Kyle Keeney: Our Future Economy Depend On Innovation; Government Should Protect Patents, Northern Kentucky Tribune 2016

¹⁰Clinicaltrials.gov, NIH 2016

