

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



National Institutes of Health Funding for Illinois¹

- In FY2016, Illinois received 1,995 NIH-funded grants through normal appropriations process, totaling \$818,027,921.
- This represents an increase of \$82 million from FY2015 and 92 more grants.

National Science Foundation Funding for Illinois²

- In FY2016, NSF provided 848 awards totaling over \$315 million.

NIH Helping Communities

What does NIH funding mean for the Illinois economy?

- In FY2007, each NIH dollar invested in Illinois generated \$2.43 in new state business activity³.
- In FY2016, the NIH supported \$3.468 billion in economic activity and 14,348 jobs⁴.

Life Science Industry Impact

- In 2014, Illinois employed almost 81,000 individuals in the bioscience field in 3,744 establishments⁵.
- The Drug and Pharma Industry grew by 18.9% from 2012 and the MedTech industry grew by 11.2%⁵.
- Illinois has a 14% greater concentration of jobs in the biosciences relative to the national average⁵.
- The Illinois bioeconomy provides over \$28 billion in economic output⁶.

Scientific developments made possible through NIH Funding

- University of Chicago researchers have revised the mouse model to show that dendritic cells are the more potent than the macrophages currently being used to target cancer cells⁷.
- The Genomic Data Commons is a platform to spread data on more than 14,000 anonymized patient cases, an effort that the University of Chicago hopes will create the largest cancer genomics dataset in the world⁸.
- Northwestern University has produced a study on drugs that can treat breast cancer, and can also be used to suppress brains seizures by preventing estrogen production⁹.

“Biotechnology is a major growing and fundamental sector within the state of Illinois and the economic contribution and growth potential is extremely strong¹⁰.”

- Bruce Fouke, Professor of Geology and Microbiology at the University of Illinois

\$1.4 billion in annual R&D expenditures were made in 2014⁵

As of October 2016, there were 13,800 clinical trials in Illinois¹¹



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 bystate2016

⁵New Bio Report: Illinois Community Continues to Grow, John Conrad 2016, Biological

⁶Illinois Companies Top Hottest Advanced Bioeconomy Companies, John Conrad 2016, Biological

⁷Cell Signal Whets Appetite for Tumor-Devouring Dendritic Cells, John Waston 2015, ScienceLife

⁸Genomic Data Commons at UChicago Heralds New Era of Data Sharing for Cancer Research, Matt Wood 2016, ScienceLife

⁹Breast Cancer Drug Found to Reduce Seizures, Megan Fellman 2016, Northwestern News

¹⁰Illinois Ranked as a Leader in Biotechnology, Report fFnds, Aslee Rezin 2013, Progress Illinois

¹¹Clinicaltrials.gov, NIH 2016

