

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



National Institutes of Health Funding for Louisiana¹

- In FY2016, Louisiana received 297 NIH-funded grants through normal appropriations process, totaling \$141,817,492.
- This represents an increase of \$12 million from FY2015 and 30 more grants.

National Science Foundation Funding for Louisiana²

- In FY2016, NSF provided 166 awards totaling over \$45 million.

NIH Helping Communities

What does NIH funding mean for the Louisiana economy?

- In FY2007, each NIH dollar invested in Louisiana generated \$2.05 in new state business activity³.
- In FY2016, the NIH supported \$419.8 million in economic activity and 2,987 jobs⁴.

Life Science Industry Impact⁵

- Over 100 startups have generated \$100 million in the state⁵.
- There are 40 life scientists and the mean annual wage is \$61,770⁶.
- Louisiana has 7,676 biopharmaceutical jobs and 930 businesses⁴.

Scientific developments made possible through NIH Funding

- Louisiana State University will begin to develop single-cell ablation instrumentation technology, which will sequence DNA from cancerous cells. This could help pinpoint when healthy tissue becomes a tumor⁷.
- A new treatment for Kaposi sarcoma is being developed at the University of Louisiana that would target the two proteins that mask cancer cells from the body's immune system⁸.
- Tulane University has begun a neuroscience program that explores the effect of the different sexes on brain activity⁹.

*“The importance of the life science companies for the state’s economy and for society cannot be overstated. Through cutting-edge innovation, Louisiana’s life science industry is improving the quality of life as well as diversifying the state’s economy.”*⁹

In 2014, Louisiana spent \$439 thousand on bioscience R&D¹⁰

As of October 2016, there were 5,732 clinical trials underway in Louisiana¹¹



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

⁵State of Life Sciences Entrepreneurship in Louisiana, Baker Donelson 2016

⁶May 2015 state Occupational Employment and Wage Estimates Louisiana, Bureau of Labor Statistics

⁷Chemistry Professor Secured NSF Grant to Develop Single-Cell Ablation Instrument to Better Detect Cancer Cells, LSU

⁸Chemistry Junior Researches Treatment for Cancer Associated with HIV, Katie Gagliano 2018, Daily Reveille

⁹The Mysteries of the Brain Lead Tulane Researchers down Paths of Discovery, Mary Ann Travis, Tulane University

¹⁰Louisiana’s Biotechnology Sector Strong, But Help Needed to Continue Growth, Business Report 2016

¹¹Battelle/BIO State Bioscience Jobs, Investments, and Innovation 2014

¹²Clinicaltrials.gov, NIH 2016

