

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



National Institutes of Health Funding for Arizona¹

- In FY2016, Arizona received 382 NIH-funded grants through normal appropriations process, totaling \$163,447,535.
- This represents an increase of \$13 million from FY2015 and 16 fewer grants.

National Science Foundation Funding for Arizona²

- In FY2015, NSF provided 443 awards totaling \$255,963.

NIH Helping Communities

What does NIH funding mean for the Arizona economy?

- In FY2007, each NIH dollar invested in Arizona generated \$2.11 in new state business activity³.
- In FY2016, the NIH supported \$534.3 million in economic activity and 3,626 jobs⁴.

Life Science Industry Impact⁵

- Bioscience jobs increased by 14.8% from 2009 to 2014, creating a total of 110,410 jobs in the industry.
- The average salary of a bioscientist is \$61,823, compared to \$46,514 for the state's private sector.
- Firms in the biosciences attracted \$82 million in venture-capital investments, the third straight year of growth, though only 0.565 of venture-capital investments nationwide.

Scientific developments made possible through NIH Funding⁶

- UA College of Medicine researchers discovered that a two-drug therapy significantly reduced the risk of recurrent colorectal polyps, hence lowering the risk of colon cancer.
- Sarver Heart Center scientists revamped CRP methods to increase survival rate of out-of-hospital cardiac arrest by 30%.
- Arizona State's Biodesign Institute created a new generation of single-dose vaccines to fight infant pneumonia.

“Arizona... excels in offering a deep talent base, a critical mass of entrepreneurs and enterprises, and clinical excellence to turn discovery into firms, products, and talent⁵.”

From 2012 to 2013, Arizona's three public universities spent over \$1 billion in R&D activities⁷

As of October 2016, there were 8,765 clinical trials in Arizona⁸



¹All information current as of 5/2016, as stated at www.nih.gov

²All information current as of 5/2016, 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 by state 2016

⁵2015 Progress of the Biosciences in Arizona, Arizona's Bioscience Roadmap

⁶Breakthroughs in Bioscience Arizona, FASEB

⁷Arizona Research and Development talking Points

⁸Clinicaltrials.gov, NIH 2016

