

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



National Institutes of Health Funding for Connecticut¹

- In FY2016, Connecticut received 1,179 NIH-funded grants through normal appropriations process, totaling \$510,609,681.
- This represents an increase of \$49 million from FY2015 and 253 more grants.

National Science Foundation Funding for Connecticut²

- In FY2016, NSF provided 282 awards totaling \$79,651,000.

NIH Helping Communities

What does NIH funding mean for the Connecticut economy?

- In FY2007, each NIH dollar invested in Connecticut generated \$1.95 in new state business activity³.
- In FY2016, the NIH supported \$1.185 billion in economic activity and 5,968 jobs⁴.

Life Science Industry Impact⁵

- 23,969 jobs in the biopharmaceutical industry are supported by 853 businesses⁴.
- The life science industry employs over 18,000 people and spends more than \$6 billion annually⁵.
- There are over 70 companies dedicated to the life sciences sector⁵.

Scientific developments made possible through NIH Funding

- A therapy to cure babesiosis was created by a Yale University-led team to combat the emerging infectious disease, transferable through the same ticks that inflict Lyme disease⁶.
- Yale University has found that herpes is one of the causes to the seemingly unrelated symptoms of constipation and urinary retention, by studying a mechanism that was previously unknown⁷.
- Stephanie Knowlton of University of Connecticut has developed a low-cost device to monitor and diagnose sickle cell disease. Using a cell phone and magnets, her device separated particles on their magnetic signatures to analyze the image of blood cells⁸.

“Biotech is thriving today in Connecticut because of research being done at local colleges and universities, including Yale. This research has spawned into a commercial industry that continues to grow⁵.”

From 2005 to 2009, more than \$430 million in venture capital was invested in biotech firms⁵

As of October 2015, there were 6,506 clinical trials in Connecticut⁹



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

⁵Life Sciences/Medical Devices, Connecticut's Central Coast

⁶Combination therapy cures tick-borne illness in mice, Ziba Kashef 2016, YaleNews

⁷Constipated? Study finds surprising cause, Ziba Kashef 2016, YaleNews

⁸10 young scientists from UConn earn NSF Graduate Research Fellowships, David Bauman 2016, UConn Today

⁹Clinicaltrials.gov, NIH 2016

