

November 2013

Biomedical Research in New York State: Review of Other State Initiatives

California Institute for Regenerative Medicine

Funding Amount: \$3 billion

Time Period: 10 years

Status: Signed into law in 2005



Purpose:

- Support and advance stem cell research and regenerative medicine
- Fund at least ten therapies in early clinical trials that impact five disease areas
- Attract the best scientists in the world
- Create partnerships with industry and leverage dollars to accelerate development
- Create dedicated clinics to perform clinical trials
- Work closely with state and local governments to attract new research enterprises to California

Funding Summary:

- Authorizes an average of \$295 million per year
- 586 awards since 2006
- More than \$1 billion disbursed to date
- Awards intended for: 69 percent research, 20 percent facilities, 11 percent training

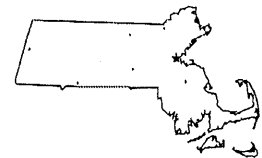
State Rank in 2012 NIH Funding: 1 (\$3.5 billion)

Massachusetts Life Sciences Initiative

Funding Amount: \$1 billion

Time Period: 10 years

Status: Signed into law in 2008



Purpose:

- Provide working capital to early stage life science companies
 - Focus on high potential for technology commercialization, rapid growth and private equity financing
- Provide grants for capital projects that enable and support life sciences workforce development and training, research and development, commercialization and/or manufacturing
- Promote industry-academic research collaborations, support translational research and accelerate the commercialization of promising products and services
- Fund pre-clinical neuroscience research at academic and research institutions
- Incentivize life sciences companies to create new long-term jobs in the state

Funding Summary:

- Leveraged more than \$1.2 billion in matching investment capital
- \$17.2 million in loans to 26 companies
- \$372 million awarded or committed to support capital projects across state
- Through tax incentive program, 73 active awards totaling \$75 million made to companies that have created, or are promising to create, 2400 jobs

State Rank in 2012 NIH Funding: 2 (\$2.6 billion)

Cancer Prevention Research Institute of Texas

Funding Amount: \$3 billion

Time Period: 10 years

Status: Signed into law in 2007



Purpose:

- Create and expedite innovation in cancer research
- Attract, create and expand research capabilities of public and private institutions
- Create high quality new jobs in the state
- Continue development and implementation of the Texas Cancer Plan

Funding Summary: Since 2010, 498 awards totaling \$836 million

Economic Impact:

- Tax receipts associated with CPRIT totaled \$60.6 million in 2011; local municipalities received \$30.9 million
- For every dollar invested:
 - \$4.78 in output
 - \$1.99 in annual state and local revenue
 - \$9.48 in total economic activity

State Rank in 2012 NIH Funding: 7 (\$1.1 billion)

James & Esther King Biomedical Research Program (Florida)

Funding Amount: \$150 million

Time Period: 10 years

Status: Signed into law in 1999, and again in 2010



Purpose:

- Improve health care by researching prevention, diagnoses, treatments and cures for tobacco-related diseases
- Increase state per capita funding for research by undertaking new initiatives that will attract out-of-state funding
- Stimulate economic activity in the state related to biomedical research, production of pharmaceuticals, biotechnology and medical devices

Funding Summary:

- Since inception, funding has derived from interest earned on \$150 million reserve within an endowment established from a tobacco industry lawsuit and tobacco usage tax.
- \$20 million appropriated for 2010
- \$8 million appropriated for 2012

State Rank in 2012 NIH Funding: 12 (\$502 million)

Bioscience Connecticut

Funding Amount: \$864 million

Time Period: 25 years

Status: Signed into law in 2011



Purpose:

- Provide 3,000 construction jobs annually from 2012 through 2018
- Generate a \$4.6 billion increase in personal income by 2037

- Create 16,400 jobs
- Double federal and industry-sponsored research grants to drive discovery, innovation and commercialization
- Improve access to high quality health care
- Graduate and retain more physicians and dentists to meet forecasted workforce shortages, and meet increased demand for services resulting from health care reform
- Strengthen and stabilize University of Connecticut Health Care Center's finances

Funding Summary:

- \$155 million to renovate existing research facilities
- \$318 million to construct new patient tower and garage
- \$163 million to renovate existing tower facility
- \$203 million to construct new ambulatory care center
- \$25 million to implement University of Connecticut Health Network initiatives

State Rank in 2012 NIH Funding: 16 (\$476 million)

Next Generation Connecticut

Funding Amount: \$1.5 billion

Time Period: 10 years

Status: Newly enacted

Purpose:

- Hire 259 new University of Connecticut faculty (of whom, 200 in Science, Technology, Engineering and Mathematics (STEM) disciplines)
- Enroll an additional 6,850 undergraduate students
- Build STEM facilities to house materials science, physics, biology, engineering, cognitive sciences, genomics and related disciplines
- Construct new STEM teaching laboratories
- Create a premiere STEM honors program
- Upgrade aging infrastructure to accommodate new faculty and students
- Expand digital media and risk management degree programs
- Relocate University of Connecticut's Greater Hartford campus to downtown Hartford

Funding Summary:

- \$869 million for academic and research facilities
- \$542.5 million for deferred maintenance
- \$133.5 million for equipment
- \$70 million for Hartford relocation
- \$40 million for residential life facilities
- \$206 million in operating funds

State Rank in 2012 NIH Funding: 16 (\$476 million)