

BIOMEDICAL RESEARCH IN NEW YORK STATE



New York State's research institutions have led the nation in major medical discoveries, with **23 Nobel laureates** in Physiology or Medicine, and breakthroughs in the fields of:

23

NOBEL
LAUREATES IN
PHYSIOLOGY
OR MEDICINE

- Cardiac Care
- Oncology
- Diabetes
- Multiple Sclerosis
- Polio
- Lyme Disease
- Genetics
- Cell Physiology
- Virology
- Immunology
- Regenerative Medicine
- Neurophysiology

16

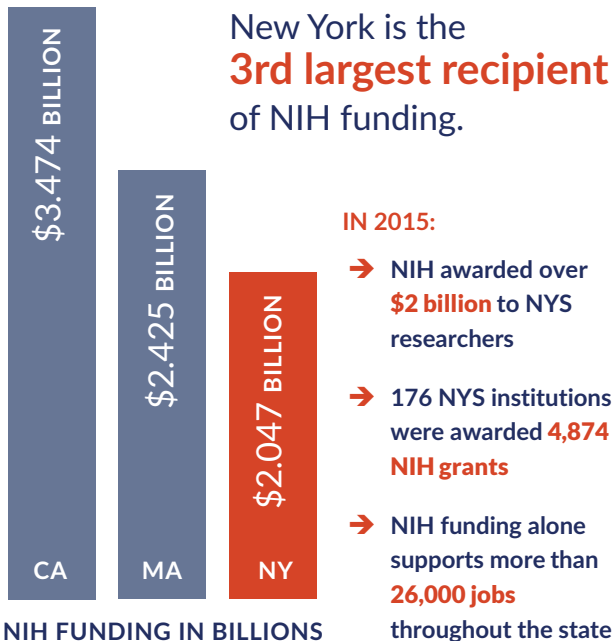
PUBLIC AND PRIVATE MEDICAL
SCHOOLS IN NEW YORK STATE



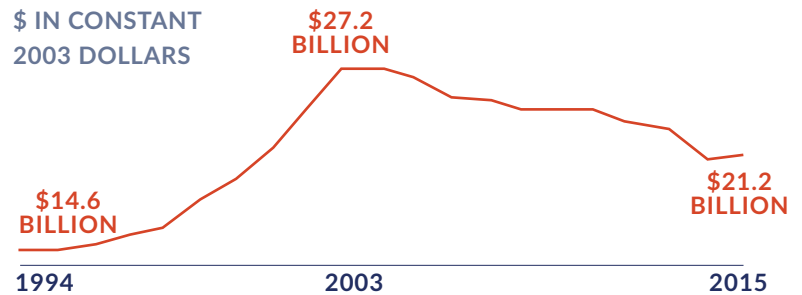
\$85+ billion
in economic
impact

\$7.5 billion
generated
by research

SOURCE: TRIPP UMBACH 2010



But in the last decade, NIH's purchasing power has declined by nearly **22%**.

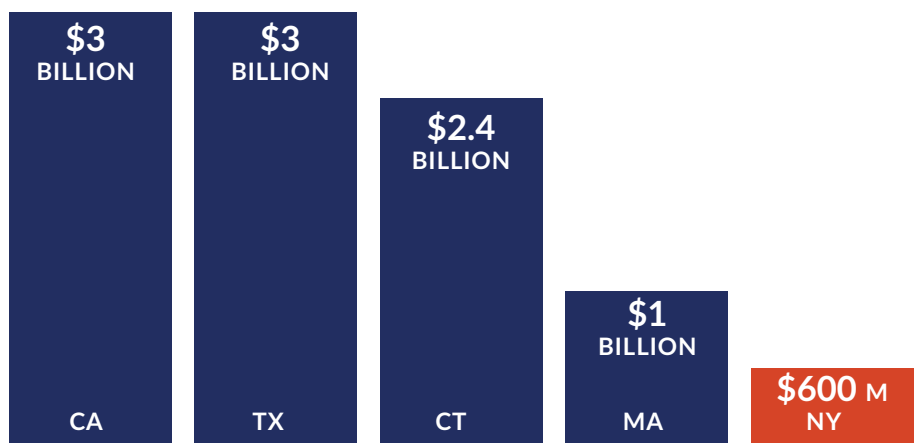


IN 2013:
Sequestration cuts cost New York State roughly **\$100 million** in lost NIH research funds - funding that will not be restored in future NIH budgets.

SOURCE: NIH FY2015

STATE RESEARCH INVESTMENT

Recently, California, Texas, Connecticut and Massachusetts have led the nation in establishing major biomedical research initiatives to drive economic growth.



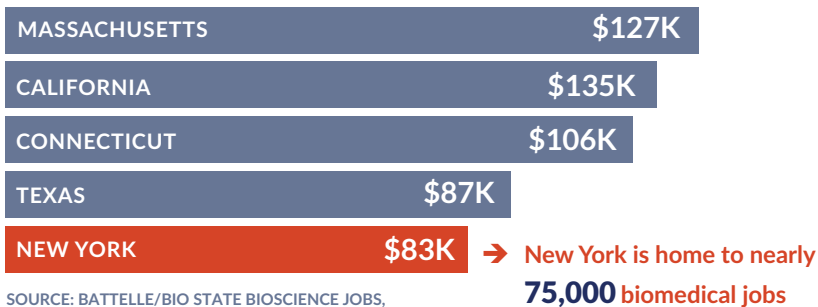
SOURCES: CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE, MASSACHUSETTS LIFE SCIENCES CENTER, BIOSCIENCE CONNECTICUT, CANCER PREVENTION RESEARCH INSTITUTE OF TEXAS

BIOMEDICAL RESEARCH IN NEW YORK STATE

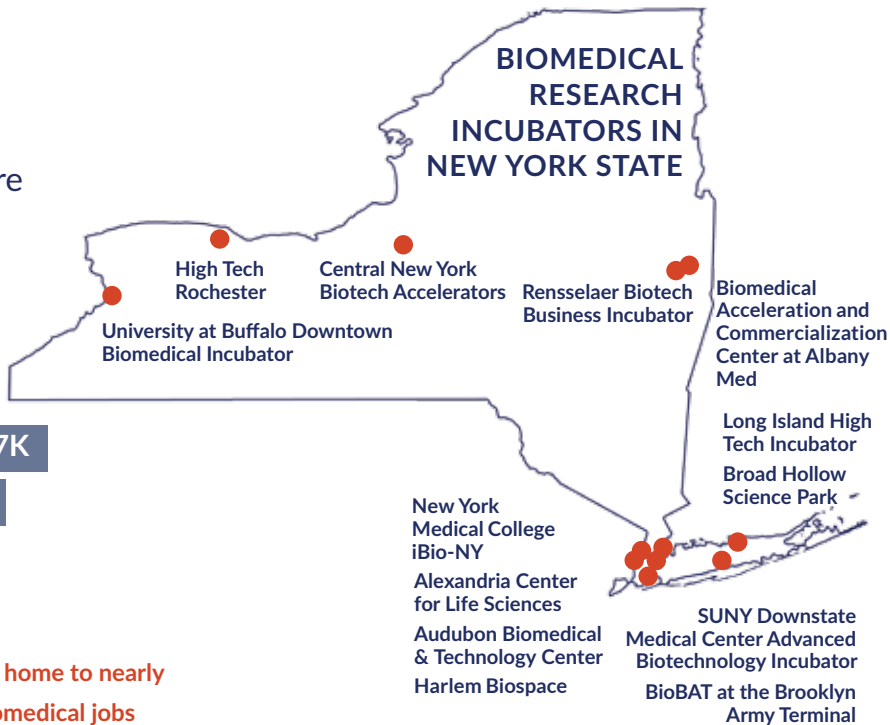
INVESTMENT IN BIOMEDICAL RESEARCH DRIVES ECONOMIC GROWTH

New York's medical schools house the intellectual capital and research infrastructure to create next-generation diagnostic and therapeutic technologies, and to launch successful startup companies.

AVERAGE WAGES IN BIOMEDICAL JOBS

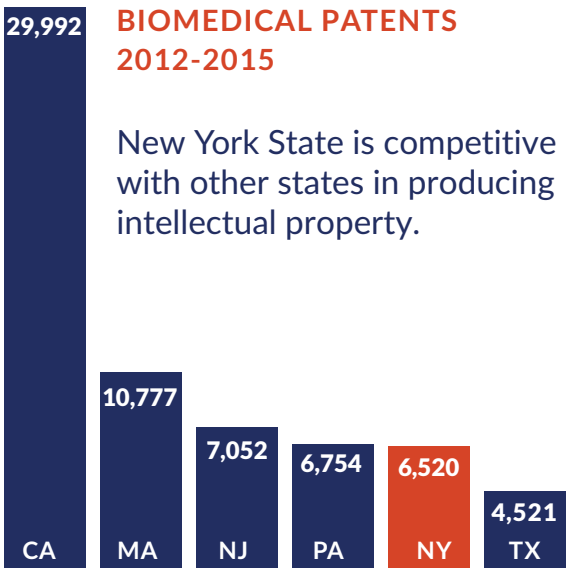


SOURCE: BATTELLE/BIO STATE BIOSCIENCE JOBS, INVESTMENTS AND INNOVATION 2016 REPORT



29,992 BIOMEDICAL PATENTS 2012-2015

New York State is competitive with other states in producing intellectual property.

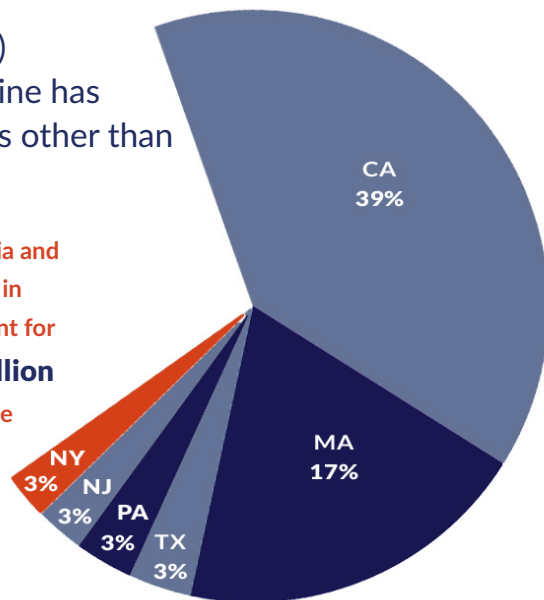


SOURCE: BATTELLE/BIO STATE BIOSCIENCE JOBS, INVESTMENTS AND INNOVATION 2016 REPORT

VENTURE CAPITAL INVESTMENT

But venture capital (VC) investment in biomedicine has largely accrued to states other than New York.

- From 2012 - 2015, California and Massachusetts led all states in funding combining to account for **56%** of the total **\$48.7 billion** VC investments in bioscience
- New York State companies account for only **3%**



The Associated Medical Schools of New York (AMSNY) is a consortium of the 16 public and private medical schools across the state. Its mission is to promote high quality and cost-efficient health care by ensuring that the medical schools of New York State can provide outstanding medical education, care and research.