

# NEW YORK CITY. BIOSCIENCE CLUSTER.

## Industry Snapshot

With \$1.3 B in NIH funds (ranked #2), the largest concentration of academic medical institutions, over 120 bioscience companies and the #1 metro area in bioscience employment, NYC has a thriving scientific community. With the creation of two new research parks, East River Science Park and BioBAT, NYC is well-positioned for continued growth in commercial bioscience.

### Talent

- Bioscience companies in NYC have access to an unmatched pool of scientific and medical talent.
- The NYC Metro Area has the largest bioscience workforce in the country (more than Boston and Los Angeles combined).<sup>1</sup>
- 122 Nobel Laureates trace their roots to NYC.
- NYC has the most educated, talented workforce in the US.<sup>2</sup>
- The NYC Metro Area tops the nation in high-technology jobs.<sup>3</sup>

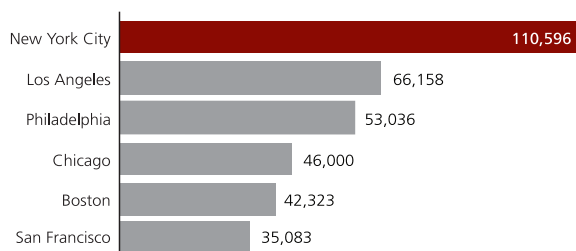
### Funding

- NYC's vast financial resources include nearly 100 venture capital firms investing in healthcare companies.
- New York area biotech companies received more total venture dollars in 2008 than in 2007, up 38% from last year.

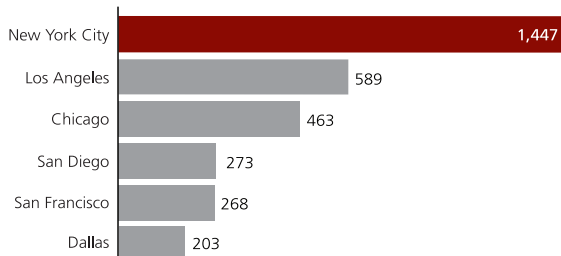
### Bioscience Community

- NYC is headquarters to four major pharmaceutical companies and over 120 bioscience companies.

#### Total Bioscience Employment by US Metropolitan Area<sup>1</sup>



#### Top Populations with Bachelor's or Higher Degree by US City<sup>4</sup> (thousands of persons)



#### Select NYC Bioscience Company Funding Highlights

Paradigm Spine, LLC	\$82M
ZIOPHARM Oncology	\$86M
Intercept Pharmaceuticals	\$50M
Small Bones Innovations	\$62M
Enzo BioChem	\$61M
IRX Therapeutics	\$60M
Vivaldi Biosciences	\$23M
SIGA Technologies	\$17M
Stemline Therapeutics	\$12M



## Science

- NYC's higher education institutions lead the country in NIH funding.<sup>5</sup>
- NYC is second in the country only to Boston in terms of NIH funding with \$1.3 Billion in research grants.<sup>6</sup>
- NYC has the world's largest concentration of Academic Medical Research Centers.

## Real Estate

NYC is developing a network of state-of-the-art facilities to accommodate commercial bioscience initiatives and related research activities throughout the region:

- East River Science Park — the City's premier science site with a projected 1.1 million SF of commercial science and lab space.
- Brooklyn Army Terminal — Once developed, the proposed bioscience facilities of BAT will offer space for research.
- SUNY Downstate Incubator — over 20,000 SF of biotech incubator lab space.
- Audubon Business and Technology Center — over 50,000 SF of biotech incubator lab space at Columbia University.

## Incentives

### East River Science Park Lab Space Loan Fund

The NYC Investment Fund (NYCIF) has created a new \$15 million loan program that is available for bioscience companies looking to establish headquarters and principal operations at the East River Science Park in Manhattan.

### Qualified Emerging Technology Company Credit (QETC)

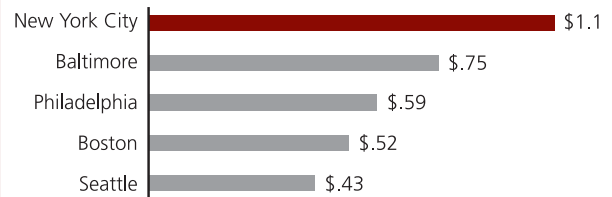
New York State's QETC program could provide early-stage technology companies, including biotechnology, with a capital infusion of up to \$1MM.

## References

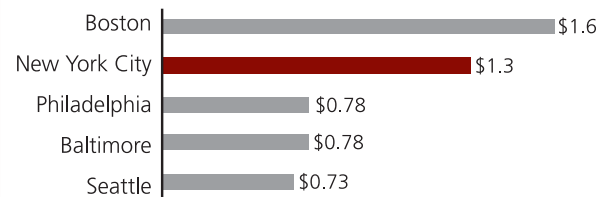
1. "Growing the Nation's Bioscience Sector: State Bioscience Initiatives 2006" A Battelle Technology Partnership Practice report prepared for the Biotechnology Industry Organization (BIO), January 2007.
2. 2000 U.S. Census.
3. 2008 Cybercities Report by AeA.
4. 2000 U.S. Census
5. National Institutes of Health, FY 2007 Awards.
6. National Institutes of Health, FY 2007 Awards.

## NYC is #1 in NIH Funding for Universities and Colleges

FY 2007 Universities & Colleges NIH Funding  
Top 5 Cities/in Billions



FY 2007 Total NIH Awards, Top 5 Cities/in Billions



## Academic Medical Research Centers

Albert Einstein College of Medicine  
Columbia University Medical Center  
Hospital for Special Surgery  
Memorial Sloan-Kettering Cancer Center  
Mount Sinai School of Medicine  
New York University  
SUNY Downstate  
The Rockefeller University  
Weill Cornell Medical College

