

Biotechnology Facts & Figures

Biotechnology means any technological application that uses biological systems, living organisms, or derivatives thereof, to make or modify products or processes for specific use. (*United Nations Convention on Biological Diversity*)

Biotechnology **helps create products and services** that have the potential to improve our quality-of-life by preventing and treating disease, creating a safer food supply and producing energy in new or more efficient ways.

The biosciences — including all life-sciences activities — **employed 1.4 million people** in the United States in 2010 and supported an additional 7.5 million related jobs. (*BIO*)

Academic bioscience R&D expenditures totaled \$29 billion in 2006. (*BIO*)

The **Illinois biotechnology cluster includes nearly 2,000 establishments** and over 57,000 employees; it is supported by Illinois' federal labs as well as the state's top-notch research universities. (*Battelle and BIO*)

Did You Know?

Each bioscience job is estimated to result in 5.7 additional jobs.

Wages of biotech workers are significantly higher than those of their average private industry counterparts.

*Source: Battelle and BIO
"State Bioscience Initiatives 2010"*

Illinois: A Center for Biotechnology

World-Class Research

Illinois is a center for biotechnology research and development and ranks highly among U.S. states:

Illinois' higher education institutions graduated more than 10,000 students with degrees in bioscience-related fields in 2008, making Illinois the 3rd most prolific state in the nation. (*Battelle and BIO*)

Illinois' bioscience-related patents totaled 2,904 between 2004 and 2009. (*Battelle and BIO*)

In Illinois, academic research expenditures in the biosciences totaled \$1.3 billion in 2008, mainly in medical sciences (\$715 million) and biological sciences (\$401 million). (*Battelle and BIO*)

Illinois is home to more than 440 corporate R&D facilities and more than 200 academic, government, and not-for-profit research institutions. (*BIO*)

Robust Life Sciences R&D

Illinois pharmaceutical and biotechnology companies are currently developing nearly 400 medicines and vaccines for a variety of diseases, including several of the leading causes of death and disease in the United States. (*PhRMA*)

Illinois pharmaceutical and biotechnology companies are developing 41 of the 312 medicines in development nationwide for heart disease and stroke as well as 80 medicines to treat or prevent cancer — nearly 10 percent of the total medicines being developed nationwide. (*PhRMA*)

Investing in Illinois' Biotech Community

Illinois was the first state in the Midwest and only the fourth state in the nation to commit public funds to regenerative medicine research (e.g. stem cells), investing \$15 million through 2008.

Illinois was the first state to completely eliminate the state sales tax on E-85 and biodiesel blends of 11 percent and higher ("B11"), dramatically increasing E-85 sales and creating the largest biodiesel market in the nation.

The Illinois Science & Technology Coalition is a 501(c)(6) membership-based organization.

ISTCoalition.org

