

Life Sciences



Life Sciences in Indiana

- Indiana is one of the nation's top four life science leaders in terms of the number and concentration of life science jobs (Battelle Memorial Institute, 2006)
- Indiana gained jobs in life sciences at more than twice the national average from 2001-2003, rising 4.5 percent compared with the 2 percent national increase
- Indiana has the second-highest concentration of biopharmaceutical jobs in the nation
- Indiana ranks eighth in the nation for projected biopharmaceutical job increases from 2004-2014
- About 18 percent, or \$69 billion, of Indiana's economic output is tied to the life sciences industry
- More than 578,000 Indiana jobs—one in nine of all jobs in the state are directly or indirectly tied to the life sciences and health care industry—Deloitte & Touche, 2005

LIFE SCIENCES PLAYERS IN INDIANA

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|------------------------|-------------------------|
| • Baxter | • Dow AgroSciences |
| • Bayer Diagnostics | • Eli Lilly and Company |
| • Beckman Coulter | • Hill-Rom |
| • Boston Scientific | • Pfizer |
| • Biomet | • Roche Diagnostics |
| • Bristol-Myers Squibb | • Schwarz Pharma |
| • Cook Group | • WellPoint |
| • DePuy Orthopedics | • Zimmer |

Several Indiana life sciences companies lead their industry: WellPoint ranks third in health insurance, Eli Lilly ranks fourth in pharmaceuticals and Zimmer is fifth in medical products and equipment. (*Fortune Magazine*, Feb. 2006) The state's pharmaceutical sector ranks fifth in the United States in terms of sales and employment. Orthopedics is an \$8 billion industry in Indiana, with three Warsaw-based companies—Biomet, DePuy and Zimmer—controlling 30 percent of the overall global market in orthopedic joint replacement. Indiana is home to groundbreaking research in such fields as bio-engineering/tissue engineering, genomics/proteomics, bio-informatics and nanotechnology.

Life Sciences Initiatives

- *Biocrossroads* (www.biocrossroads.com)—aimed at developing specific collaborations between and within the region's research universities, government and private industry
- *Indiana Health Industry Forum* (www.ihif.org)—devoted to creating an environment where Indiana is a premier location for the creation and growth of successful health industry enterprises
- *Indiana Genomics Initiative*—creates a world-class biomedical enterprise built on existing strengths at IU's School of Medicine and Office of Information Technology. The School of Medicine currently holds \$130 million in research funding, which includes funding for the nation's only federally-sponsored gene vector production and research facility

Tax Incentives

Along with incentives offering support for infrastructure, training and payroll-based tax credits, new incentives have been designed to stimulate business:

- *Technology Enhancement Certification for Hoosiers (TECH)*—new \$1 million program designed specifically to help existing Indiana workers gain new technological skills
- *Hoosier Business Investment Tax Credit (HBI)*—added transportation, distribution and logistical equipment purchases to the list of equipment qualifying for HBI
- *Research and Development Tax Credit*—provides an exemption to companies on the amount they paid in state sales taxes on research and development equipment, including laboratory equipment, computers, computer software, telecommunications equipment or testing equipment
- *Patent Income Tax Program*—provides a state tax exemption on some income derived from federal patents for new technology or processes



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Education

Indiana's higher education institutions are rich with life sciences curricula and resources:

BALL STATE UNIVERSITY

- Nation's #1 wireless campus
- Human Performance Laboratory
- Miller College of Business

INDIANA UNIVERSITY

- IU School of Medicine
- Center for Genomics and Bioinformatics
- Gill Center for Biomolecular Science
- IU Research and Technology Corporation
- IU Emerging Technologies Center
- Kelley School of Business

IUPUI

- School of Informatics
- Collaboration in the Life Sciences and Informatics Research (CLSIR)
- The Regenstrief Institute

IVY TECH COMMUNITY COLLEGE

Biotechnology Programs Serve:

- Medical Manufacturing
- Pharmaceuticals
- Agriculture

PURDUE UNIVERSITY

- Purdue Research Foundation
- Purdue Discovery Park
- Purdue Research Park
- College of Engineering
- College of Veterinary Medicine

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

- Rose-Hulman Ventures
- Biomedical engineering degree
- #1 Master's level engineering school in the nation

UNIVERSITY OF NOTRE DAME

- Notre Dame Energy Center
- Center for Nano Science and Technology
- Radiation Laboratory

Workforce

- *Technology Recruitment Program*—helps Indiana businesses recruit students from Indiana as well as neighboring states
- *Brain Gain Project*—creates both internship and cooperative opportunities linking Indiana universities with Indiana businesses
- *Flexibility*—Indiana has a seasoned workforce with Transportation, Distribution & Logistics (TDL) expertise. The progressive mindset of Indiana's TDL sector is a motivator for economic growth
- *Talent*—Indiana's skilled workforce has deep roots in supply-chain management from a manufacturing and academic climate. The state's institutions of higher learning strongly support that talent
- *Technology*—Indiana is investing in and applying new technologies and the latest scientific discoveries, highlighted by the success of Indiana's life sciences industry

