



**Biotechnology  
Innovation  
Organization**



# FLORIDA'S 82,801 BIOTECHNOLOGY WORKERS are HEALING, FEEDING & FUELING the World

Florida's bioscience industry is helping to diversify and grow the U.S. economy. American bioscience innovation in health, energy and agriculture are creating high-skill, high-wage jobs, driving economic growth and helping to improve the quality of life for Americans from coast to coast.



### HEALING

Since 1982, biotechnology drugs and vaccines have helped improve the quality of life for more than 250 million patients living with debilitating diseases such as cancer, diabetes, and HIV/AIDS. Currently there are more than 900 biotechnology drugs in clinical development targeting cancer, cardiovascular disease, HIV/AIDS and thousands of rare or "orphan" diseases.



### FEEDING

Agricultural biotechnology benefits farmers, consumers and the environment by increasing crop yields and farm income, decreasing pesticide applications, increasing environmental sustainability, and enhancing the nutritional profile of many foods – while also spurring America's economy.



### FUELING

Industrial and environmental biotechnology companies are developing technologies to reduce waste, improve industrial processes, and reduce our reliance on foreign sources of energy. Successful commercialization of cellulosic biofuels and renewable chemicals have created 8,000 new jobs in the past five years.



**SOURCE OF DATA:** *TEconomy/BIO* The Value of Bioscience Innovation in Growing Jobs and Improving Quality of Life 2016. To read the full report visit: <https://www.bio.org/value-bioscience-innovation-growing-jobs-and-improving-quality-life-2016>

For additional information please contact Jeanne Haggerty at either 202.962.9200 or [jhaggerty@bio.org](mailto:jhaggerty@bio.org)  
[bio.org](http://bio.org) | [info@bio.org](mailto:info@bio.org)



**Biotechnology  
Innovation  
Organization**

# BIOTECHNOLOGY IN **FLORIDA**

Florida is home to a large and diverse bioscience industry with nearly 83,000 jobs that span 5,895 business establishments. The state has a specialized employment concentration in the bioscience-related distribution subsector and is highly concentrated in agricultural feedstock and chemicals. Florida's bioscience industry has grown its employment base by 4.9 percent since 2012 with four of the five major subsectors contributing to job growth including double-digit employment gains in both drugs and pharmaceuticals and in medical devices. Florida's research universities conducted more than \$1.2 billion in bioscience-related R&D in 2014. The state also stands out in its level of bioscience patenting with 4,904 patents issued to Florida inventors since 2012, placing it among the top tier of states. Key patent segments in Florida include medical and surgical devices; drugs and pharmaceuticals; and the agricultural biosciences.



## **HIGHLY CONCENTRATED BIOTECH HUB**

After years of aggressive, coordinated effort, Florida has firmly established itself as a true hub for the life sciences. The state's world-class life sciences research centers and universities have placed Florida as the Southeast's leader in STEM graduates, providing the vital workforce for the state's growing life-science industry which has outpaced the national average since 2012.



## **CLINICAL TRIALS**

Florida boasts a remarkable network of hospitals and research institutions across the state. One of the measures of their activity in the biomedical space is the number of clinical trials that are conducted in Florida. According to the National Institutes of Health (NIH), Florida has conducted nearly 18,000 clinical trials, ranking it fourth among the states.

NIH awarded \$521.8 million to 68 entities in Florida during the 2015 fiscal year, up from \$340 million to 59 entities in 2006. Eighty two percent of that NIH funding has been awarded to Florida's public universities.



## **INFRASTRUCTURE**

Florida is uniquely situated for biopharmaceutical companies, especially those with manufacturing and distribution functions. In 2014, the US Chamber of Commerce Foundation rated Florida the second best state for infrastructure. This includes 20 commercial airports, 15 deepwater seaports and 3,000 miles of freight rail tracks.