

Idaho



Idaho has a diverse and growing bioscience industry that employed 7,589 across more than 500 business establishments. The state has a specialized employment concentration in three of the five major bioscience subsectors—agricultural feedstock and chemicals; bioscience-related distribution; and research, testing, and medical labs. Idaho bioscience companies have increased employment by 1.6 percent since 2007, with job growth in research, testing, and medical labs driving the gains. Since 2009, Idaho inventors have been issued 218 patents across an array of bioscience patent classes including biotechnology, surgical and medical instruments, and biochemistry.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metric	Idaho	United States	Quintile
Bioscience Industry, 2012			
Bioscience Industry Employment	7,589	1,619,746	IV
Bioscience Industry Location Quotient	1.03	n/a	II
Bioscience Industry Establishments	534	73,088	IV
Academic Bioscience R&D Expenditures, FY 2012			
Bioscience R&D (\$ thousands)	\$73,121	\$38,139,876	V
Bioscience Share of Total R&D	51%	61%	IV
Bioscience R&D Per Capita	\$45	\$119	V
NIH Funding, FY 2013			
Funding (\$ thousands)	\$7,632	\$22,293,255	V
Funding Per Capita	\$5	\$70	V
Bioscience Venture Capital Investments, 2009–13 (\$ millions)	\$0.0	\$49,401.7	n/a
Bioscience and Related Patents, 2009–13	218	100,238	V

State ranking figures for bioscience performance metrics are calculated as quintiles, where I = top quintile, III = middle quintile, and V = bottom quintile.

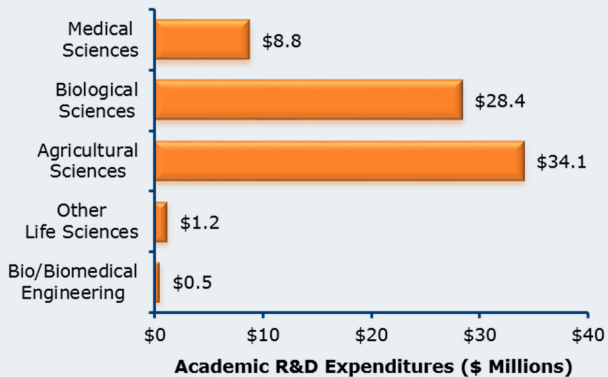
For source notes, see end of State Profile.

Industry Subsector	Idaho		United States	
	2012	2007–2012 Change	2012	2007–2012 Change
Agricultural Feedstock & Chemicals				
Establishments	41	-4.7%	1,772	5.2%
Employment	984	-39.3%	76,404	-1.0%
Location Quotient	2.84		n/a	
Direct-Effect Employment Multiplier	14.6		18.1	
Total Employment Impact	14,357		1,382,637	
Average Annual Wage	\$66,713	26.9%	\$75,828	14.2%
Bioscience-Related Distribution				
Establishments	298	2.5%	36,793	1.4%
Employment	2,998	-0.4%	442,016	-3.9%
Location Quotient	1.46		n/a	
Direct-Effect Employment Multiplier	2.5		2.7	
Total Employment Impact	7,538		1,199,015	
Average Annual Wage	\$57,189	21.3%	\$85,188	11.5%
Drugs and Pharmaceuticals				
Establishments	21	16.7%	3,057	12.0%
Employment	354	93.4%	284,331	-10.9%
Location Quotient	0.27		n/a	
Direct-Effect Employment Multiplier	5.5		9.9	
Total Employment Impact	1,963		2,673,265	
Average Annual Wage	\$48,259	-4.9%	\$106,576	13.9%
Medical Devices and Equipment				
Establishments	49	16.7%	7,235	12.0%
Employment	311	-6.6%	349,432	1.4%
Location Quotient	0.20		n/a	
Direct-Effect Employment Multiplier	2.9		3.9	
Total Employment Impact	887		1,318,459	
Average Annual Wage	\$41,006	7.0%	\$75,695	10.7%
Research, Testing, and Medical Laboratories				
Establishments	126	29.0%	24,231	31.0%
Employment	2,942	26.6%	467,563	9.7%
Location Quotient	1.39		n/a	
Direct-Effect Employment Multiplier	2.9		2.7	
Total Employment Impact	8,445		1,284,196	
Average Annual Wage	\$76,480	13.7%	\$91,248	15.9%
Total Bioscience Industry				
Establishments	534	8.8%	73,088	11.4%
Employment	7,589	1.6%	1,619,746	-0.4%
Location Quotient	1.03		n/a	
Direct-Effect Employment Multiplier	4.2		4.9	
Total Employment Impact	31,641		7,857,572	
Average Annual Wage	\$64,822	19.4%	\$88,202	12.8%
Total Private Sector				
Establishments	50,285	-6.4%	8,699,564	-0.5%
Employment	503,785	-8.2%	111,137,206	-3.1%
Average Annual Wage	\$35,877	7.5%	\$49,130	11.1%

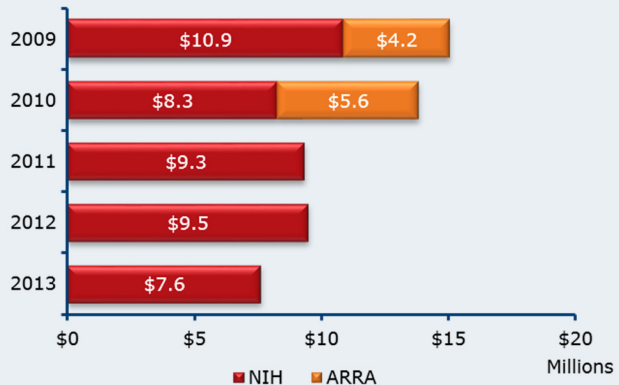
Note: U.S. employment metrics include Puerto Rico. Estimates of total impacts do not include Puerto Rico.

Bioscience Research in Idaho

Bioscience Academic R&D Expenditures, FY 2012



NIH Awards, 2009–2013



Bioscience Venture Capital in Idaho

Bioscience-Related Venture Capital Investments, 2009–2013

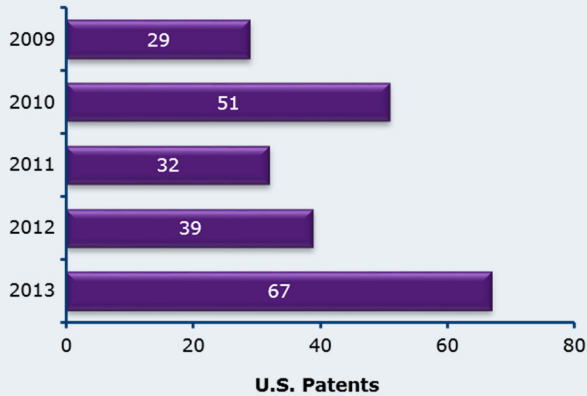
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Bioscience-Related Venture Capital Investments by Segment, 2009–2013

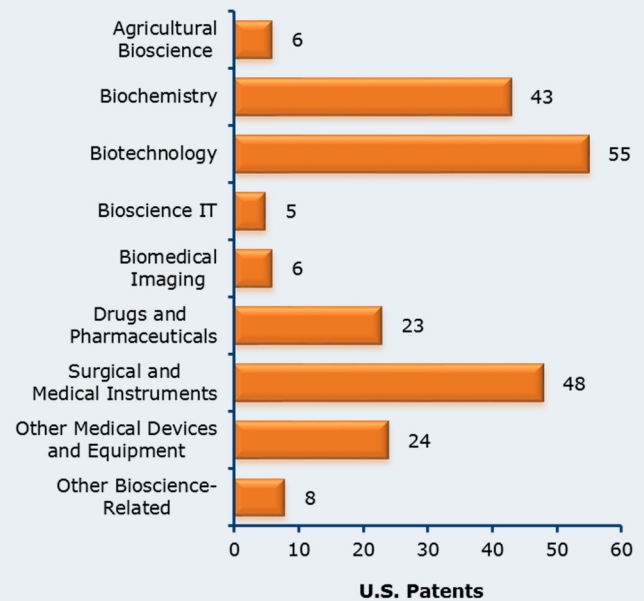
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Bioscience Patents in Idaho

Bioscience-Related Patents, 2009–2013



Bioscience-Related Patents by Segment, 2009–2013



Source Notes

Employment, Establishments, and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced file from the IMPLAN Group, LLC.

Employment Multipliers: IMPLAN Group, LLC state-level Input/Output models.

Academic R&D Expenditures: National Science Foundation (NSF) Higher Education Research and Development (HERD) Survey.

NIH Funding: National Institutes of Health, *NIH Awards by Location & Organization* (summary information within RePORT database), and NIH-managed funding for FY 2009 and FY 2010 from the American Recovery and Reinvestment Act (ARRA) website.

Venture Capital: Thomson Reuters Thomson ONE venture capital database.

Patents: U.S. Patent & Trademark Office data from Thomson Reuters Delphion Patent Analysis Database.

For a more detailed discussion of the data and methodology used, please see the Appendix to the full national report.