Alabama



The U.S. Bioscience Economy:

Advancing Innovation and Strengthening States and Regions

Alabama's bioscience industry has grown by 9.2 percent since 2021, outpacing national employment growth. The industry accounted for 15,610 jobs across 1,964 business establishments in 2025. Double-digit job gains in bioscience-related distribution, pharmaceuticals, and research, testing, and medical laboratories contributed to this growth. Alabama also retains a specialized employment concentration in agricultural feedstock and industrial biosciences, with a location quotient of 1.42. Industry wages averaged $101,480, exceeding the state's private sector average by 59 percent. Bioscience-related R&D expenditures at Alabama universities totaled $1.1 billion in FY 2024, and state institutions received $351.3 million in NIH funding in FY 2025.

BIOSCIENCE PERFORMANCE METRICS

Summary of State Performance in Selected Bioscience-related Metrics

METRIC		Alabama	United States	Quintile
Bioscience Industry, 2025	Bioscience Industry Employment	15,610	2,312,617	III
	Bioscience Industry Location Quotient	0.52	n/a	V
	Bioscience Industry Establishments	1,964	156,463	III
Academic Bioscience R&D Expenditures, FY 2024	Bioscience R&D ($ thousands)	$1,072,780	$68,902,940	III
	Bioscience Share of Total R&D	66%	63%	II
	Bioscience R&D Per Capita	$208	$203	II
NIH Funding, FY 2025	Funding ($ thousands)	$351,328	$36,741,235	III
	Funding Per Capita	$68	$107	III
Bioscience Venture Capital, 2021-25	Investments ($ millions)	$359.47	$297,644	IV
Bioscience-Related Patents, 2021-25	Total Patents	640	138,607	IV

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.

Alabama

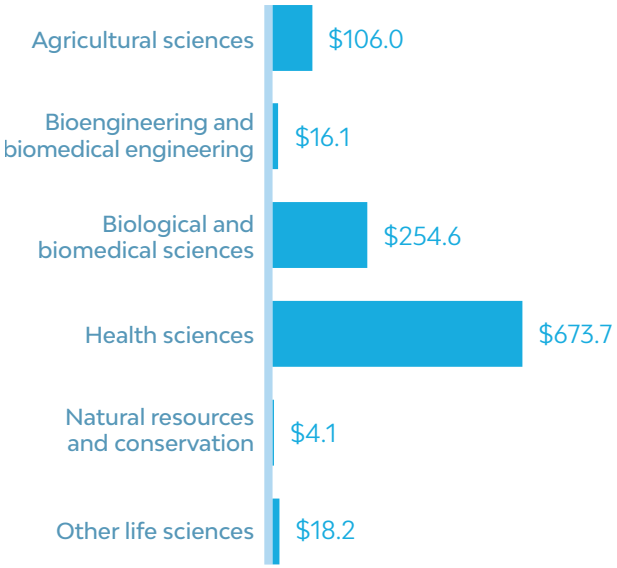
INDUSTRY SUBSECTOR		Alabama 2025	Alabama 2021–2025 Change	United States 2025	United States 2021–2025 Change
Agricultural Feedstock and Industrial Biosciences	Establishments	29	-1.7%	2,158	10.7%
	Employment	1,305	-11.2%	71,331	2.2%
	Location Quotient	1.42		n/a	
	Average Annual Wage	$99,213	17.0%	$105,506	14.7%
Bioscience-Related Distribution	Establishments	715	94.9%	68,949	10.0%
	Employment	5,017	29.2%	667,651	10.7%
	Location Quotient	0.58		n/a	
	Average Annual Wage	$112,104	29.8%	$144,792	19.0%
Medical Devices and Equipment	Establishments	200	74.1%	13,595	24.6%
	Employment	2,098	-20.0%	430,363	1.9%
	Location Quotient	0.38		n/a	
	Average Annual Wage	$85,725	42.4%	$110,757	13.9%
Pharmaceuticals	Establishments	134	72.7%	7,880	31.0%
	Employment	1,535	14.2%	363,904	5.4%
	Location Quotient	0.33		n/a	
	Average Annual Wage	$106,033	27.7%	$146,506	16.3%
Research, Testing, and Medical Laboratories	Establishments	886	28.8%	63,881	37.0%
	Employment	5,655	13.7%	779,368	8.1%
	Location Quotient	0.56		n/a	
	Average Annual Wage	$97,188	26.9%	$167,555	13.7%
Total Bioscience Industry	Establishments	1,964	53.8%	156,463	22.1%
	Employment	15,610	9.2%	2,312,617	7.0%
	Location Quotient	0.52		n/a	
	Average Annual Wage	$101,480	30.6%	$145,188	16.0%
Total Private Sector	Establishments	158,444	18.8%	11,985,043	12.5%
	Employment	1,722,071	7.4%	133,872,972	8.5%
	Location Quotient	1.00		n/a	
	Average Annual Wage	$63,719	18.7%	$78,863	16.3%

Note: U.S. employment metrics include Puerto Rico.

BIOSCIENCE RESEARCH IN ALABAMA

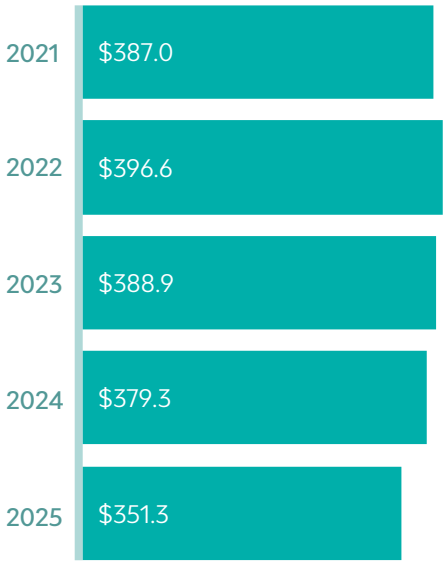
Bioscience Academic R&D Expenditures

$ Millions, FY 2024



NIH Awards

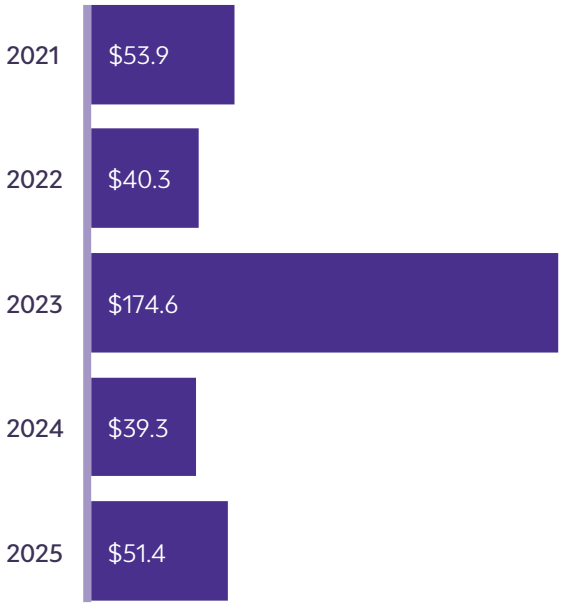
$ Millions, FY 2021-2025



BIOSCIENCE VENTURE CAPITAL IN ALABAMA

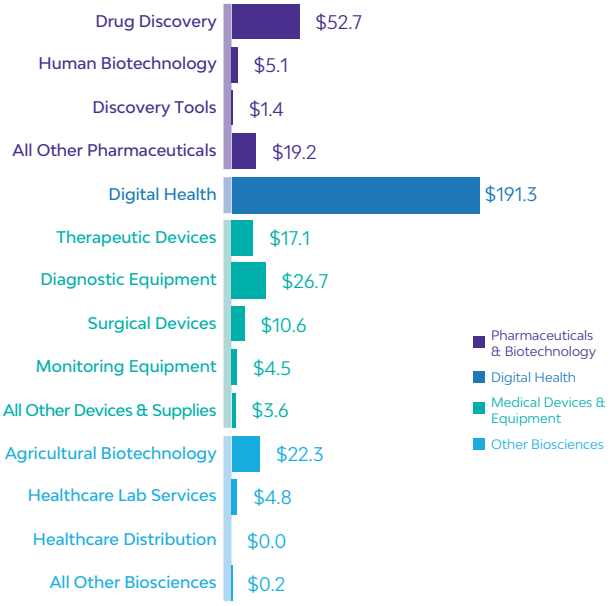
Bioscience-Related Venture Capital Investments

$ Millions, 2021-2025



Bioscience-Related Venture Capital Investments by Segment

$ Millions, 2021-2025

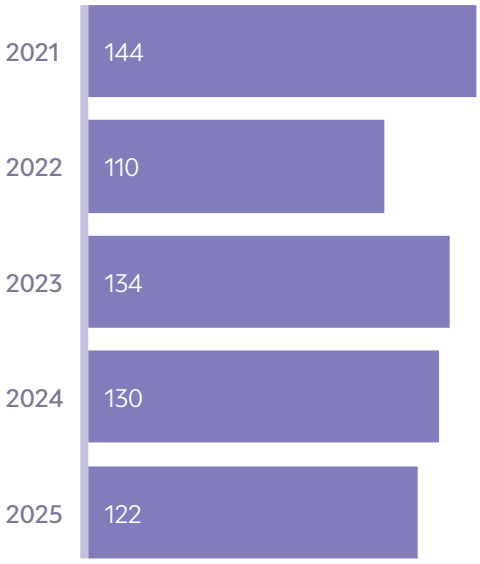


Alabama

BIOSCIENCE PATENTS IN ALABAMA

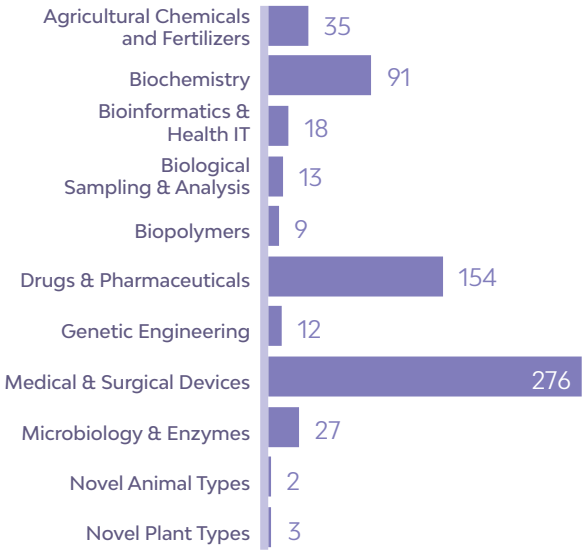
Bioscience-Related U.S. Patents

2021-2025



Bioscience-Related U.S. Patents by Segment

2021-2025



SOURCE NOTES

Employment, Establishments and Wages: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW), enhanced by Lightcast (Datarun 2026.3).

Academic R&D Expenditures: National Science Foundation (NSF), National Center for Science and Engineering Statistics (NCSES), Higher Education Research and Development (HERD) Survey.

NIH Funding: National Institutes of Health, NIH Awards via the NIH RePORT portal.

Venture Capital: PitchBook Data, Inc.

Patents: U.S. Patent & Trademark Office data from the Clarivate Derwent Patent Search patent analysis database.

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

TECONOMY PARTNERS LLC

Bio Biotechnology Innovation Organization

CSBA Council of State Bioscience Associations