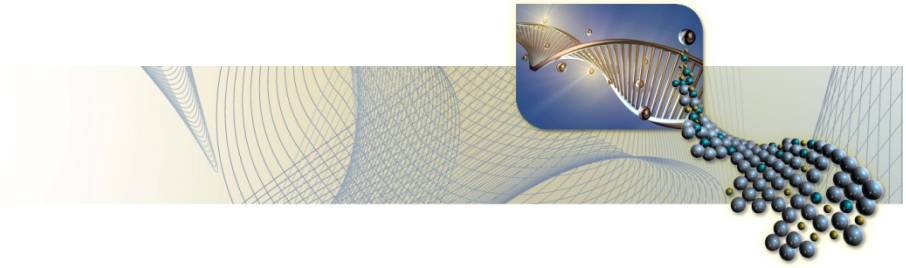
GEORGIA



Employment in Georgia's research, testing and medical laboratories subsector and in agricultural feedstock and chemicals has grown faster than the national average overall since 2001. Academic research expenditures in biosciences reached $840 million in 2008, predominantly in biological sciences ($354 million) and medical sciences ($321 million), but also with a significant share in bio/biomedical engineering ($47 million). State growth in academic bioscience R&D was 24 percent from 2004 to 2008, which outpaced the national growth rate. NIH funding to Georgia institutions has also grown rapidly, increasing by 11 percent in baseline funding since 2004 and up 36 percent with additional American Recovery and Reinvestment Act (ARRA) funding taken into account. The $683 million in venture capital invested in biosciences during the last six years was widely diversified across fields, led by medical diagnostics, human biotechnology, and medical therapeutics.

Bioscience Performance Metrics

Summary of State Performance in Selected Bioscience-related Metrics

Metrics	Georgia	United States	Rank*
Bioscience Industry, 2008			
Total Bioscience Industry Employment, 2008	21,170	1,420,324	II
Bioscience Industry Location Quotient, 2008	0.51	n/a	V
Biosciences Industry Establishments, 2008	1,199	47,593	II
Academic R&D Expenditures, FY 2008			
Bioscience R&D ($ thousands)	$840,012	$31,818,810	12
Bioscience Share of Total R&D	55.2%	61.3%	32
Bioscience R&D Per Capita	$86.62	$104.54	32
Change in Bioscience R&D, FY 2004–08	24.4%	22.3%	15
NIH Funding, FY 2009			
Total, Including ARRA Funds ($ thousands)	$504,283	$25,837,590	16
Per Capita Funding	$51.30	$84.16	30
Change in Baseline Funding, FY 2004–09**	11.1%	-4.7%	8
Change in Total Funding, FY 2004–09	35.6%	14.6%	8
Clinical Trials, Initiated 2009	495	5,299	14
Higher Education Degrees in Bioscience Fields, AY 2008	3,713	161,811	13
Employment in Bioscience-related Occupations, 2008	18,440	717,510	13
Bioscience Venture Capital Investments, 2004–09 ($ millions)	$682.8	$60,099	15
Bioscience and Related Patents, 2004–09	1,565	75,593	18

*State ranking figures for bioscience industry employment metrics are calculated as quintiles (I=Top Quintile; V=Bottom Quintile). All other metrics are ranked 1-52.
**Baseline Funding does not include American Recovery and Reinvestment Act (ARRA) funds for 2009.
For source notes, see end of State Profile.

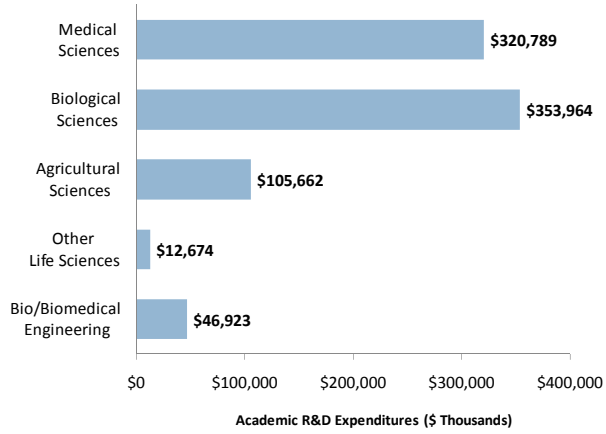
Bioscience Industry Base, 2008

INDUSTRY SUBSECTOR	Georgia		United States	
	2008	2001–08 Change	2008	2001–08 Change
AGRICULTURAL FEEDSTOCK & CHEMICALS				
Establishments	81	11.2%	2,440	16.0%
Employment	2,897	4.4%	114,793	1.9%
Location Quotient	0.86		n/a	
Direct-Effect Employment Multiplier	6.01		11.33	
Total Employment Impact	17,401		1,284,650	
Average Annual Wage	$54,177		$72,279	
DRUGS & PHARMACEUTICALS				
Establishments	46	21.1%	2,771	6.4%
Employment	3,111	-1.9%	311,882	2.3%
Location Quotient	0.34		n/a	
Direct-Effect Employment Multiplier	7.01		9.92	
Total Employment Impact	21,814		2,873,278	
Average Annual Wage	$98,455		$93,378	
MEDICAL DEVICES & EQUIPMENT				
Establishments	397	9.1%	15,227	0.4%
Employment	6,868	-8.3%	435,509	2.0%
Location Quotient	0.54		n/a	
Direct-Effect Employment Multiplier	3.49		4.87	
Total Employment Impact	23,941		2,029,581	
Average Annual Wage	$56,454		$63,606	
RESEARCH, TESTING, & MEDICAL LABORATORIES				
Establishments	675	81.1%	27,154	57.7%
Employment	8,294	51.0%	558,140	46.1%
Location Quotient	0.51		n/a	
Direct-Effect Employment Multiplier	2.32		3.30	
Total Employment Impact	19,211		1,853,127	
Average Annual Wage	$56,552		$80,785	
TOTAL BIOSCIENCES INDUSTRY				
Establishments	1,199	41.5%	47,593	28.3%
Employment	21,170	11.9%	1,420,324	15.8%
Location Quotient	0.51		n/a	
Direct-Effect Employment Multiplier	3.89		5.82	
Total Employment Impact	82,367		8,040,636	
Average Annual Wage	$62,353		$77,595	
TOTAL PRIVATE SECTOR				
Establishments	266,176	17.9%	8,860,956	13.8%
Employment	3,344,319	2.1%	113,917,377	3.5%
Average Annual Wage	$43,016		$45,229	

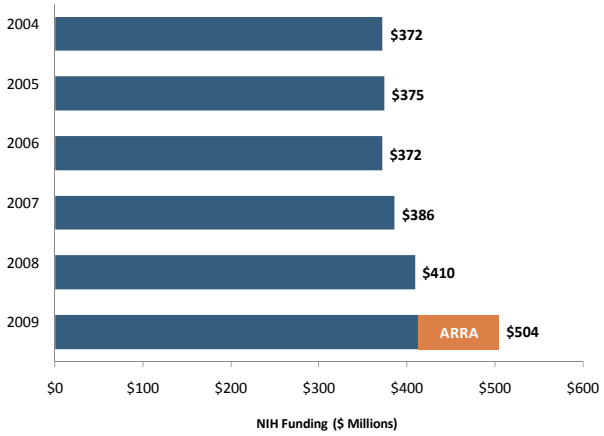
Note: U.S. employment metrics include Puerto Rico. Estimates of total employment impacts do not include Puerto Rico.

Bioscience Performance Metrics

Bioscience Academic R&D Expenditures in Georgia, FY 2008

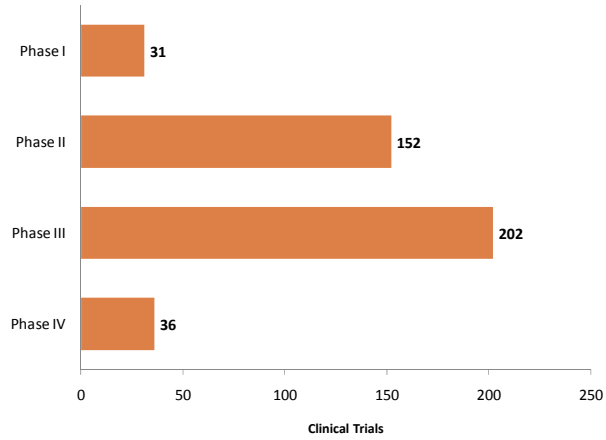


NIH Awards in Georgia, 2004–2009

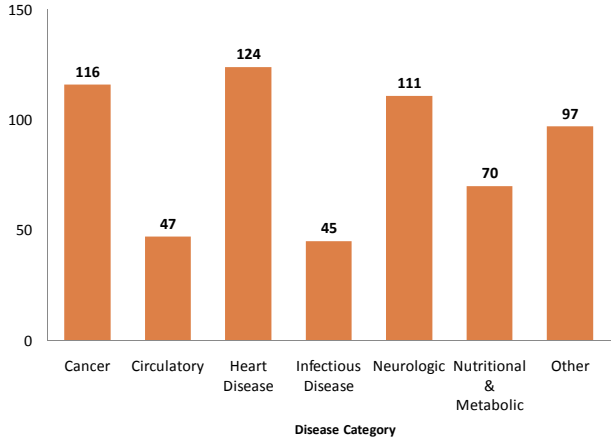


Recent Clinical Trial Activities

Clinical Trials by Phase in Georgia, 2009

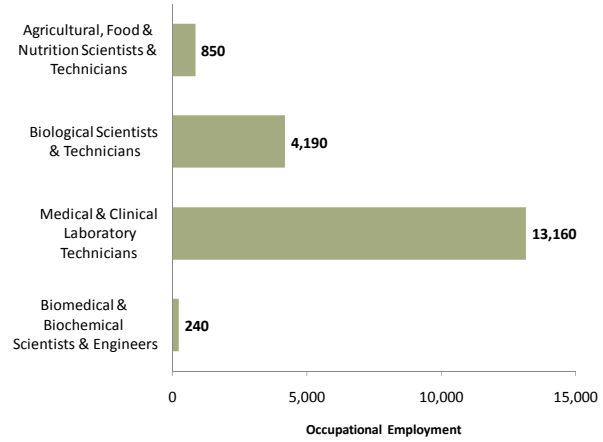


Clinical Trials by Major Disease Category in Georgia, 2009

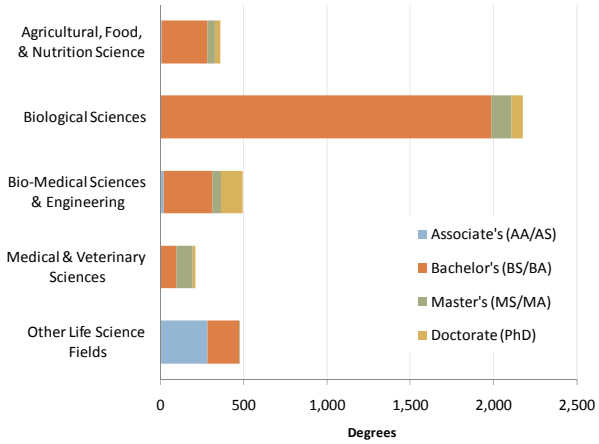


Bioscience Talent Base

Bioscience-related Occupational Employment in Georgia, 2008

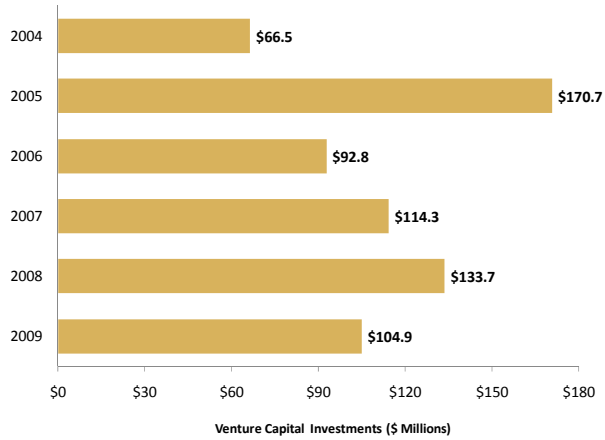


Bioscience-related Degrees in Georgia, AY 2008

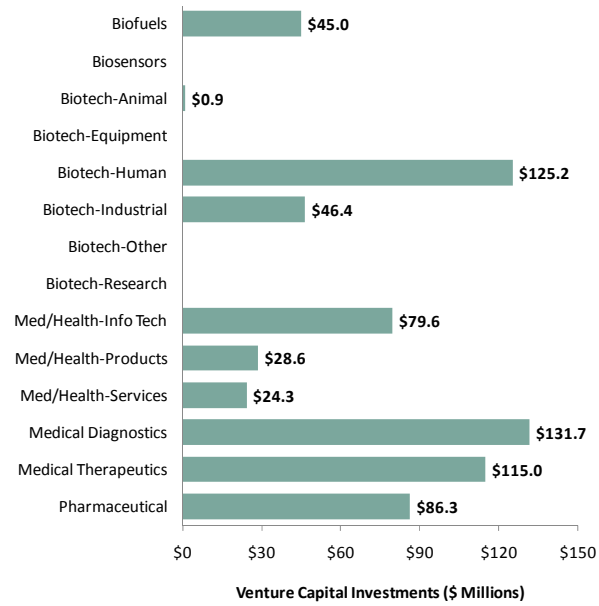


Bioscience Venture Capital

Bioscience-related Venture Capital Investments in Georgia, 2004–2009

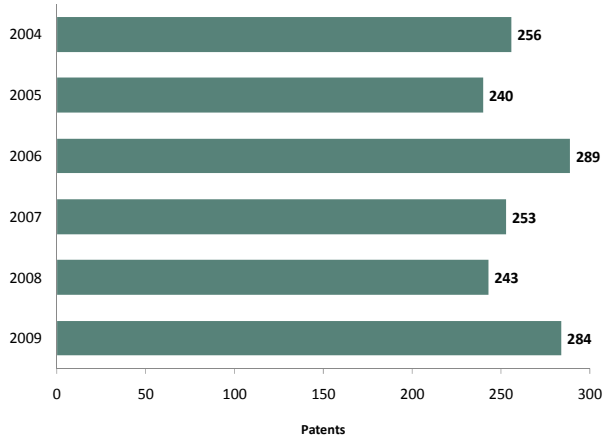


Bioscience-related Venture Capital Investments in Georgia by Segment, 2004–2009

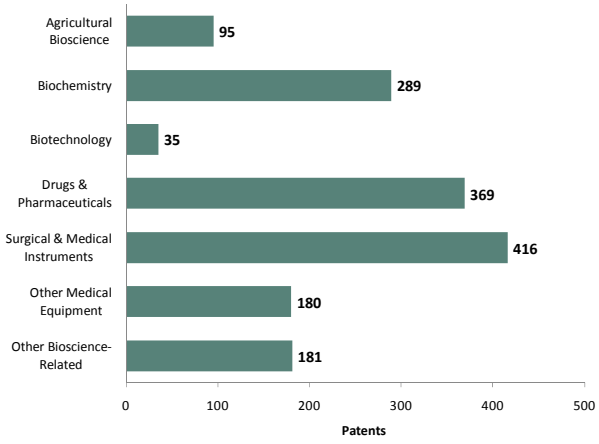


Bioscience Patents

Bioscience-related Patents in Georgia, 2004–2009



Bioscience-related Patents by Classification Group in Georgia, 2004–2009



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Source Notes:

Employment, Establishment, and Wage Data: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages (QCEW) industry data provided by the Minnesota IMPLAN Group, 2001 and 2008.

Employment Multipliers: U.S. Bureau of Economic Analysis RIMS II Employment Multipliers, 2006 (most currently available).

Academic R&D Expenditures: National Science Foundation (NSF) Survey of Research and Development Expenditures at Universities and Colleges, 2004 and 2008.

NIH Funding: National Institutes of Health, Office of Extramural Research, Award Trends, Dollars Awarded by State, 2004 and 2009.

Clinical Trials: National Institutes of Health**,** Clinicaltrials.gov, trials that were initiated in 2009.

Higher Education Degrees: National Center for Educational Statistics, Integrated Postsecondary Education Data System (IPEDS), 2008.

Occupational Employment: U.S. Bureau of Labor Statistics, Occupational Employment Statistics (OES) survey data, 2008.

Venture Capital: Thomson Reuters' VentureXpert Database, 2004–2009, as of January 15, 2010.

Patents: U.S. Patent & Trademark Office data as available from the Thomson Reuters' Delphion Patent Analysis Database, 2004–2009, as of January 15, 2010.

For a more detailed discussion of the data and methodology used, please see the Appendix to the full national report. ©2010