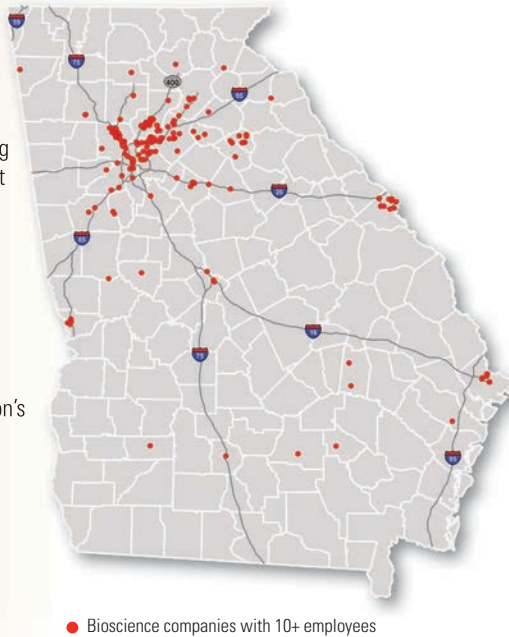


Bioscience Industry in Georgia

Georgia – home of one of the nation’s leading bioscience clusters.

GEORGIA'S BIOSCIENCE SNAPSHOT

- Georgia is home to 433 bioscience companies that employ 19,902, primarily located in Atlanta, Augusta and Athens. (Georgia Power Biosciences database, 2012)
- Georgia ranks sixth among the fastest-growing states in bio-related occupational employment between 2012 and 2017. (EMSI 2012 projection)
- Georgia ranks among the top 15 states for overall bio-related occupational employment. (EMSI 2012 projection)
- Georgia’s 44 world-renowned, bio-related Eminent Scholars attract millions in federal and private dollars, creating some of the nation’s leading bio research centers of excellence.
- Atlanta ranks third in research facility space among all U.S. bioscience clusters. (Jones Lang LaSalle, "Life Sciences Cluster Report, Global.2011)
- Approximately 2,400 bioscience jobs were created within the last five years by newly-located companies. (Public announcements – see table below)



Georgia’s Top Bioscience Employers

Organization	Company/Employees
CDC*	8,290
Baxter International (announced)	1,500
CIBA Vision (Alcon Laboratories)	1,330
Merial Ltd (and Merial Select)	1,225
Quest Diagnostics	1,099
C.R. Bard (and Bard Medical Div)	606
Covidien	550
Quintiles Laboratories	528
American Red Cross/SE Blood Svcs	500
Cancer Treatment Centers of America**	500
Ethicon Inc	500
SNF Inc	500
Kimberly-Clark Health Care	400
UCB Inc	300

*U.S. Centers for Disease Control & Prevention
 ** Opening in August 2012
 Source: Georgia Power Community & Economic Development, Business Wise Company Database – Total employment may include multiple locations

Georgia: Thriving Biosciences Industry

Georgia is the crossroads of global health, with a critical mass of bioscience organizations and companies leading innovations for the industry. Existing companies and new arrivals also have access to a highly-educated workforce, renowned research institutions, cutting-edge technological resources and global access through Hartsfield-Jackson Atlanta International Airport.

Georgia’s business-friendly climate is consistently ranked among the best in the country, with incentives that encourage growth among bio companies. For example, companies that create 50 or more high-paying jobs can take advantage of Georgia’s Quality Job Tax Credit. The credit provides between \$2,500 – \$5,000 in credits taken against payroll withholding.

Major Locations Bring Nearly 2,400 New Jobs

Companies Newly-Located in Georgia Since 2008

Company	Product or Service	Announced Jobs*	Location	Year
Baxter International	Plasma-based therapeutics	1,500	Covington	2012
QualTex Laboratories	Blood testing	125	Norcross	2010
ADMA Biologics	Plasma donation center	40	Norcross	2009
Dendreon Corp	Novel therapeutics	550	Union City	2009
Dicon Technologies Inc	Medical components	88	Moultrie	2008
Reliant Medical Services	Diagnostic imaging equipment	50	Thomson	2008

Source: Public announcements, *projected employment at full capacity, does not represent current employment

Why Georgia for Biosciences?

- Large concentration of bio employment, including more than 18,000 researchers and scientists; Atlanta is among the top 20 metros for concentration of research testing and medical laboratory employment. (Battelle/BIO State Bioscience Initiatives 2010)
- World-class research institutions and technological resources
- Pro-business climate and favorable tax structure
- World-class post-secondary programs, awarding more than 3,300 bioscience-related degrees annually (National Center for Education Statistics, 2012)
- The HOPE scholarship is available to all students who meet academic requirements, covering 90-100% of tuition costs for 4-year programs. The HOPE grant covers 100 percent of tuition costs for 2-year degree programs.
- Superior global accessibility, serving nearly 250 global markets

Georgia Metros With Concentration of Bio Employment:

Agricultural Feedstock & Chemicals:

- Augusta
- Valdosta

Drugs & Pharmaceuticals:

- Athens

Medical Devices:

- Gainesville

Research & Development:

- Atlanta
- Hinesville - Ft. Stewart
- Valdosta

Source: Battelle BIO State Bioscience Initiatives 2010 – represents metro areas with either high levels of employment or high concentration of employment based on location quotients

Baxter International brings 1,500 jobs and a \$1 billion investment to Georgia

“Baxter’s decision to come to Georgia marks a new era in the growth of our biosciences industry and will have far-reaching impact on our economy.”

Nathan Deal, Governor of Georgia

“Baxter International Selects Georgia for \$1 billion bio-pharmaceutical manufacturing investment,” Press release, Governor’s office, 4.19.2012

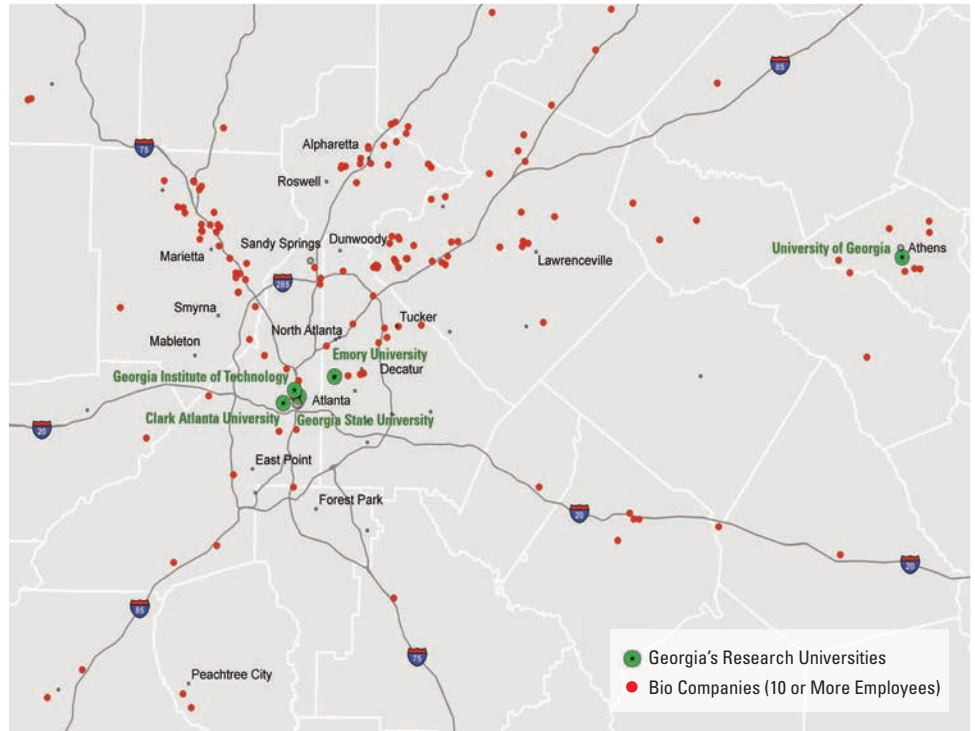
“Baxter’s new Georgia facility will manufacture plasma-based therapies that treat chronic and life-threatening illnesses. The operation will also include warehouse and distribution facilities. In addition to the manufacturing facility, Baxter will locate plasma centers in a number of communities around the state.”

Atlanta is named as one of seven emerging bioscience clusters in the U.S., according to Jones Lang LaSalle.

“Life Sciences Cluster Report, Global.2011”

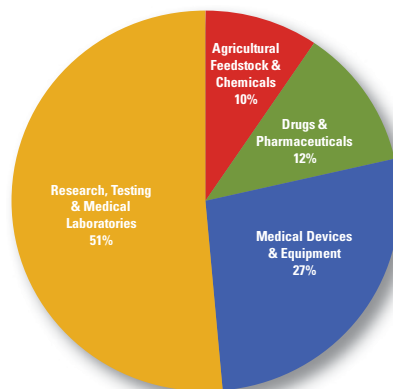
Clusters of bioscience companies in Georgia are located predominantly in metro Atlanta, Augusta and Athens.

Critical Mass Attracts More Companies



Source: Bioscience Database, Georgia Power Community & Economic Development

Employment by Sector for Georgia’s Bio Industry (Based on Battelle Study from 2010)



R&D Largest Sector of Georgia’s Bio Industry

Research, Testing & Medical Laboratories	
Testing Laboratories	2,689
R&D in Biotechnology	1,670
R&D in Physical, Engineering, & Life Sciences (except Biotechnology)	2,278
Medical Laboratories	4,436
Diagnostic Imaging Centers	1,439

Agricultural Feedstock & Chemicals	
Soybean Processing	332
Other Oilseed Processing	153
Ethyl Alcohol Mfg	59
All Other Basic Organic Chemical Mfg	748
Cellulosic Organic Fiber Mfg	66
Nitrogenous Fertilizer Mfg	235
Fertilizer (Mixing Only) Mfg	193
Pesticide and Other Agricultural Chemical Mfg	518

Drugs & Pharmaceuticals	
Medicinal and Botanical Mfg	372
Pharmaceutical Preparation Mfg	1,885
In-Vitro Diagnostic Substance Mfg	407
Biological Product (except Diagnostic) Mfg	250

Medical Devices & Equipment	
Electromedical and Electrotherapeutic Apparatus Mfg	66
Analytical Laboratory Instrument Mfg	46
Irradiation Apparatus Mfg	34
Surgical and Medical Instrument Mfg	1,202
Surgical Appliance and Supplies Mfg	2,489
Dental Equipment and Supplies Mfg	70
Ophthalmic Goods Mfg	1,226
Dental Laboratories	1,470

Source: EMSI 2012 Industry Employment Estimates, Selected Industries based on Battelle/BIO State Bioscience Initiatives 2010 designation

Georgia is a leading state for bioscience talent.

Abundant Talent and World-Class Education

Georgia ranks among the top 15 states in concentration of bioscience talent. In 2010, post-secondary institutions in Georgia awarded 3,336 bioscience-related degrees while employment totaled 31,510 for selected bioscience-related occupations. Occupational employment projections indicate that Georgia will have one of the fastest growing bioscience workforces over the next five years, increasing by nearly 8 percent through 2017.

(source: EMSI 2012)

Georgia's graduates are trained in the nation's top research intensive institutions. **The Georgia Institute of Technology (Georgia Tech) and Emory University offer a joint biomedical engineering program ranked 2nd in the nation** (Source: 2012 U.S. News & World Report). The University of Georgia (UGA), Georgia State University (GSU), Clark Atlanta University (CAU), Mercer University, Medical College of Georgia (MCG)*, and the Morehouse School of Medicine (MSM) also offer extensive bioscience programs.

The **Georgia Research Alliance (GRA)**, a non-for-profit entity, administers the Eminent Scholars Program. Approximately 44 of 62 world-renowned scientists recruited from around the world specialize in various bioscience fields. The scholars' expertise is available to academia as well as to the business community. See a listing of Georgia's Eminent Scholars on page 8.

*Now Georgia Health Sciences University

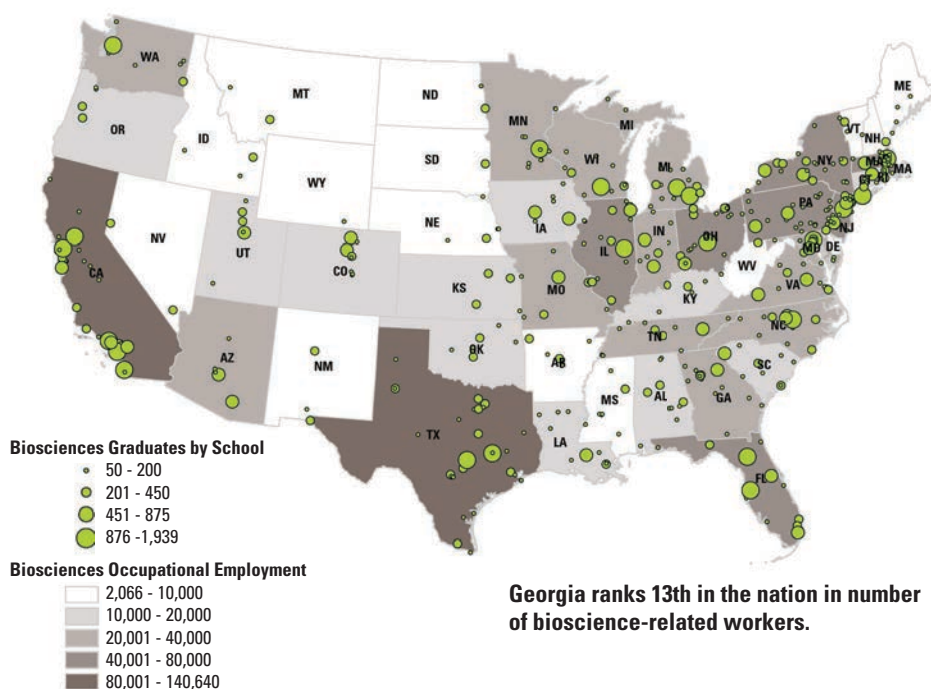
Atlanta Among Top Metros for Bio Graduates

Metro Area	Grads	Metro Area	Grads
New York, NY	7,528	San Francisco, CA	1,711
Los Angeles, CA	4,976	Minneapolis, MN	1,706
Boston, MA	3,592	Atlanta, GA	1,636
Chicago, IL	3,193	Dallas, TX	1,538
Philadelphia, PA	2,950	Gainesville, FL	1,435
Washington DC	2,422	Madison, WI	1,326
San Diego, CA	2,223	Durham, NC	1,309
Baltimore, MD	2,133	St. Louis, MO	1,295
Sacramento, CA	2,089	Seattle, WA	1,279
Miami, FL	1,804	Columbus, OH	1,260

Sources: IPEDS, 2010 completions data

Georgia Offers Abundant Bioscience Talent

Bioscience employment by state, graduates by school



NOTE: Bioscience-related occupations (see listing on following page) based on *Battelle/BIO: State Bioscience Initiatives 2010, Battelle Technology Partnership Practice, May 2010*. Bioscience-related completions based on degrees granted in selected bioscience disciplines – only schools awarding 50 or more degrees in bio-related disciplines per year are shown on the map (bachelor's degree or higher). Sources: EMSI 2012 estimated employment for selected bioscience occupations; IPEDS 2010 completions data

Georgia's Universities Supply a Pipeline of Bio-Related Graduates

	City	Enrollment	Graduates*
University of Georgia	Athens	34,677	778
Emory University	Atlanta	13,381	426
Georgia State	Atlanta	30,444	352
Georgia Tech	Atlanta	20,717	336

Source: IPEDS 2010, U.S. Department of Education

*Bachelor's or higher in selected disciplines including biological and biomedical science, biomedical/medical engineering and biological/biosystems engineering and other disciplines from the Battelle Partnership Practice publication *Battelle/BIO: State Bioscience Initiatives 2010*



Georgia's Technical Colleges with Bioscience Programs

- Athens Technical College
- Atlanta Technical College
- Central Georgia Technical College
- Chattahoochee Technical College
- Gwinnett Technical College

Source: Technical College System of Georgia (TCSG), 2012

"We expect to hire highly-trained, expert clinical laboratory scientists, certified lab technicians, quality specialists, materials management personnel and general management personnel. We chose metro Atlanta because it's a leading medical commercial center in the Southeast, where we know we can find a quality workforce, and it helps us serve our growth and customers along the Eastern seaboard. It's the logical choice."

Dr. Norman D. Kalmin, CEO of South Texas Blood & Tissue Center and CEO-designate of QualTex

QualTex Laboratories Expands to Gwinnett County, Georgia
Department of Economic Development, 02/23/10

World-Class Workforce and Industry Acumen

Location quotients identify Georgia's most highly-specialized bioscience occupations.

- Medical and clinical laboratory technicians, ophthalmic laboratory technicians, medical and clinical laboratory technologists, microbiologists and pharmacists are more highly specialized than the U.S. overall.
- Medical and clinical laboratory technicians will experience the greatest increase in specialization over the next 10 years, with location quotients growing by 43 percent.

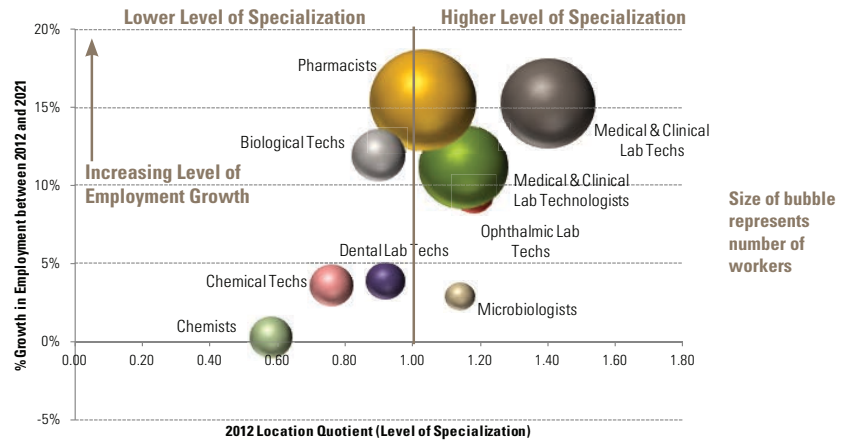
About location quotients: Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Source: EMSI 2012 Occupational Data, 2011.4 and "The Georgia Life Sciences Industry, 2011," Shaping Infinity



Growth in Georgia's bioscience-related occupations is expected to outpace the nation, increasing by 12.4 percent over the next 10 years, with the highest percentage growth in biomedical engineers, medical scientists, and epidemiologists. The presence of the CDC in Georgia may account for some of this increase. Georgia's growth will outpace that of the U.S. in 13 of 21 occupations most closely associated with the bioscience industry.

Occupational Specialization in Georgia's top Bioscience-Related Fields – Location Quotients



Employment Growth for Bioscience-Related Occupations in Georgia, Compared to the U.S.

SOC Code	Description	US			Georgia		
		2012	2021	% Growth	2012	2021	% Growth
17-2031	Biomedical engineers	17,142	25,948	51.37%	218	329	50.92%
19-1011	Animal scientists	2,313	2,541	9.86%	16	18	12.50%
19-1012	Food scientists and techs	11,347	12,944	14.07%	222	249	12.16%
19-1013	Soil and plant scientists	12,537	13,615	8.60%	215	231	7.44%
19-1021	Biochemists and biophysicists	24,409	31,040	27.17%	90	105	16.67%
19-1022	Microbiologists	16,572	17,842	7.66%	555	571	2.88%
19-1023	Zoologists and wildlife biologists	17,808	18,765	5.37%	330	350	6.06%
19-1029	Biological scientists, all other	31,093	34,233	10.10%	767	813	6.00%
19-1041	Epidemiologists	4,679	5,219	11.54%	87	103	18.39%
19-1042	Medical scientists	109,564	141,616	29.25%	644	847	31.52%
19-2031	Chemists	77,838	78,334	0.64%	1,317	1,320	0.23%
19-4011	Agricultural and food sci. techs	19,570	20,815	6.36%	431	465	7.89%
19-4021	Biological technicians	76,835	84,980	10.60%	2,028	2,270	11.93%
19-4031	Chemical technicians	62,171	62,494	0.52%	1,389	1,439	3.60%
29-1051	Pharmacists	269,552	307,475	14.07%	8,173	9,432	15.40%
29-2011	Med and clinical lab technologists	169,072	180,637	6.84%	5,703	6,340	11.17%
29-2012	Medical and clinical lab techs	156,033	171,828	10.12%	6,415	7,391	15.21%
29-2033	Nuclear medicine techs	22,092	24,431	10.59%	542	633	16.79%
51-9081	Dental laboratory techs	40,156	40,860	1.75%	1,084	1,126	3.87%
51-9082	Medical appliance techs	13,501	13,756	1.89%	210	211	0.48%
51-9083	Ophthalmic laboratory techs	30,958	33,737	8.98%	1,074	1,175	9.40%
Total		1,185,244	1,323,112	11.63%	31,510	35,418	12.40%

Source: EMSI 2012 Occupational Data, 2011.4

Georgia's bioscience workforce is highly-qualified and competitively-compensated.

Qualified, Competitively-Compensated Workers

Wages in Georgia's bioscience sector are competitive with average wages paid for similar occupations across the U.S. World-renowned research facilities at Georgia's colleges and universities, coupled with life sciences powerhouse, the Centers for Disease Control and Prevention, draws the best students, researchers and scientists from around the world.

Average Annual Wage Rates for Selected Bioscience-Related Occupations

SOC Code	Description	United States	Georgia
17-2031	Biomedical engineers	\$80,968	\$64,750
19-1022	Microbiologists	\$70,604	\$87,312
19-1023	Zoologists and wildlife biologists	\$59,507	\$49,388
19-1029	Biological scientists, all other	\$68,095	\$69,707
19-1041	Epidemiologists	\$63,709	\$57,038
19-1042	Medical scientists, except epidemiologists	\$83,130	\$69,829
19-2031	Chemists	\$71,339	\$72,032
	Total	\$66,280	\$59,956

Source: EMSI 2012 Occupational Data, 2011.4



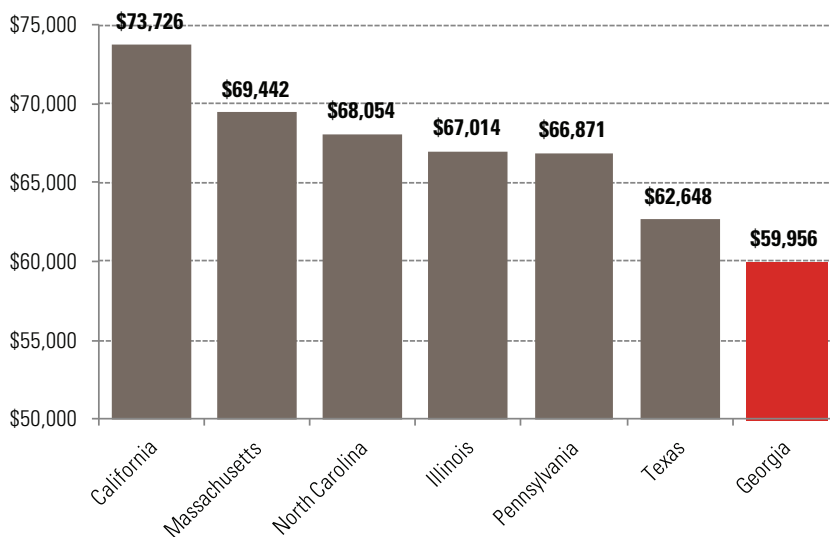
Eric Hunter, GA Eminent Scholar, Retroviral Molecular Biology, Emory University

The bioscience industry is important to Georgia's economy.

- The average bioscience occupational wage rate is higher than the state average: \$59,956 compared to \$42,044 (4th Q 2011).
- The bioscience life science industry contributes \$7.5 billion to the state's gross product.
- The industry pays wages in excess of \$4 billion annually.
- The industry contributes nearly \$500 million in tax revenues for state and local governments.
- The industry's total employment impact, including direct and indirect jobs, totals more than 75,000.

Source: EMSI 2012 Occupational Data, 2011.4 and "The Georgia Life Sciences Industry, 2011", Shaping Infinity

Average Annual Bioscience-Related Wage Rates, Georgia Compared to Other States



Source: EMSI 2012 Occupational Data, 2011.4, weighted average of annual wage for occupations listed in the table to the left

Major University Bioscience Research Institutes

- Bioenergy Service Center (UGA)
- Cancer Research Program (MSM)
- Cardiovascular Research Institute (MSM)
- Center for Advanced Biomedical Prototyping (Mercer University)
- Center for Behavioral Neuroscience
- Center for Biotechnology and Drug Design (GSU)
- Center for Cancer Research and Therapeutic Development (CAU)
- Center for Excellence on Health Disparities (MSM)
- Center for Transitional Studies in Alzheimer's, Parkinson's and Neurodegenerative Disease (Mercer University)
- Center for Tropical and Emerging Global Diseases (UGA)
- Complex Carbohydrate Research Center (UGA)
- Discovery Institutes on Brain and Behavior, Cardiovascular Disease, Diabetes and Obesity, Immunotherapy, Vision and Education (MCG)
- Emory Center for AIDS Research
- Emory Transplant Center
- Emory Vaccine Center
- Emory-Georgia Tech Center of Cancer Nanotechnology Excellence
- Institute of Bioinformatics (UGA)
- Nanotechnology Research Center (NRC) (Georgia Tech)
- NASA Space Medicine and Life Sciences Research Center (MSM)
- National B Virus Resource Center (GSU)
- Parker H. Petit Science Center (GSU)
- Petit Institute for Bioengineering & Bioscience
- Research Center for Science and Technology (CAU)
- Viral Immunology Center (GSU)
- Wallace H. Coulter Department of Biomedical Engineering (Georgia Tech and Emory)
- Winship Cancer Institute (Emory)
- Yerkes Primate Research Center (Emory)

Metro Atlanta is a top five U.S. research center.

Research and Commercialization

Research Centers

Georgia offers strong company support for full product life cycle, from R&D to market. Georgia's research centers are among the nation's most renowned institutions. The **Center for Behavioral Neuroscience**, a National Science Foundation (NSF) Science and Technology Center, is comprised of more than 150 neuroscientists and includes academic institutions and community partner organizations. The **Winship Cancer Institute** of Emory University was recently designated a National Cancer Institute. **Georgia Tech's**

Nanotechnology Research Center is a member of the National Technology Infrastructure Network, supported by the NSF.

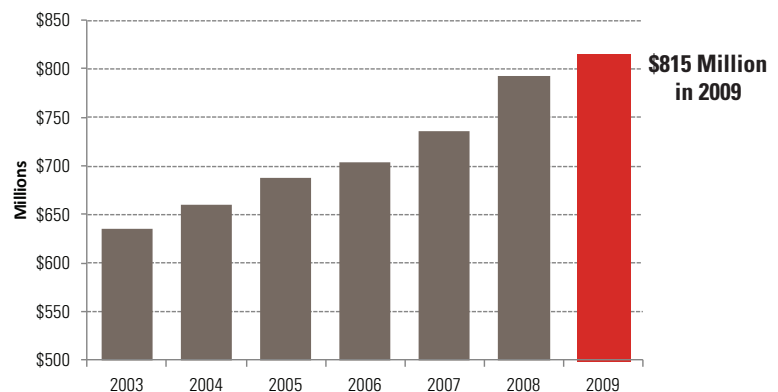
Top Metro Centers of R&D

Rank	Metro Area	Research Expenditures (\$ B)
1	Boston	\$2.02
2	New York	\$1.42
3	Baltimore	\$1.13
4	Los Angeles	\$1.09
5	Atlanta	\$1.01

Source: ARCHE, "Higher Education in America's Metro Areas," 2008

R&D Expenditures Grew 28.3 Percent from 2003 to 2009 (latest available data)

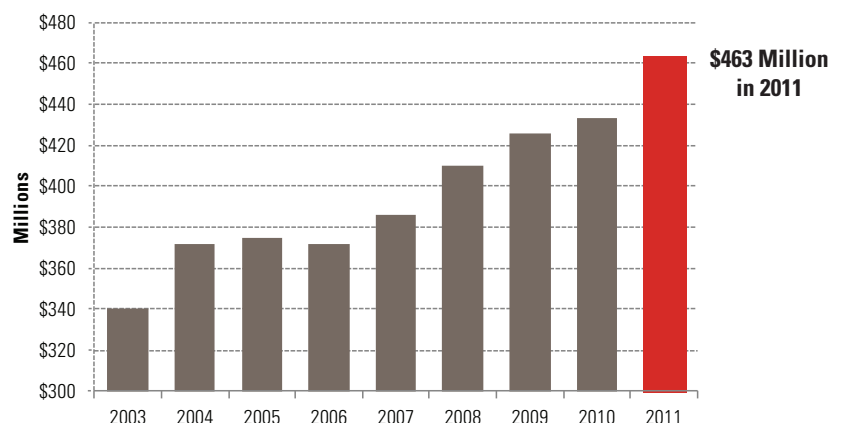
Life Sciences R&D Expenditures at Georgia Universities and Colleges



Source: Survey of Research and Development Expenditures at Universities and Colleges, National Science Foundation (NSF)/ Division of Science Resources Statistics

Awards Increased 36.1 Percent from 2003 to 2011

National Institutes of Health (NIH) Grants Awarded to Private and Public Sectors in Georgia



Source: NIH Extramural Awards by State and Foreign Site, National Institutes of Health

Research and Commercialization

Additional Organizations, Networks and Research Centers

Georgia's research organizations foster innovation and provide valuable resources to the state's bioscience companies. Atlanta is home to the **U.S. Centers for Disease Control & Prevention (CDC)**, which is the forefront of prevention of disease worldwide. The CDC employs nearly 8,300 of the nation's top scientists and support staff statewide.

Also headquartered in Atlanta, the **American Cancer Society** is on the forefront of research and education in cancer prevention, detection and treatment programs.

Adjacent to the CDC, integrated into the Emory University campus, **Yerkes National Primate Research Center** is one of only eight national primate research centers appointed by the National Institutes of Health and is an international leader in biomedical and behavioral research.

The **Arthritis Foundation** is another major organization headquartered in Georgia. The Arthritis Foundation is the largest private nonprofit supporter of arthritis research in the world, with approximately \$400 million contributed to research since 1948.

The **Georgia Research Alliance (GRA)** is a partnership between Georgia's research universities, the business community, and state government. The mission of GRA is to create science and technology-driven economic development and to stimulate growth in the state. In fact, the state of Georgia has invested \$525 million through the GRA since its inception. These investments have played a major role in bringing an additional \$2.6 billion in federal and private funding, a return of \$5 for every \$1 invested (Source: GRA Website).

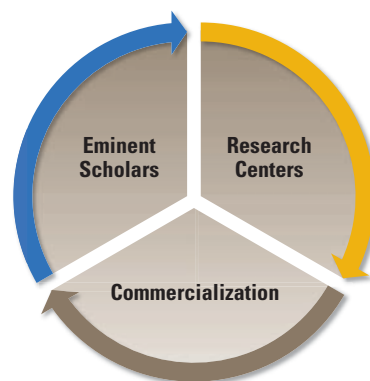
GRA's world-renowned Eminent Scholars, mentioned previously, also help attract funding and lead extraordinary programs of research and development (see listing of Georgia's Eminent Scholars on page 8).

Georgia Bio is a member-based organization that promotes the interests of the life sciences industry. Georgia Bio is also an affiliate of the Biotechnology Industry Organization (BIO), exposing members to national and international networks.

Georgia Tech's **Global Center for Medical Innovations (GCMI)** uses internal and external resources to bring cutting-edge medical device ideas to the market. The center furnishes a variety of services designed to promote commercialization including design, engineering, product development, prototyping and market research. GCMI's dedicated facility, including clean room, opened on April 18, 2012.

Georgia Health Sciences University (formerly Medical College of Georgia) sponsors six institutes that foster transitional collaboration between research scientists and clinicians. Additionally, the university sponsors 25 research centers, institutes and clinical centers conducting research on a wide range of health issues including Alzheimer's, cancer, molecular medicine, telehealth, neuroscience, vision, occupational therapy and vascular biology, among others.

GRA Programs Help Georgia Companies Grow



Major Organizations and Networks in Georgia

- Advanced Technology Development Center (ATDC)
- AIDS Research Consortium of Atlanta (ARCA)
- American Cancer Society
- American Red Cross
- American Sudden Infant Death Syndrome (SIDS) Institute
- Atlanta Bioscience Council
- Atlanta Research Education Foundation
- Arthritis Foundation
- CARE
- Centers for Disease Control & Prevention
- Georgia Bio
- Georgia Health Sciences University
- Georgia Research Alliance (GRA)
- Global Center for Medical Innovations
- Intellectual Capital Partnership Program (ICAPP)
- Ovarian Cancer Institute
- The Atlanta Research Center
- The Carter Center
- Vaccine Dinner Club (Emory University)

Incubators Accelerate Growth

Georgia bioscience incubators provide more than 50,000 square feet of space for life science and bio-related start-ups.



Dr. Allan D. Kirk, GA Eminent Scholar, Transplant Immunology, Emory University

Georgia's Eminent Scholars lead ground-breaking research projects at the state's world-class research universities.

Georgia's Eminent Scholars

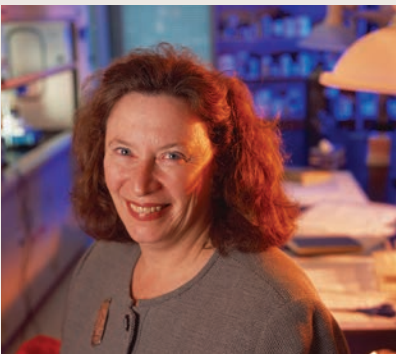
Sorted by Scholar's Last Name

Scientist	Area of Focus	University
Rafi Ahmed	Vaccine Development	Emory University
Clifton A. Baile	Agricultural Biotechnology	University of Georgia
Jeffrey Bennetzen	Molecular Biology and Functional Genomics	University of Georgia
Barbara D. Boyan	Tissue Engineering	Georgia Institute of Technology
Jean-Luc Bredas	Molecular Design	Georgia Institute of Technology
Xiaodong Cheng	Structural Biology	Emory University
Max D. Cooper	Immunology	Emory University
Stephen Dalton	Molecular Cell Biology	University of Georgia
Roberto Docampo	Tropical and Emerging Global Diseases and Cell Bio	University of Georgia
William S. Dynan	Molecular Biology	Georgia Health Sciences University
Don P. Giddens	Biomedical Engineering	Georgia Institute of Technology
Stephen C. Harvey	Computational Structural Biology	Georgia Institute of Technology
Julia Hilliard	Molecular Biotechnology	Georgia State University
Xiaoping Hu	Biomedical Imaging	Emory University
Eric Hunter	Retroviral Molecular Biology	Emory University
Scott A. Jackson	Plant Genetics and Functional Genomics	University of Georgia
Shafiq A. Khan	Cellular Biology of Cancer	Clark Atlanta University
Allan D. Kirk	Transplant Immunology	Emory University
Ami Klin	Autism and Related Disorders	Emory University
William J. Koros	Membrane Science and Technology	Georgia Institute of Technology
Michael J. Kuhar	Neuropharmacology	Emory University
Brian Leyland - Jones	Cancer Therapies	Emory University
Jian-Dong Li	Inflammation and Immunity	Georgia State University
Robert J. Maier	Microbial Physiology	University of Georgia
Lin Mei	Neuroscience	Georgia Health Sciences University
Andrew L. Mellor	Molecular Immunogenetics	Georgia Health Sciences University
Vasu Nair	Drug Discovery	University of Georgia
James H. Prestegard	NMR Spectroscopy	University of Georgia
Joel Saltz	Biomedical Informatics	Emory University
Jin-Xiong She	Biotechnology and Genomic Medicine	Georgia Health Sciences University
Guido Silvestri	Comparative Pathology	Emory University
Jeffrey Skolnick	Computational Systems Biology	Georgia Institute of Technology
Samuel H. Speck	Molecular Pathogenesis	Emory University
Steven L. Stice	Animal Reproductive Physiology	University of Georgia
Ralph A. Tripp	Vaccine & Therapeutic Development	University of Georgia
Chung-Jui Tsai	Forest Biotechnology	University of Georgia
Joe Z. Tsien	Cognitive and Systems Neurobiology	Georgia Health Sciences University
Eberhard O. Voit	Systems Biology	Georgia Institute of Technology
Binghe Wang	Drug Discovery and New Diagnostics	Georgia State University
Bi-Cheng Wang	Structural Biology	University of Georgia
Peng George Wang	Chemical Glycobiology	Georgia State University
Younan Xia	Nanomedicine	Georgia Institute of Technology
Ying Xu	Bioinformatics	University of Georgia
Robert K. Yu	Molecular and Cellular Neurobiology	Georgia Health Sciences University



Dr. Rafi Ahmed GA Eminent Scholar, Vaccine Development, Emory University

As a basic immunologist, EVC Director Dr. Rafi Ahmed studies immunological memory – the ability of the immune system to “remember” a particular antigen and respond accordingly. Dr. Ahmed and his colleagues have made significant discoveries about how immune memory cells are created and how long they survive; understanding these mechanisms is crucial to the development of vaccines for HIV and other infectious agents.

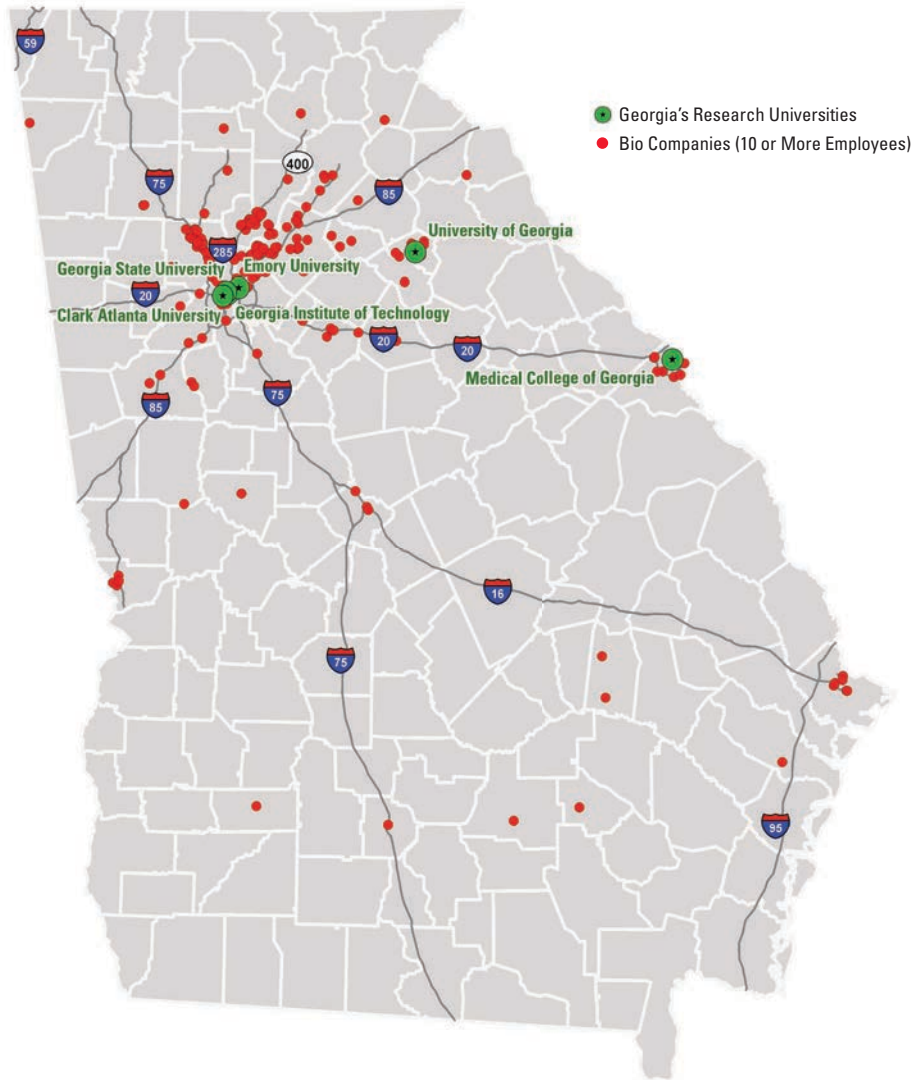


Dr. Barbara Boyan, GA Eminent Scholar, Tissue Engineering, Georgia Institute of Technology

Dr. Boyan’s research revolves around bone and cartilage cell biology, tissue engineering of musculoskeletal tissues, steroid hormone action and biological mineralization. Dr. Boyan is the Price Gilbert, Jr. Chair in Tissue Engineering and the Associate Dean for Research, College of Engineering at the Georgia Institute of Technology.

Georgia public and private research universities are world-renowned and are on the cutting edge of bioscience innovation.

Georgia's Research Universities

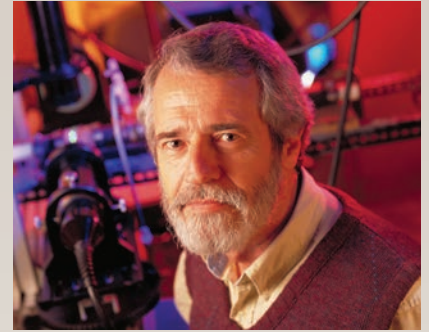


Research & Development Expenditures at Georgia's Research Universities

School	R&D Expenditures in 2009 (thousands)
Georgia Institute of Technology	\$561,631
Emory University	\$449,419
University of Georgia	\$349,730
Georgia Health Sciences University (Medical College of Georgia)	\$65,473
Georgia State University	\$60,557
Clark-Atlanta University	\$7,861

Source: National Science Foundation, 2009 Data

Why Eminent Scholars Choose Georgia:



Dr. Don P. Giddens, Biomedical Engineering, Georgia Institute of Technology

"Biomedical engineering requires close interactions between engineering and medicine, and the chance to be involved with initiating a new joint Department of Biomedical Engineering that is within both Georgia Tech and the Emory School of Medicine was a once-in-a-lifetime opportunity ... The strong support within the State for such an interdisciplinary effort is exceptional."



Dr. Binghe Wang, Drug Discovery and New Diagnostics, Georgia State University

"The far-reaching vision of the political, academic, scientific, and business leaders in Georgia in establishing the Georgia Research Alliance is a major driving force in the development of Georgia's higher education infrastructure. This is also one of the reasons that I decided to come to Georgia State University. Another reason is the academic environment at Georgia State University, which encourages interdisciplinary activities and collaborations."

Source: Georgia Research Alliance website

Atlanta is highly connected to domestic and international markets, offering more combined nonstop flights than any of the nation's other top airports.

Excellent Accessibility and Infrastructure



Georgia's accessibility to major domestic and international markets is one of the key reasons so many corporations call the region home. Atlanta's Hartsfield-Jackson International Airport offers unsurpassed nonstop access to 148 domestic and 65 international destinations. The airport is also the most traveled in the world.

Georgia also offers excellent infrastructure. Georgia's highway system provides superior access to major markets on the eastern coast of the United States and allows quick delivery via Atlanta-based

UPS and other competing transportation companies of next-day bioscience products.

Land availability and availability of bioscience facility space, including incubator space, are plentiful in Georgia. For more information on Georgia's prime bioscience sites, visit Georgia Power's Community & Economic Development website at www.SelectGeorgia.com.

Atlanta Offers Unsurpassed Access to Domestic and International Destinations

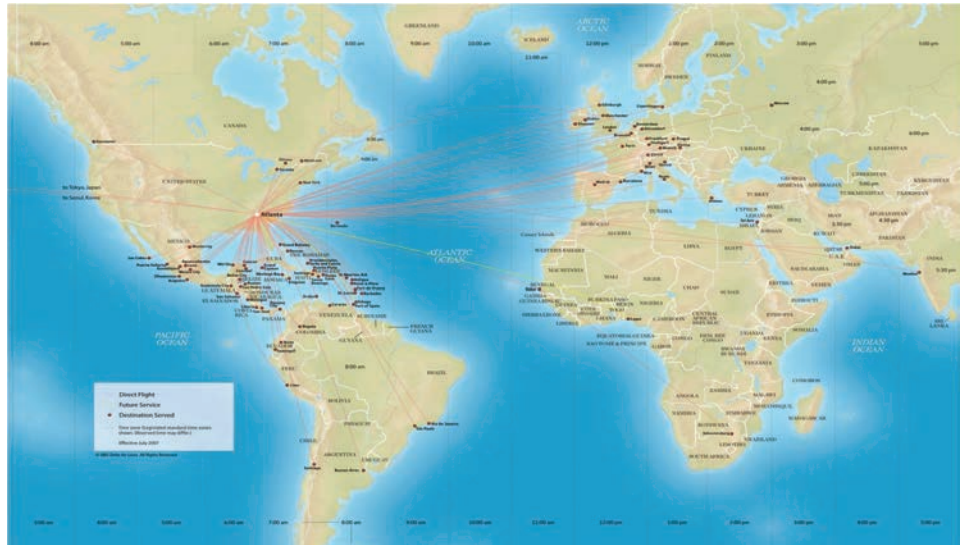
Airport	Intl Non-Stop Markets Served	Domestic & Intl Non-Stop Markets Served
1 New York (JFK)	93	152
2 Miami (MIA)	77	129
3 New York Newark (EWR)	75	157
4 Atlanta (ATL)	65	213
5 Houston Intercontinental (IAH)	64	170
6 Los Angeles (LAX)	56	137

Source: October 2011 SH&E/OAG Schedule

"We have a great logistical support with the proximity of Hartsfield-Jackson International Airport. Our products are shipped with liquid nitrogen to keep them at the proper temperature, so that's very important to us. Also there are quite a few universities here, and they help us with research and development and make the area attractive to the employees we recruit."

Steven G. Anderson, CryoLife, Company Founder, President and CEO

CryoLife: A Pioneer in Providing Tissue for Reconstructive Cardiac and Vascular Surgeries
Georgia Life Sciences Magazine, 05/09



Source: Delta Air Lines

Georgia's moderate cost of business and supporting business climate enable bioscience companies to thrive.

Favorable Business Climate

Georgia has a long history of being a business-friendly state and its tax structure helps make the state one of the most cost competitive in the country. In Georgia, corporate income tax is based only on sales within the state.

Sales tax is a reasonable 6 – 8 percent in the Atlanta area. Incentives may be available for manufacturing and material handling equipment, as well as credits for R&D and new jobs.

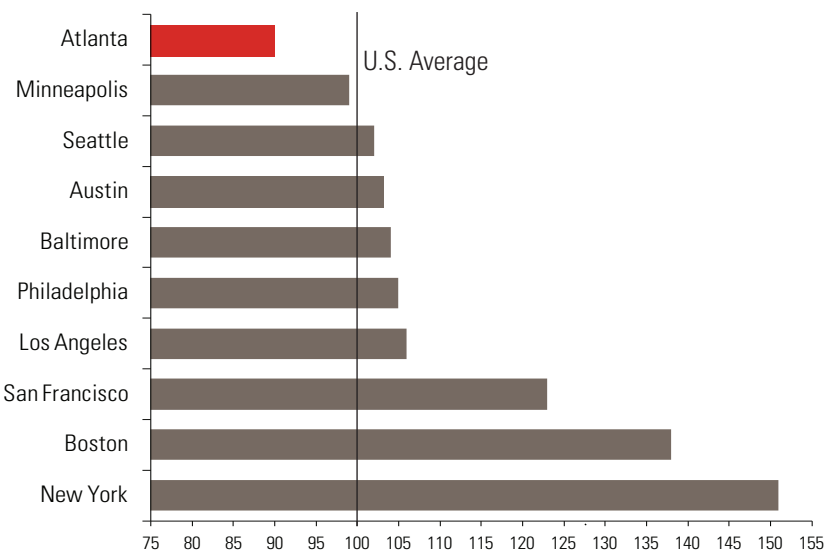
Property taxes are favorable, with effective rates ranging from \$8 - \$17 per \$100 of fair market value across the market. Larger bioscience projects may be able to negotiate property tax relief for land, building and equipment.

Lower Costs Draw Companies

The cost of living and cost of business are favorable in metro Atlanta, generally falling well below the U.S. average, which is unusual for such a large metropolitan area.

Atlanta's Cost of Doing Business is Lower

Cost of Doing Business Index



Source: Moody's Economy.com April 2011

Georgia's Statutory Incentives Applicable to the Biosciences Industry

- Job Tax Credits
- Quality Jobs Tax Credits
- Research and Development Tax Credits
- Investment Tax Credits
- Sales and Use Tax Exemptions on manufacturing equipment, energy used in manufacturing, packaging and warehousing equipment and raw materials used in manufacturing
- Property tax exemptions on varying classes of inventories depending on location

For additional information about these and other business incentives, visit www.georgiapower.com/select/publications/Incentives_Georgia.pdf

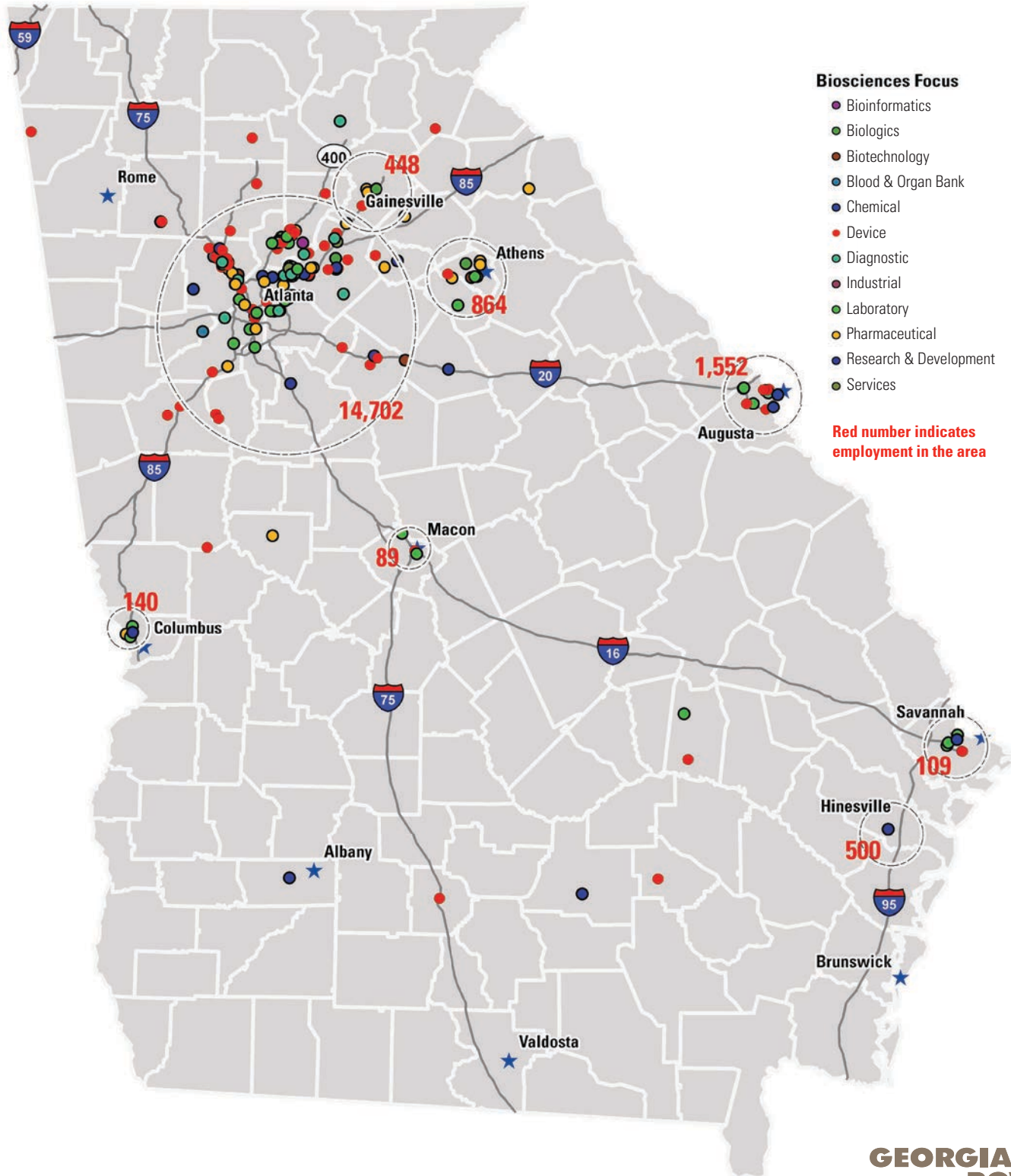
CNBC "America's Top States for Business 2011" Overall Ranking

1. Virginia
2. Texas
3. North Carolina
- 4. GEORGIA**
5. Colorado

Source: CNBC, June 28, 2011



Georgia's Bioscience Industry by Area of Specialty (10 or more employees)



This information is provided "as is" without warranty of any kind, either expressed or implied. Sources for map and list: Shaping Infinity, University of Georgia, Selig Center; Business Wise; Bioscience Database, Georgia Power Community & Economic Development

Georgia's Bioscience Industry by Area of Specialty

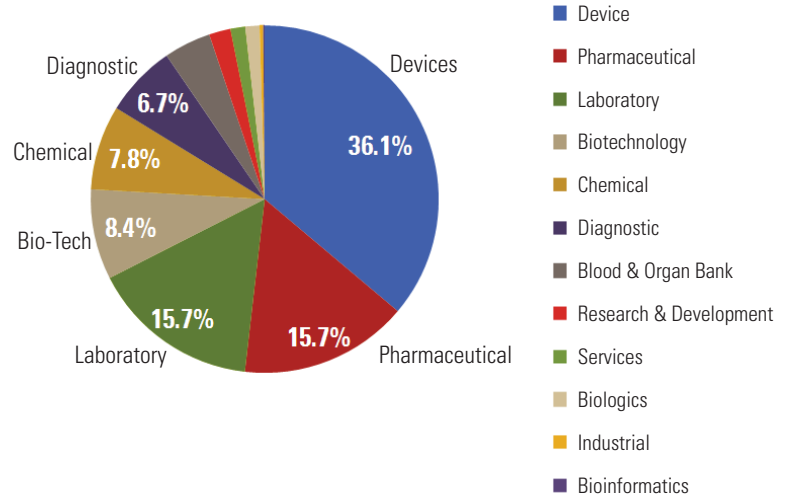
Summary of Bioscience Specialty Areas in Georgia

(based on Georgia Power's Database of Bioscience Companies in the state)

Area	# of Locations	Employment
Device	202	7,189
Pharmaceutical	52	3,126
Laboratory	153	3,123
Biotechnology	11	1,669
Chemical	17	1,560
Diagnostic	23	1,334
Blood & Organ Bank	3	870
Research & Development	48	401
Services	11	273
Biologics	11	264
Industrial	2	65
Bioinformatics	2	28
Totals	536	19,902

Summary of Bioscience Specialty Areas in Georgia, Percent of Employment

(based on Georgia Power's Database of Bioscience Companies in the state)



About Georgia's Bioscience Companies:

The entrepreneurial nature of Georgia's biosciences industry is reflected in the number of startups and small businesses thriving in the state. Of the 433 bioscience-related companies in Georgia, 240 have fewer than 10 employees, while only 40 have 100 or more employees. Startup companies in Georgia trigger innovation. Many are recognized as being on the leading-edge of biomedical and bioscience breakthroughs.

"Axion BioSystems raises \$2.1M from investors"

"Atlanta-based biotech Axion BioSystems Inc. has raised \$2.1 million – part of a \$2.5 million planned round, according to a regulatory filing. The VentureLab* graduate is commercializing technology that will allow scientists to interact directly with electroactive tissue, such as the kind found in the brain and heart."

Atlanta Business Chronicle, August 9, 2010

Axion Biosystems is located in the ATDC Biosciences center, a technology business incubator in the heart of Georgia Tech's Biomedical engineering complex in Atlanta, GA, 20 employees

"ICON Interventional Systems Receives CE Mark for the Nuloy® Coronary Stent System"

"Medical device company ICON Interventional Systems®, Inc. today announced it has received the CE Mark for the Nuloy Coronary Stent System, a next generation coronary stent made from a proprietary Molybdenum and Rhenium (MoRe®) alloy."

Atlanta Business Chronicle, March 8, 2012

ICON Interventional Systems® is an emerging medical device company developing next generation cardiovascular solutions for patients and doctors around the world, 14 employees.

Atlanta #2 for Entrepreneurial Activity

MSA	Entrepreneurs Per 100,000 People
1 Los Angeles	580
2 Atlanta	500
3 Phoenix	500
4 Miami	470
5 San Bernardino	430
6 New York	420
7 Houston	400
8 Dallas	370
9 San Francisco	370
10 Seattle	290

Source: Kauffman Foundation Index for Entrepreneurial Activity, 2012

*VentureLab is a comprehensive center for technology commercialization and is one of Georgia's most productive business incubators.

Listing of Bioscience Companies in Georgia, 10 or More Employees

(based on Georgia Power's Database of Bioscience Companies in the state)

Company	Jobs	# Locations	Metro Area	Description of Products or Services
BIOINFORMATICS				
SoloHealth Inc	25	1	Atlanta	Manufactures self-service vision testing kiosks
BIOLOGICS				
Athens Research & Technology Inc	20	1	Athens	Manufactures human proteins and the preparation of polyclonal antisera to those proteins
Atlanta Biologicals Inc	15	1	Atlanta	Manufactures cell culture products for the academic, industrial, and government research and development sectors
Merial Select Inc	200	1	Gainesville	Manufactures pharmaceutical products and vaccines for livestock, pets and wildlife
BIOTECHNOLOGY				
Aderans Research Institute	55	1	Atlanta	Cell engineering solutions for hair loss
Baxter International (announced)	1,500	1	Atlanta	Plasma-based treatments for patients with immune deficiencies and other ailments
BioCure Inc	15	1	Atlanta	Provides products in the medical device and biotechnology markets
GeneCure Biotechnologies LLC	10	1	Atlanta	Biotechnology company focused on using gene transfer technology to develop treatments for life-threatening human diseases, including genetic diseases, infectious diseases, and cancers
GeoVax Inc	12	1	Atlanta	Develops human vaccines for diseases caused by HIV-1 (Human Immunodeficiency Virus - AIDS) and other infectious agents
NorDiag	10	1	Atlanta	Develops, manufactures and markets affordable instrumentation and reagents for the clinical and life sciences markets that automate the process of nucleic acid extraction and cell separation from specimens
Synageva BioPharma Corp	40	1	Athens	Protein-based drugs for oncology, infectious diseases and autoimmune diseases
BLOOD & ORGAN BANK				
ADMA Biologics	10	1	Atlanta	Collection of human plasma used to make special medications for the treatment and prevention of diseases
American Red Cross/SE Blood Services	500	1	Atlanta	Blood Bank
CryoLife Inc	360	1	Atlanta	Develops implantable biological devices, surgical adhesives, and biomaterials for use in cardiac, vascular, and spinal reconstruction
CHEMICAL				
Ajay North America LLC	35	1	Atlanta	Manufactures iodine compounds
Contract Packaging Inc	30	1	Atlanta	Specializes in formulation, packaging, quality control, state regulatory services and carbaryl and fipronil supply contracts
DSM Chemicals North America Inc	469	1	Augusta	Develops and produces vitamins and ingredients for feed, food, and cosmetic industries; also produces pharmaceutical active ingredients and anti-infectives
Equinox Chemicals LLC	32	1	Albany	Custom organic synthesis and toll manufacturing
Natrochem Inc	20	1	Savannah	Manufactures dry liquid concentrates, liquid pine tars, resins tall oil blends, and gum blends
Optima Chemical Group LLC	85	1	Non Metro	Custom contract/toll manufacturer of specialty organic chemicals
Resource Innovations Inc	17	1	Atlanta	Specialty chemicals
Seachem Labs Inc	40	1	Non Metro	Pet care products including buffers, conditioners, filtration media, medications, and test kits
SNF Inc	500	1	Hinesville	Manufactures water-soluble polymers
The Nutrasweet Co	300	1	Augusta	Food, beverage, and/or tabletop sweetener

Company	Jobs	# Locations	Metro Area	Description of Products or Services
DEVICE				
Advance Medical Designs Inc	50	1	Atlanta	Manufactures disposable infection control products used in hospital operation rooms and ambulatory surgery centers
Aire-O-Lite Optical Inc	10	1	Non Metro	Provides semi-finished plastic lenses
Amendia Inc	20	1	Atlanta	Manufactures and distributes custom medical devices
American Breast Care LP	25	1	Atlanta	Manufactures and wholesales post-mastectomy bras, breast forms and accessories
Amoena US	40	1	Atlanta	Medical devices for breast cancer survivors
Analytical Development Inc	10	1	Atlanta	Designs, develops and manufactures instrumentation for the microbiology and medical diagnostic markets
AngioDynamics Inc	130	1	Atlanta	Develops, manufactures and markets innovative products for cancer patients including radiofrequency ablation (RFA) systems for treating cancerous tumors as well as percutaneous vascular and spinal access systems
Aqua Solutions Inc	13	1	Atlanta	Lab water purification systems that deliver reagent grade water for laboratory applications
Atlanta Prosthetics & Orthotics Inc	22	2	Atlanta	Prosthetic and orthotic products for lower and upper extremities
Augusta Medical Systems LLC	60	1	Augusta	Manufacturer of medical treatment equipment
Bard Medical Division	410	1	Atlanta	Develops urological catheter systems
C.R. Bard Inc	196	1	Atlanta	Focuses on disease state management in three key areas: vascular, urology, and oncology
Can-Am Care LLC	20	1	Atlanta	Produces and distributes products for people with diabetes and solutions for mobility assistance and homecare
CardioMEMS Inc	51	1	Atlanta	Medical device company that commercializes proprietary wireless sensing and communication technology for the human body
CareFusion	40	1	Atlanta	Produces medical devices used for medication and supply management, infusion, ventilation, interventional procedures
Carticept Medical Inc	20	1	Atlanta	Medical device company that develops computer-controlled products for patients with osteoarthritis or cartilage damage
Cellutions Inc	15	1	Atlanta	Cell lines enzymes, and molecular biology reagents for use in academic and commercial research programs
CeloNova BioSciences	20	1	Atlanta	Produces biocompatible polymer coating products that are used to coat metallic, ceramic, and polymer substrates; also produces microspheres for the treatment of benign and malignant tumors
CH Martin Co	45	6	Atlanta	Custom fabricated orthotic and prosthetic devices including compression garments, fracture orthoses, hand splints
CH Martin Co	11	1	Macon	Custom fabricated orthotic and prosthetic devices including compression garments, fracture orthoses, hand splints
Chart Industries Inc	65	1	Atlanta	Manufactures equipment used throughout the liquid gas supply chain for a wide variety of cryogenic and heat-transfer applications
CIBA Vision (Alcon Laboratories)	1330	2	Atlanta	Researches, develops and manufactures contact lenses and lens care products
Covidien	550	1	Augusta	Manufactures medical devices and supplies, diagnostic imaging agents and pharmaceuticals
Crosslink Orthopaedics LLC	35	1	Atlanta	Orthopedic devices and other devices used to the orthopedic field
Dornier MedTech America	50	1	Atlanta	Manufactures, markets and services lithotripters, orthopedic shock wave devices, urotables and medical aesthetic lasers worldwide, providing innovative therapeutic, diagnostic and service solutions for numerous healthcare fields
Elekta Inc	145	1	Atlanta	Develops tools and treatment planning systems for radiation therapy and radiosurgery, as well as workflow enhancing software systems across the spectrum of cancer care
ERBE USA Inc	30	1	Atlanta	Distributes electrosurgical generators, argon plasma coagulation units, a water-jet dissection devices, cryosurgery units, and irrigation/lavage pumps to medical professionals in gastrointestinal suites and operating rooms
Ethicon Inc	500	1	Non Metro	Manufactures surgical sutures (stitches)

Company	Jobs	# Locations	Metro Area	Description of Products or Services
DEVICE – cont.				
Facet Technologies LLC	45	1	Atlanta	Manufacturing outsource services company providing design, development and manufacturing services to the medical device marketplace specializing in hand-held devices, including reusable and disposable components
Femasys Inc	18	1	Atlanta	Medical devices for women’s healthcare
Gerresheimer Wilden	85	1	Atlanta	Tubular glass and molded glass used to produce medicine vials and pharmaceutical bottles, plastic packaging, medical plastic systems
Given Imaging Inc	75	1	Atlanta	Develops, produces and markets products for detecting gastrointestinal disorders including capsule endoscopy
Global Resources International Inc	18	1	Gainesville	Design, development, manufacture, marketing and distribution of products for healthcare and industrial markets
Guided Therapeutics Inc	35	1	Atlanta	Light detection technology used in identifying cervical cancer
Hanger Prosthetics & Orthotics	40	12	Atlanta	Provider of prosthetics and orthotics devices for amputees and individuals with musculoskeletal disabilities and injuries
Hanger Prosthetics & Orthotics	10	1	Augusta	Provider of prosthetics and orthotics devices for amputees and individuals with musculoskeletal disabilities and injuries
Hanger Prosthetics & Orthotics	10	1	Savannah	Provider of prosthetics and orthotics devices for amputees and individuals with musculoskeletal disabilities and injuries
HTL-STREFA Inc	12	1	Atlanta	Manufacturer of safety and personal lancets as well as needles
ICON Interventional Systems®	14	1	Atlanta	Developmental stage medical devices
Imperial Medical Technologies Inc	15	1	Atlanta	Manufactures ophthalmic goods
Kimberly-Clark Health Care	40	1	Atlanta	Develops endotracheal tubes, long-term digestive health solutions, pain management solutions; designs infection prevention products for hospitals and healthcare systems
L&E Manufacturing Inc	60	1	Non Metro	Medical devices
Limbcare Prosthetics & Orthotics	10	2	Non Metro	Prosthetic and orthotic devices
Limbcare Prosthetics & Orthotics	12	2	Albany	Prosthetic and orthotic devices
Medical Technology of Georgia	65	1	Atlanta	Manufacturer of intermittent catheters
MedShape Solutions Inc	20	1	Atlanta	Shape memory orthopedic devices
Med-Tech of Georgia	17	1	Non Metro	Orthopedic medical equipment, orthopedic rehab equipment, orthopedic surgery equipment
Medtronic Inc	40	1	Atlanta	Medical devices for cardiac rhythm disease management, spinal and biologics, cardiovascular, neuromodulation, diabetes
MICROCOPY Inc	20	1	Atlanta	Provides instruments to dental industry
Micromeritics Instrument Corp	175	1	Atlanta	Manufacturer of particle-size analyzers, surface area analyzers, pore volume analyzers and density analyzers; provider of materials test and evaluation services
Midlands Prosthetics & Orthotics	10	1	Augusta	Prosthetic and orthotic devices
Mobile X-Ray Solutions	10	1	Augusta	Portable, rebuilt x-ray machines and x-ray machine parts
Mölnlycke Health Care Inc	50	1	Atlanta	Manufacturers single-use surgical and wound care products.
North American Medical Corp	14	1	Atlanta	Manufactures physiotherapeutic spinal devices for use by hospitals, medical doctors, and multidisciplinary practices in the treatment of back pain resulting from bulging discs, herniated discs or other spinal dysfunction
Omni International Inc	50	1	Atlanta	Produces laboratory scale homogenizers for sample volumes from .05 mL to 10L in open or aerosol containers
On-Line Instrument Systems Inc	19	1	Athens	Serves the biophysical, biochemical, and bioenergetics fields with absorbance, fluorescence, and circular dichroism spectroscopy for sophisticated research and routine measurements
OPTEC Inc	20	1	Atlanta	Orthopedic braces for neck, back, knee, ankle and hip
Opti Medical Systems	143	1	Atlanta	Patient testing market targeting small to medium sized hospitals
Porex Technologies Corp	278	1	Atlanta	Develops, manufactures and distributes proprietary porous plastic components incorporating advanced filtration, venting, diffusing, and capillary technologies and properties

Company	Jobs	# Locations	Metro Area	Description of Products or Services
DEVICE – cont.				
ProCare Prosthetic Care Inc	14	2	Atlanta	Custom-made and custom-fit prosthetic devices
QSpex Technologies Inc	45	1	Atlanta	Manufacturer of contact lens production equipment
Respironics Inc	400	1	Atlanta	Provides solutions for sleep and respiratory markets
Sanuwave Health Inc.	31	1	Atlanta	Electromedical and electrotherapeutic apparatus – corporate office
Savannah Orthotics & Prosthetics Inc	11	1	Savannah	Custom prosthetics and orthotics
ScanTech Holdings LLC	10	1	Atlanta	Electron beam accelerators and X-Ray technologies used in various industries including food, with pathogen elimination, and health, with medical product sterilization and medical waste treatment
Showa Best Glove Inc	200	1	Non Metro	General purpose, chemical resistant, cut resistant, disposable, specialty and high tech gloves
Sigvaris Inc	80	1	Atlanta	Compression therapy products for management of venous and lymphatic disorders
Specialty Appliances Inc	35	1	Atlanta	Full-service orthodontic laboratory
Spinal Solutions	15	1	Atlanta	Orthotic devices
Sterimed Inc	10	1	Atlanta	Manufactures sterile disposable equipment
Steri-Systems Corp	50	1	Atlanta	Manufactures disposable medical products including spouts, pressure dressings, cautery pencils
Stradis Healthcare	50	1	Atlanta	Custom procedure pack company serving the healthcare market with products such as surgical packs, foam, sterile separates
Stryker CMF (Formerly Porex Surgical Inc)	55	1	Atlanta	Manufactures products for craniofacial, neurosurgical, oculoplastic, and aesthetic surgery
Summit Industries Inc	40	1	Atlanta	Manufactures and markets diagnostic radiographic equipment for the clinical market
Technical Products Inc of Georgia USA	10	1	Atlanta	Manufactures silicone implants
Technology Resource International Corp (TRI)	15	1	Atlanta	Specializes in medical ophthalmic optics and electro-optics
Tissue Regeneration Technologies LLC	10	1	Atlanta	Develops, manufactures and sells devices used primarily in urology, orthopedics and in wound care
Volcano Corp	10	1	Atlanta	Develops, manufactures and commercializes devices designed for endovascular procedures, the diagnosis of vascular and structural heart disease
DIAGNOSTIC				
Atlanta Clinical Research Centers LLC	10	1	Atlanta	Conducts clinical research including projects for pharmaceutical and medical device companies
Augusta Laboratory Inc	19	1	Augusta	Medical laboratory
BD Lee Laboratories	30	1	Atlanta	Diagnostic reagents for in vitro testing of infectious diseases; associated custom services including fermentation
ClariPath Laboratories Inc	30	1	Augusta	Anatomic pathology services for a variety of disciplines
Grace Labs LLC	10	1	Atlanta	Manufactures in vitro diagnostic (IVD) test kits for the diagnosis of traumatic brain injury (TBI) and post-traumatic seizures
Immucor Inc	320	1	Atlanta	Specializes in the area of pre-transfusion diagnostics offering automated instrument-reagents systems that detect and identify certain properties of blood before transfusion
Innogenetics Inc	10	1	Atlanta	Develops and markets a range of diagnostic assays with a focus on molecular diagnostics and multiparameter testing
Integrated Lab Systems (ILS)	42	1	Athens	Provides research support and customized solutions in the toxicology, pathology, histology as well as environmental and information science fields
Metamatrix Clinical Laboratory Inc	114	1	Atlanta	Nutritional, metabolic and toxicant testing
National Diagnostics USA Inc	35	1	Atlanta	Manufacturers biotechnology reagents for use in the life sciences market-product lines include: electrophoresis reagents, liquid scintillation cocktails and histology products
Pathology Consultants of Georgia Inc	13	1	Non Metro	Offers anatomic pathology, molecular testing and cytopathology
Quintiles Laboratories Ltd	528	1	Atlanta	Bio and pharmaceutical services provider offering clinical, commercial, consulting and capital solutions

Company	Jobs	# Locations	Metro Area	Description of Products or Services
DIAGNOSTIC – cont.				
Remel Inc	25	1	Atlanta	Manufactures microbiology products including prepared and dehydrated culture media, diagnostic and direct specimen tests, laboratory supplies
Research Think Tank LLC	16	1	Atlanta	Molecular diagnostics, clinical trials and peripheral research studies
WuXi AppTec Inc	100	1	Atlanta	Infectious disease testing with a focus on virology and a commitment to providing testing services of the highest quality
INDUSTRIAL				
Enzymatic Deinking Technologies LLC (EDT)	30	1	Atlanta	Enzyme-based technologies for pulp and paper mills
Genesis Technologies International Inc.	35	1	Atlanta	Custom/toll bacteria fermentation, microbial product formulation and antimicrobial product development
LABORATORY				
Acuren Inspection Inc	18	1	Augusta	Testing services for pharmaceutical and biotech companies
Acuren Inspection Inc	20	1	Savannah	Testing services for pharmaceutical and biotech companies
Advanced Chemistry Labs Inc	20	1	Atlanta	Analytical testing
Antech Diagnostics Inc	40	1	Atlanta	Clinical laboratory testing
Any Lab Test Now Inc	15	9	Atlanta	Medical testing including drugs, wellness, and DNA testing
Atlanta Research Center LLC	10	1	Atlanta	Medical research specializing in drug therapies for osteoporosis
Bako Pathology Services LLC	40	1	Atlanta	Anatomic pathology testing with specialization in dermatopathology, bone pathology, and pathology of the soft tissue
CSI Laboratories (formerly Cytometry Specialists Inc.)	175	1	Atlanta	Cancer diagnostics and pathology
Cytometry Specialist	160	1	Atlanta	Cancer diagnostic laboratory offering flow cytometry, cytogenetic analysis, FISH, IHC, molecular testing, and image analysis
Emory Genetics Laboratory	90	1	Atlanta	Clinical laboratory and prenatal molecular testing
Emory Medical Laboratories	60	1	Atlanta	Standard and esoteric clinical laboratory services
EndoChoice Inc. (formerly Pathworks Labs)	35	1	Atlanta	Medical laboratory
Georgia Occupational Medicine	20	1	Atlanta	Drug testing, DNA paternity testing
Intertek Caleb Brett	10	1	Savannah	Testing laboratory serving various industries including food and agriculture, chemicals
Lab Test MD	13	3	Atlanta	Full range of medical tests and screenings
LabCorp	381	10	Atlanta	Esoteric testing, genomics, clinical and anatomic pathology
LabCorp	18	1	Augusta	Esoteric testing, genomics, clinical and anatomic pathology
LabCorp	80	1	Columbus	Esoteric testing, genomics, clinical and anatomic pathology
LabCorp	18	1	Macon	Esoteric testing, genomics, clinical and anatomic pathology
LabCorp	25	1	Savannah	Esoteric testing, genomics, clinical and anatomic pathology
North Georgia Dermatopathology PC	15	1	Atlanta	Anatomic pathology and specialty clinical testing
PathCon Laboratories	20	1	Atlanta	Laboratory testing microbiology consulting service – environmental microbiology lab
Polaris Allergy Labs Inc	30	1	Atlanta	Diagnostic and treatment lab for patients with allergies, provides services for doctors offices throughout the country
QualTex Laboratories	125	1	Atlanta	Conducts infectious disease testing for blood banks and plasma centers
Quest Diagnostics Inc	1049	18	Atlanta	Lab and healthcare services for individuals and employers
Quest Diagnostics Inc	10	1	Columbus	Lab and healthcare services for individuals and employers
Quest Diagnostics Inc	36	1	Macon	Lab and healthcare services for individuals and employers
Siemens Healthcare Diagnostics USA Inc	170	1	Atlanta	Diagnostic imaging and therapy, laboratory diagnostics, hearing instruments
Solstas Lab Partners	20	1	Atlanta	Full-service clinical, anatomic pathology, toxicology and esoteric testing services
Southeastern Testing Lab	30	1	Athens	Cleaning and dielectric testing to rubber goods
Technical Maintenance Inc	10	1	Atlanta	Full-service traceable calibration laboratory

Company	Jobs	# Locations	Metro Area	Description of Products or Services
LABORATORY – cont.				
Test & Balance Corp	12	1	Atlanta	Testing laboratory
TRS Labs Inc	20	1	Athens	Testing Laboratory
US Teleradiology	20	1	Atlanta	Provides interpretations of radiology exams performed either in the ER or in the hospital
Vidalia Lab Services Inc	15	1	Non Metro	Clinical pathology services
PHARMACEUTICAL				
Abbott Laboratories	75	1	Atlanta	Develops, produces, and markets therapies for cardiovascular, gastroenterological, and neurological disorders; company also makes and markets flu vaccines and products for specialized markets such as women's and men's health
Abeome Corp	11	1	Athens	Develops proprietary technology to discover therapeutic and diagnostic monoclonal antibodies (mAbs)
Alaven Pharmaceutical LLC	70	1	Atlanta	Develops and markets prescription and non-prescription products that treat women's health, gastroenterological and anemia conditions
Alimera Sciences Inc	22	1	Atlanta	Researches, develops and commercializes prescription ophthalmic pharmaceuticals
Arbor Pharmaceutical	10	1	Atlanta	Specialty pharmaceutical company
Animal Health & Sciences Inc	20	1	Non Metro	Manufacturers non-toxic biodegradable chemicals for the animal health industry
Bioniche Animal Health USA Inc	13	1	Athens	Researches, develops and markets vaccines immune stimulants and specialty pharmaceuticals to veterinarians
Cardinal Health Nuclear Pharmacy Svcs	25	1	Atlanta	Compounding and dispensing of radiopharmaceuticals
Cardinal Health Nuclear Pharmacy Svcs	10	1	Columbus	Compounding and dispensing of radiopharmaceuticals
Dendreon Corp	275	1	Atlanta	Manufactures cancer treatment drugs
DSM Nutritional Products Inc	12	1	Non Metro	Creates products and services in life and materials sciences including vitamins and carotenoids used in the feed, food, pharmaceutical and personal care industries
Elan Holdings Inc	170	1	Gainesville	Neuroscience-based biotechnology company that is focused on discovering, developing, manufacturing and marketing advanced therapies in neurology, autoimmune diseases, and severe pain.
Encompass Pharmaceutical Services Inc	20	1	Atlanta	Provides analytical outsourcing and consulting services to pharmaceutical, biotech, and life science companies
Inhibitex Inc	30	1	Atlanta	Biopharmaceutical company that develops products to treat or prevent serious infections
Kiel Laboratories Inc	42	1	Gainesville	Manufactures pharmaceutical preparations
Merial Ltd	425	1	Athens	Manufactures pharmaceutical products and vaccines for livestock, pets and wildlife
Merial Ltd	600	1	Atlanta	Manufactures pharmaceutical products and vaccines for livestock, pets and wildlife
Mikart Inc	160	1	Atlanta	Formulation development, contract manufacturing and packaging services to the pharmaceutical industry
NeuroTrials Research Inc	20	1	Atlanta	Conducts drug research and clinical trials in neurology, sleep disorders, psychiatry and psychology
Noramco Inc	180	1	Athens	Pharmaceutical chemical company that makes the active ingredients to power many products
Pfeiffer Pharmaceuticals Inc	20	1	Atlanta	Manufactures over-the-counter (OTC) medications
Pharma Tech Industries	300	1	Non Metro	Contract manufacturing for pharmaceutical, over-the-counter (OTC), medical device, and personal care products, and onsite analytical testing
Premier Research Inc	50	1	Atlanta	Clinical trial services of the highest quality for biopharmaceutical and medical device companies
RFS Pharma LLC	10	1	Atlanta	Clinical-stage biopharmaceutical company that specializes in antiviral therapies and cancer
RevoGenex Inc	20	1	Atlanta	Specialty pharmaceutical preparations
SSS Co	18	1	Atlanta	Manufactures pharmaceutical preparations including analgesics, diuretics, ophthalmic preparations
Summit Industries Inc	40	1	Atlanta	Manufactures and markets diagnostic radiographic equipment for the clinical market

Company	Jobs	# Locations	Metro Area	Description of Products or Services
PHARMACEUTICAL – cont.				
Theragenics Corp	125	1	Atlanta	Medical device company serving the surgical products and prostate cancer treatment markets
TRS Labs Inc	20	1	Athens	Testing laboratory
UCB Inc	300	1	Atlanta	Biopharmaceutical company focusing in the central nervous system and immunology
Winder Laboratories	10	1	Atlanta	Drug research and development, drug manufacturing
RESEARCH & DEVELOPMENT				
Atlanta Institute of Medicine & Research	10	1	Atlanta	Performs clinical trials
Axion Biosystems	20	1	Atlanta	Neural interfacing technologies applied to research, clinical and drug discovery markets
Celtaxsys	10	1	Atlanta	Discovery and development of therapeutics to treat inflammation by control of innate immunity
Clinical Laboratory Services	65	1	Atlanta	Clinical laboratory testing
Clinical Research Atlanta	14	2	Atlanta	Provides Phase I, II, III, IV and over-the-counter (OTC) clinical research services to the pharmaceutical industry
Gwinnett Bio Research	10	1	Atlanta	Conducts clinical research / trials
Medical Neurogenetics	26	1	Atlanta	Provides molecular and metabolic genetic testing for inherited disorders
MiMedx Group	60	1	Atlanta	Manufacturer and marketer of patent protected biomaterial-based products
Mount Vernon Clinical Research LLC	10	1	Atlanta	Conducts clinical trials to test possible treatments for physical and psychological diseases
Omega Bio-Tek Inc	12	1	Atlanta	Manufactures nucleic acid isolation kits and offers gene synthesis, plasmid DNA preparation services
Southeast Regional Research Group	22	1	Columbus	Multi-specialty clinical research trial management
SERVICES				
Cardinal Health Inc	200	1	Atlanta	Provides pharmacy and medical-surgical services, nuclear pharmacy services, regional HQ
Cardinal Health Inc	15	1	Augusta	Provides pharmacy and medical-surgical services, nuclear pharmacy services
RayBiotech Inc	25	1	Atlanta	Provides proteomics tools for the advancement of basic and clinical research

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Sources for map and list: Shaping Infinity, University of Georgia, Selig Center; Business Wise; Bioscience Database, Georgia Power Community & Economic Development

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CONTACT US

Carol Henderson and Brenda Robbins lead the Georgia team for bioscience projects, offering a full array of products and services at no cost. Services include comprehensive site selection, custom research, demographics, civil engineering and continued care after you locate to Georgia. To receive confidential, proven assistance, please contact one of our experienced professionals:

Site Selection Services:

- Total project management, including coordination of site and community tours
- Coordinate employer interviews
- Use of the Georgia Resource Center, a multimedia, interactive facility
- Online database of all available sites and buildings in Georgia
- Custom city and state comparisons
- Workforce analysis and maps, including labor sheds and drive-times
- Market and supplier analysis
- Industry-specific research and in-depth reports
- Engineering evaluation and site analysis
- Preliminary site plans and designs
- Site optimization earthwork analysis with cost estimates
- Soil and air (non-attainment) analysis
- Floods and wetlands analysis
- Building renderings /virtual 3-D building construction

Carol Henderson



Carol Henderson is director of Health Sciences and Advanced Technologies in the Business Enterprise Division at the Georgia Department of Economic Development (GDEcD).

Ms. Henderson brings more than a decade of experience in economic

development to the table. She has worked with an array of life sciences companies, including Novartis, Merck, Dow, Eli Lilly, Pfizer, Genetech, Solvay, Merial and, most recently, Baxter International.

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Brenda Robbins



Brenda began her career with Southern Company in 1982 in the Information Systems division of Southern Company Services. Joining Georgia Power's statewide projects team in 1996, Brenda

brought a strong background in information technology and human resources. Her extensive expertise and experience in working with the life sciences industry has contributed in the location of more than 13 bioscience companies in Georgia.

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