



Georgia's rich resources in intellectual capital and cutting-edge facilities have helped make the state a global center for excellence in advanced life sciences and biotechnology research.

### GEORGIA'S BIOSCIENCE INDUSTRY RESOURCES

**The Georgia Research Alliance (GRA)** is a partnership of businesses, state government agencies and research universities supporting a technology-driven economy. GRA has invested \$350 million to develop research and technology in Georgia, and also helps the state recruit the world's top scientists through the Eminent Scholars program. The scholars work closely with industry entrepreneurs who use research findings to establish new companies, thus generating continued intellectual capital. [www.gra.org](http://www.gra.org)

**The Georgia Biomedical Partnership (GBP)** represents the interests of companies, universities, research institutions, government groups and other industry associations involved in the discovery and application of life science products that improve the well-being of people worldwide. The GBP conducts business and economic development activities; advocates on behalf of the industry on public policy matters; educates the public about the benefits of life science research and product development; and provides a network for the exchange of ideas, information and opportunities. [www.gabio.org](http://www.gabio.org)

**Georgia's Intellectual Capital Partnership Program (ICAPP)** works with companies to create customized, accelerated curricula at Georgia's 34 public colleges and universities. Economic development leaders from each campus also work with ICAPP staff to match Georgia businesses with college-educated employees as well as the latest research, technology transfer support, and business and operations advice. [www.icapp.org](http://www.icapp.org)



### FINANCIAL RESOURCES

■ Founded in 1999 to help accelerate the formation and growth of bioscience companies in Georgia, the **Biosciences Seed Fund** has seeded the growth of 11 companies, investing approximately \$3.6 million in state funds to attract a total of \$140 million in private equity - a nearly 30-to-1 leverage. [www.georgiavc.com](http://www.georgiavc.com)

■ **The Georgia Life Sciences Facilities Fund** provides loan assistance to assist with the expansion or relocation to Georgia of emerging life science companies. In its pilot implementation, the biopharmaceutical company Inhibitex received \$2.5 million to finance facility improvements. The fund was also instrumental in bringing the new headquarters of Altea Therapeutics to Atlanta in 2006. [www.dca.state.ga.us/economic/financing/programs/lfff.asp](http://www.dca.state.ga.us/economic/financing/programs/lfff.asp)

■ The \$10 million **Strategic Industries Loan Fund** targets industry clusters reliant on Georgia's continuing advancement in technology and innovation. It offers low-interest loans to life sciences, aerospace, agribusiness, energy, transactional processing, logistics, security and transportation companies. [www.onegeorgia.org](http://www.onegeorgia.org)

### COMMUNICATION

■ **The Georgia Statewide Academic and Medical System (GSAMS)** is the world's largest public two-way video network. It ensures interactive communication capability among 60 sites involved in telemedicine. Medical professionals use GSAMS equipment to communicate with rural hospitals that may not have specialists. [www.gsams.gagta.com](http://www.gsams.gagta.com)



For more information, please visit [www.georgia.org](http://www.georgia.org) or call (+1) 404.962.4000

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## Life Sciences



Driving innovation is a top priority in Georgia. The state supplies companies with an unequalled workforce and leading scholars in the business, creating a climate where ideas become reality and dreams are transformed into success.

Georgia's biotechnology industry has grown more than 200 percent over the last decade. In fact, a 2006 study by Ernst and Young ranked Georgia as the seventh largest life sciences community in the United States. The 2006 Business Facilities Rankings Report placed Georgia fifth in terms of overall strength and growth in biotechnology.

Biotechnology flourishes in Georgia thanks to compelling factors such as competitive operating costs, a skilled labor force, strong research centers, and most importantly, an array of partners who work hand-in-hand to maximize the impact of their resources and discoveries.

Georgia is committed to the future of the life sciences industry—supporting research around the state and educating those who will conduct research in the future. With an abundance of research institutions and universities in Georgia, it is not surprising that Atlanta is the seventh largest producer of bioscience degrees in the nation.

## Life Sciences

The area between Atlanta (Georgia's capital) and Athens (northeast of Atlanta) has been ranked 10th in the nation for life sciences research and development funding. Core competencies include infectious diseases, cardiovascular treatments, agricultural and animal biotechnology, genetics and neurological disorders and behavioral neurosciences.

Biotechnology research facilities and test laboratories are key industry employers in Georgia. Home to more than 250 biotechnology companies, Georgia is listed among the top states in both biotechnology and life sciences employment. The industry currently employs an estimated 20,000 people in Georgia.

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Georgia is home to the North American headquarters of prominent life sciences companies such as Solvay Pharmaceuticals, UCB and Merial. Other top bioscience companies in Georgia include Altea, AtheroGenics, CardioMEMS, Cell Dynamics, CIBA Vision, CryoLife, Immucor, Inhibitex, Matria Healthcare, SpectRx and Theragenics.



## BUSINESS INCUBATORS

■ **The Advanced Technology Development Center (ATDC)**, a technology business incubator started in 1981 at the Georgia Institute of Technology, has helped launch a number of Georgia success stories, including Mindspring Enterprises (now Earthlink), Theragenics, Synchrologic, Digital Furnace (now Broadcom) and Air2Web. Entrepreneur members of the ATDC gain strategic business advice and access to experts who can help build and launch successful technology-based companies.  
[www.atdc.org](http://www.atdc.org)

■ **VentureLab**, part of the ATDC, helps entrepreneurs evaluate the commercial value of an innovation by bringing faculty together with successful entrepreneurs experienced in attracting outside funding. Venture Lab also offers pre-seed funding to help move innovations to the commercial stage.  
[www.atdc.org/venturelab.asp](http://www.atdc.org/venturelab.asp)

■ Georgia's research universities collaborate with emerging innovation and technology-based companies through a network of **Technology Development Centers (TDCs)**. These centers make enormous research and development resources available to member companies, along with access to lab space, business support and mentorship. They help to enhance the commercial potential of ideas and innovations and include:

■ **CollabTech** (Georgia State University) provides new biotechnology companies sophisticated equipment and access to scientific expertise.  
<http://www.cas.gsu.edu:81/units/default.aspx?unit=biotech&section=collabtech>

■ **Georgia BioBusiness Center and the Center for Applied Genetic Technologies** (University of Georgia ) (**UGA**) is the only biotechnology incubator in the Southeastern United States that is devoted to medical sciences. The centers house several biotechnology companies to facilitate collaboration and access to research and technology at UGA, while reaching out to entrepreneurs around the state.  
[www.biobusiness.uga.edu](http://www.biobusiness.uga.edu)



■ **EmTech Bio** is a commercial research and development center formed by Georgia Tech, Emory University, the Georgia Research Alliance and ATDC to generate breakthroughs for companies focusing on genomics/informatics, drug discovery and vaccine development.  
[www.emtechbio.com](http://www.emtechbio.com)

■ **The Medical College of Georgia Life Sciences Innovation Center (LSIC)** is a joint program of the state of Georgia and the Life Sciences Business Development Center of the Medical College of Georgia. LSIC is an incubator for bio-businesses, providing wet labs, scientific equipment and mentoring as well as opportunities for joint university and private applied research.  
[www.georgiainnovation.org](http://www.georgiainnovation.org)

## UNIVERSITY PROGRAMS

■ **The Georgia Institute of Technology** houses the Institute for Bioengineering and Bioscience. Georgia Tech's Biomedical-Bioengineering program was ranked #2 in the U.S. in 2007; Johns Hopkins was ranked #1.  
[www.gatech.edu](http://www.gatech.edu)

■ **The Georgia Tech/Emory Center for the Engineering of Living Tissues (GTEC)** was established in 1998 by the National Science Foundation. GTEC works to develop critical core technologies and an educated workforce that will enable the development of tissue engineering.  
[www.gtec.gatech.edu](http://www.gtec.gatech.edu)

■ **The Emory University School of Medicine** is ranked among the nation's finest institutions for biomedical education. Emory University Hospital, on the Emory University School of Medicine's campus, was recently ranked 12th in the country (by U.S. News and World Report) for its heart surgery unit. Emory is known for its ground-breaking work in medical fields including treatment of vision and coronary disease, cancer, public health issues, and AIDS.  
[www.emory.edu](http://www.emory.edu)

■ **The University of Georgia**, recently ranked as the 25th research university in the U.S., maintains a 900-MHz spectrometer. The university is also home to the Center for Tropical and Emerging Global Diseases (CTEGD), a university-wide interdisciplinary center established to foster research, educational programs and services related to tropical and emerging diseases.  
[www.uga.edu](http://www.uga.edu)

■ **The Morehouse School of Medicine** was founded in 1981 and consistently wins competitive research awards. It is a historically black institution established to recruit and train minority and other students as physicians, biomedical scientists, and public healthcare professionals committed to the primary healthcare needs of the underserved.  
[www.msm.edu](http://www.msm.edu)

## INSTITUTIONS

■ **The Centers for Disease Control (CDC)**, headquartered in Atlanta, is the premier public health research institution in the world. The CDC receives approximately \$9 billion in annual funding and employees more than 6,000 scientists and public health specialists.  
[www.cdc.gov](http://www.cdc.gov)

■ **The Shepherd Center** is the largest catastrophic care hospital in the United States. It specializes in treating people with spinal cord injuries, acquired brain injuries, multiple sclerosis and other neuromuscular illnesses and urological problems.  
[www.shepherd.org](http://www.shepherd.org)

■ **The American Cancer Society** maintains its headquarters in Atlanta. The society is the largest source of private, nonprofit cancer research funds in the United States, second only to the federal government in total dollars spent. As of 2006, the society's research program had invested about \$3 billion in cancer research.  
[www.cancer.org](http://www.cancer.org)

■ **The Georgia Cancer Coalition** is a billion-dollar initiative that leads the state's effective use of resources to improve cancer prevention and offers access to quality cancer treatment, caregiver training and public education to all Georgians, as well as cutting-edge cancer research and biotechnology business incubation. Partners include Georgia's medical schools and research universities, a strong public health system, a vibrant technology sector, an excellent network of healthcare providers, an entrepreneurial business environment and the national headquarters for both the Centers for Disease Control and Prevention and the American Cancer Society.  
[www.georgiacancer.org](http://www.georgiacancer.org)

■ **The Winship Cancer Institute**, operating in conjunction with Emory University, is working to become Georgia's first National Cancer Institute (NCI) designated Comprehensive Cancer Center. The institute works towards a cure for cancer through scientific research programs and implements current research findings.  
[www.winshipcancerinstitute.org](http://www.winshipcancerinstitute.org)

