

THIS IS NO FAIRY TALE

Imagine ... a place where people come not only to visit the theme parks, but to be cured of deadly diseases; where medical miracles are performed everyday; where doctors from around the world are trained; and where scientists discover the secrets to longer, healthier lives.

Imagine ... a place known worldwide as a leader in medical excellence.

Imagine ... Orlando. A place where all this, and more, is happening today as we build one of the world's only, all new, "medical cities."

Examine Metro Orlando's Life Science Industry



Metro Orlando's emerging biotechnology and life science sector has sprung from a renowned regional healthcare system, comprised of some of the top hospitals in the country. The sector also draws strength from our prominent agricultural base and collaborative

efforts with the region's established optics/photonics and modeling, simulation and training sectors. Clinical trials of newly-developed medications are emerging as an important aspect of this sector as well.

There are few areas of science and technology that hold greater promise for the 21st century than life science. In Metro Orlando, we understand the importance of this industry cluster and are working to accelerate its growth.



bio ORLANDO

In 2006, a Milken Institute Study estimated that the UCF College of Medicine, along with a life sciences cluster, could create over 25,000 jobs and \$6.4 billion dollars in economic impact within 10 years.

30,000 jobs

In 2008, a new study from Arduin, Laffer and Moore Econometrics determined that the Cluster, in just 2 years, had already reached 80% of the Milken numbers (based on commitments) and released updated projections of 30,000 jobs and \$7.6 billion dollars in economic impact within 10 years.

\$7.6 billion

TODAY'S INDUSTRY IN METRO ORLANDO

- 150+ biotech/life science companies
- 9,248 workers
- \$2.6 billion in estimated earnings

bio ORLANDO

ACCELERATING GROWTH

Central Florida is poised to become one of the most advanced industry clusters in the world. At the center of this exciting growth is **bio**ORLANDO.

In addition to advising public policy makers on life science, health care and economic development issues, **bio**ORLANDO works to accelerate the growth of this industry in Central Florida by creating an environment for knowledge-bridging, business-building and identifying potential collaborations.

Mission

To serve as a catalyst for stimulating the life science and biotechnology industry in Central Florida.

Vision

To build Central Florida's prominence as a preferred destination for healthcare, life science, biotechnology and pharmaceutical companies, as well as their supporting industries.

Leadership

bioORLANDO operates as a council of the Metro Orlando Economic Development Commission and serves as the Central Florida Chapter of BioFlorida.



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bio ORLANDO

THE
RIGHT
FORMULA
FOR
GROWTH



ORLANDO'S MEDICAL CITY

Metro Orlando is one of only two communities in the world currently building a "medical city." Now located, under construction or planned for the 600+ acres at Orlando's Lake Nona Medical City are:

University of Central Florida (UCF) College of Medicine

Part of the nation's 2nd largest university, the UCF medical campus will include the Burnett School of Biomedical Sciences, a medical library and other UCF health sciences programs. The college has enrolled 41 students in its inaugural class, each of whom received a full four-year scholarship from nearly \$7 million in community donations.

Burnett School of Biomedical Sciences

UCF's esteemed research, graduate bio-med and undergraduate program will help the College of Medicine

build a research-intensive medical school where cutting-edge medical research spans the entire spectrum, from laboratory bench to patient bedsides. This facility was the first to open on UCF's Lake Nona Health Science Campus in 2009.

Sanford-Burnham Medical Research Institute at Lake Nona

A premier non-profit medical research facility focused on diabetes, obesity, cardiovascular disease, cancer and drug discovery, the Institute is on course to create over 300 research jobs at its East Coast operation in Orlando.

M. D. Anderson - Orlando's Cancer Research Institute (CRI)

Researchers at M.D. Anderson - Orlando's Cancer Research Institute (CRI), which is headquartered at Lake Nona, conduct basic laboratory research to further the scope of knowledge of processes that spark cell transformation into malignant forms and perpetuate cancer growth. Researchers partner with the UCF College of Medicine on research projects, and many serve as faculty members. The CRI is an affiliate of M. D. Anderson Cancer Center in Houston and a division of Orlando Health.

Nemours Children's Hospital

Nemours' specialized hospital for children will be the central hub of a 60-acre pediatric health campus featuring a children's clinic, emergency department, diagnostic and ambulatory programs, education centers and research programs. (Scheduled to open in 2012)

Orlando VA Medical Center

This brand new, \$600 million, state-of-the-art facility will increase accessibility to healthcare for approximately 400,000 Central Florida veterans and will be the first VA hospital built in the United States since 1995. In addition, the site has been selected as the national site for the Department of Veterans Affairs Medical Simulation Center. The center will be the nationwide training and planning home for the VA's new medical simulation system - Simulated Learning Enhancement and Advanced Research Network. A 35,000-square-foot facility, to be called the SimLEARN National Center, will bring physicians and other medical professionals from throughout the country to train in the latest medical simulation technology, including surgical robotics. (Scheduled to open in 2012)

University of Florida Research and Academic Center

This 100,000-square-foot research facility, which will include a satellite campus of the UF College of Pharmacy, will be shared with the Sanford-Burnham Medical Research Institute. This will enable the state's flagship research university to have direct collaborations with Sanford-Burnham's top scientists. (Scheduled to open in 2012)



BURNETT SCHOOL OF BIOMEDICAL SCIENCES

LEADING HEALTHCARE SYSTEM

Contributing to the strength of the biotechnology and life science sector is an established healthcare system anchored by several of the nation's largest and most renowned medical facilities, including:



Orlando Health

This 780-bed system is one of Florida's most comprehensive, private, not-for-profit healthcare networks. Hospital facilities,

advanced medical treatments and procedures, and highly qualified staff distinguish Orlando Health as a healthcare leader for nearly two million Central Florida residents and 4,500 international visitors annually.

Florida Hospital Orlando

Recognized by *U.S. News & World Report* as one of "America's Best Hospitals", Florida Hospital is comprised of eight Metro Orlando campuses which provide a wide range of health services, including nationally and internationally recognized programs in cardiology, cancer, women's medicine, neurology, diabetes and rehabilitation.



Florida's Blood Centers

Headquartered in Orlando, FBC is the sole supplier of blood and blood products to more than 70 hospitals and healthcare facilities throughout Florida - making it the largest independent blood center in the state and fourth-largest in the nation. FBC supports collaborative medical research in human disease.



UCF COLLEGE OF MEDICINE

COMMUNITY SUPPORT



Central Florida Research Park

The hub for the region's extensive technology sector is Central Florida Research Park - one of the top 10 parks of its kind in the world. Located adjacent to the University of Central Florida (UCF), the facility brings academia, industry and government together to pursue collaborative research and technology commercialization.

UCF Business Incubation Program

With nine facilities across Metro Orlando, the Business Incubation Program provides early-stage tech companies with the tools, training and infrastructure to create financially stable, high-growth companies. Since its founding in 1999, the Incubator has helped more than 160 emerging companies (including more than 100 current clients) create over \$800 million in annual revenue and more than 1,600 new jobs with an average salary of \$59,000.

Florida High Tech Corridor Council (FHTCC)

In a strategic approach to high tech economic development, FHTCC was established to attract, retain and grow high tech industry, along with the workforce to support this industry, in the 23-county service areas of the University of Central Florida, University of Florida and University of South Florida. Through this unique partnership, the universities provide matching grants, workforce development, cultivation of technology, and a marketing program leveraging governmental, economic development organization and corporate budgets on a regional basis.



"If I were in economic development in San Diego, I'd be concerned about Orlando."

Patrick Kelley, Biotechnology Industry Organization