

# Life. Sciences.

Bioscience research and development thrive in the perfect business climate.



BUSINESS DEVELOPMENT BOARD



**PALM BEACH  
COUNTY'S**  
Economic  
Development  
Resource



# Expanding into a globally recognized KNOWLEDGE-BASED ECONOMY

Palm Beach County's most vital and high-profile industry cluster – and its fastest-growing – is Life Sciences. As an emerging hub for biotechnology, medical devices, and pharmaceuticals, the Life Sciences industry changed the landscape of Palm Beach County with the arrival of Scripps Florida in 2004, and the Max Planck Florida Institute for Neuroscience in 2007. The co-location on a single campus of these premier institutes, along with the bioscience departments of Florida Atlantic University, creates a research environment that is replicated nowhere else.

## The Collaborations & Partnerships

Our learning institutions, from public education through higher education, research parks, and technology transfer centers create an environment where Life Sciences companies thrive. Progressive business policies, a quality workforce, industry development groups and initiatives, and a positive economic climate encourage innovative partnerships and capital investment, enabling Palm Beach County based companies to compete globally.

## Select Companies

**Akron Biotech** is a contract manufacturer and provider of biologics including reagents, regenerative medicine products, and cell therapy kits.

**Atlas Spine** creates spinal implant and instrument systems that combine the highest level of performance with simplicity of use to enhance patient outcomes.

**Biomet 3i**, a Zimmer Biomet company, offers one of the most comprehensive lines of dental implants and dental implant abutments, augmented by a growing line of site preparation and regenerative products.

**Biotest Pharmaceuticals Corporation** researches and manufactures biotherapeutic products with a specialization in immunology and hematology.

**BioTools, Inc.** provides contract laboratory services focused on proteins, peptides, carbohydrate, DNA, and chiral molecule analysis.

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# The Numbers

**35** Life Sciences/Healthcare Expansions or Relocations to PBC were assisted by BDB since the 2012 opening of Max Planck

**3,462** Direct Jobs Supported Since 2012 in the Life Sciences and Healthcare industries due to those relocations and expansions.

**Over 519** Jobs Retained Over 800k square feet of space taken by Life Sciences and Healthcare industries on projects assisted by the BDB since 2012.

**Over \$225 Million** In capital expenditures in the Life Sciences and Healthcare industries due to BDB relocations and expansions since 2012.

**Over 7,457** People Employed in the Life Sciences and related industries in Palm Beach County, according to the Florida Department of Economic Opportunity. This does not include healthcare providers or hospitals.

**Over 711** Companies Primarily engaged in R&D or manufacture of biotechnologies, medical devices, pharmaceuticals, and in the environmental and biological sciences.



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**Cytonics Corporation** is engaged in the development of diagnostic assays and treatments that will change the way physicians diagnose and treat spine and joint pain.

**Dyadic International, Inc.** is a global biotechnology company that uses its patented and proprietary technologies to conduct research, and commercial activities for the discovery, development, manufacture, and sale of products and solutions for the bioenergy, biochemical, biopharmaceutical, and industrial enzyme industries.

**DePuy Synthes, a Johnson & Johnson Company**, is a medical device company, manufacturing high-performance power instrument systems for neurosurgery, neurotology, spinal procedures, and otolaryngology.

**KRS Global Biotechnology** is a customized FDA registered and inspected 503b Human Outsourcing Facility that provides sterile and non-sterile compounding services to patients, surgery centers, ophthalmology clinics, hospitals, and pharmacies nationwide.

**Micelle BioPharma (MPB)** is an integrated pharmaceutical firm that has developed a unique lipophilic drug-delivery system that minimizes the food effect and increases drug bioavailability. MBP is also developing a drug for the treatment of Sickle Cell Disease.

**Sensus Healthcare** is a publicly traded company that develops and markets superficial radiation technology devices to treat basal and squamous cell carcinomas and keloids.

**Somahlution, Inc.** produces DuraGraft, a one-time interoperative treatment for vascular grafts that reduces graft failure rates.

**TherapeuticsMD** produces hormone-replacement therapies for large, underserved, and growing markets. It also develops and manufactures prescription and non-prescription prenatal vitamins.

## Industry Specific Infrastructure

**BioFlorida**, the state's trade organization for the Life Sciences, is headquartered in Palm Beach County.

**Life Sciences South Florida**, a consortium of all public and private universities along the I-95 corridor from Miami to Port St. Lucie, involves academia, research institutes, and the biotechnology industry in providing an overarching umbrella for the entire Southeast region.

**The Adams Center for Entrepreneurship at Florida Atlantic University** conducts a yearly business plan competition generating new ideas in science and technology, and providing funding for the entrepreneur winners. The competition allows participating teams to meet and network with VC principals, early stage angel investors, successful entrepreneurs, and senior business leaders.

## Who We Are

The Business Development Board of Palm Beach County is the official public/private economic development organization for Palm Beach County, and Palm Beach County partner of Enterprise Florida. Founded in 1982 as a not-for-profit corporation, our primary purpose is to attract and retain a spectrum of new industry, business investment, high-quality jobs, and workforce development through corporate relocations, expansions, and international trade, stimulating economic energy, promoting business diversity, and enriching the County's vitality. The Business Development Board is essentially your one-stop resource for information on relocating your business to or expanding in Palm Beach County.

The BDB offers free and confidential services, including:

- Confidential project management assistance
- Site inventory on available industrial buildings, land, and office space
- Site tours conducted by our relocation and expansion staff
- Information on grants, financial assistance, and financial incentives available through the State of Florida, Palm Beach County, and local municipalities
- Introductions to CareerSource Palm Beach County's employee-training programs
- Tours of public and private educational institutions
- Introductions to government and business leaders
- Provide information on available housing and cost-of-living data
- Information on government zoning and permitting
- Local buyer and supplier information
- Demographics and labor market information
- Available services and rates for utilities, communications, and transportation
- Overview of Palm Beach County's lifestyle, including recreational and cultural amenities for relocating families

During the past five years, the BDB assisted relocation and expansion projects that helped create and retain more than 13,382 direct jobs with average salaries greater than \$69,923, resulting in more than \$668 million in capital investment to Palm Beach County and an overall economic impact exceeding \$7.33 billion.

Additional information can be found at the BDB's website, [BDB.org](http://BDB.org).



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The Scripps Florida Research Institute, Jupiter

**The Life Science and Technology HUB (LST HUB)** is a networking and resource organization for companies and individuals involved in the Life Science industry.

**Max Planck Florida Institute for Neuroscience (MPFI)** is developing cutting-edge optical imaging technologies to visualize the structure, function, and development of neural circuits in the brain. MPFI offers the Integrative Biology and Neuroscience program (IBAN), a joint graduate program with Florida Atlantic University.

**The Scripps Florida Research Institute** has more than 40 principal investigators in its Florida location. Departments include Cancer Biology, Chemistry, Infectology, Metabolism and Aging, Molecular Therapeutics, and Neuroscience.

Palm Beach County has 14 hospital systems, many of which participate in clinical trials in fields including oncology, traumatic brain injury, cardiovascular disease, orthopedics, surgery, gastrointestinal disorders, neurology, pain, and memory disorders such as Alzheimer's. The county has favorable patient profile demographics for many types of trials, including those that study aging and neuroscience.

## The Educated Workforce

### PRIMARY EDUCATION (K-12):

The School District of Palm Beach County (SDPBC) is the eleventh-largest in the nation and the fifth-largest in the state of Florida with 185 schools, serving more than 183,000 students who speak 150 languages and dialects.

The School District of Palm Beach County offers elementary and middle schools with STEM (science, technology, engineering, and math)-related programs as well as biomedical sciences, health informatics, and pre-biotechnology. High schools with biotechnology and STEM-related Career Academies offer a wide variety of experiences and established partnerships with area biotech companies.

### HIGHER EDUCATION:

Certificates through Doctorate Degrees in Life Sciences and Healthcare Disciplines are offered at institutions including:

### Florida Atlantic University (FAU):

FAU relocated its Biotech Graduate Program to its MacArthur Campus in Jupiter to develop collaborative relationships with The Scripps Florida Research Institute and the Max Planck Florida Institute, as they are also located there. FAU's research awards have increased to over \$43 million, and it is classified as a "research university – high research activity" by the Carnegie Foundation. Its Life Sciences research focus areas include neuroscience, drug discovery, targeted therapeutics, cancer/HIV research, biotechnology, bioengineering, molecular medicine, and bioinformatics.

### Florida Atlantic University's Charles E. Schmidt College of Medicine:

The Charles E. Schmidt College of Medicine provides a four-year medical program capitalizing on FAU's existing strengths in basic, applied, and translational biomedical research, centered on understanding the molecular and cellular bases of human diseases, particularly those afflicting the aging population. FAU partners with Scripps Florida to offer a dual M.D./Ph.D. degree, with the M.D. from FAU and the Ph.D. from Scripps Florida's Kellogg School of Science and Technology. The FAU-Scripps partnership provides all FAU medical students, whether or not they are in the M.D./Ph.D. program, with an invaluable opportunity to interact with the Scripps faculty.

### Palm Beach State College (PBSC):

PBSC is a resource for workforce training and education for the Life Sciences industry. The College offers two degree programs in biotechnology. Students may enroll in the Associate in Science (A.S.) degree, which prepares them for the biotechnology workforce, academic research, and related industries; or a dual Associate in Arts (A.A.)/(A.S.) degree option, designed for pre-med and other students planning to transfer to a four-year university. Both the A.S. and dual A.A./A.S. programs require students to complete a four-month biotech internship outside of the College that provides training in real-world academic or industry research.

The college also offers a 19-credit Biotechnology College Credit Certificate (CCC) for students who already have a bachelor's degree and want to gain the in-demand skills employers require and the internship needed to get a high-tech job or to strengthen an application to graduate or medical school.

### JFK Medical Center Residency Program:

JFK Medical Center and the University of Miami (UM) offer two residency programs in Palm Beach County, training residents in Surgery and Internal Medicine. The five-year surgical program at the UM Regional Campus in Palm Beach County is based at JFK Medical Center. Surgical residents rotate through Jackson Memorial Hospital in Miami in such specialties as trauma, pediatric surgery, transplant, and liver surgery. The internal medicine residency program is based at JFK Medical Center, as well as the West Palm Beach Veteran's Administration Medical Center.

**For more information regarding education in Palm Beach County visit [www.PBCedu.org](http://www.PBCedu.org).**

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