

The State of Life Sciences in Palm Beach County



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Existing Infrastructure

- Florida Atlantic University
 - 4 institutional pillars all involve life sciences
 - Developing College of Medicine
- Scripps Florida
 - \$60 million in external grants in 2015
 - New leadership
- Max Planck Florida Institute for Neuroscience
 - Growing faculty
- Palm Beach State College
 - Biotech emphasis provides training relevant to employers' needs

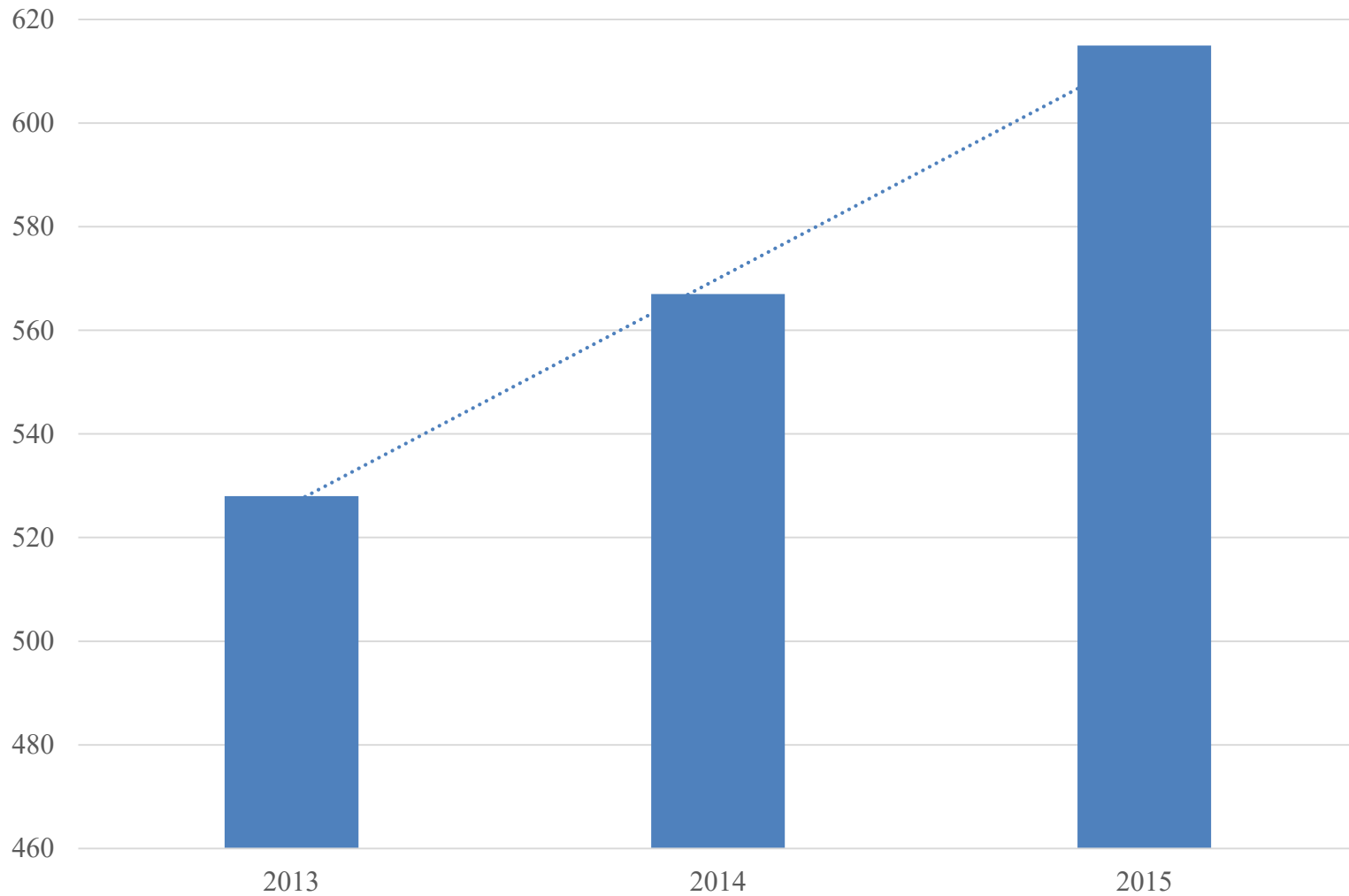
Existing Industry

- 93 life sciences companies in PBC.
 - Includes biotech, pharmaceutical & nutraceutical, and medical device manufacturing.
- Over 4,000 people employed.
- Over \$234 million in capital investment made by life sciences companies relocating or expanding in PBC since 2007.
- Over 350 patents issued in PBC

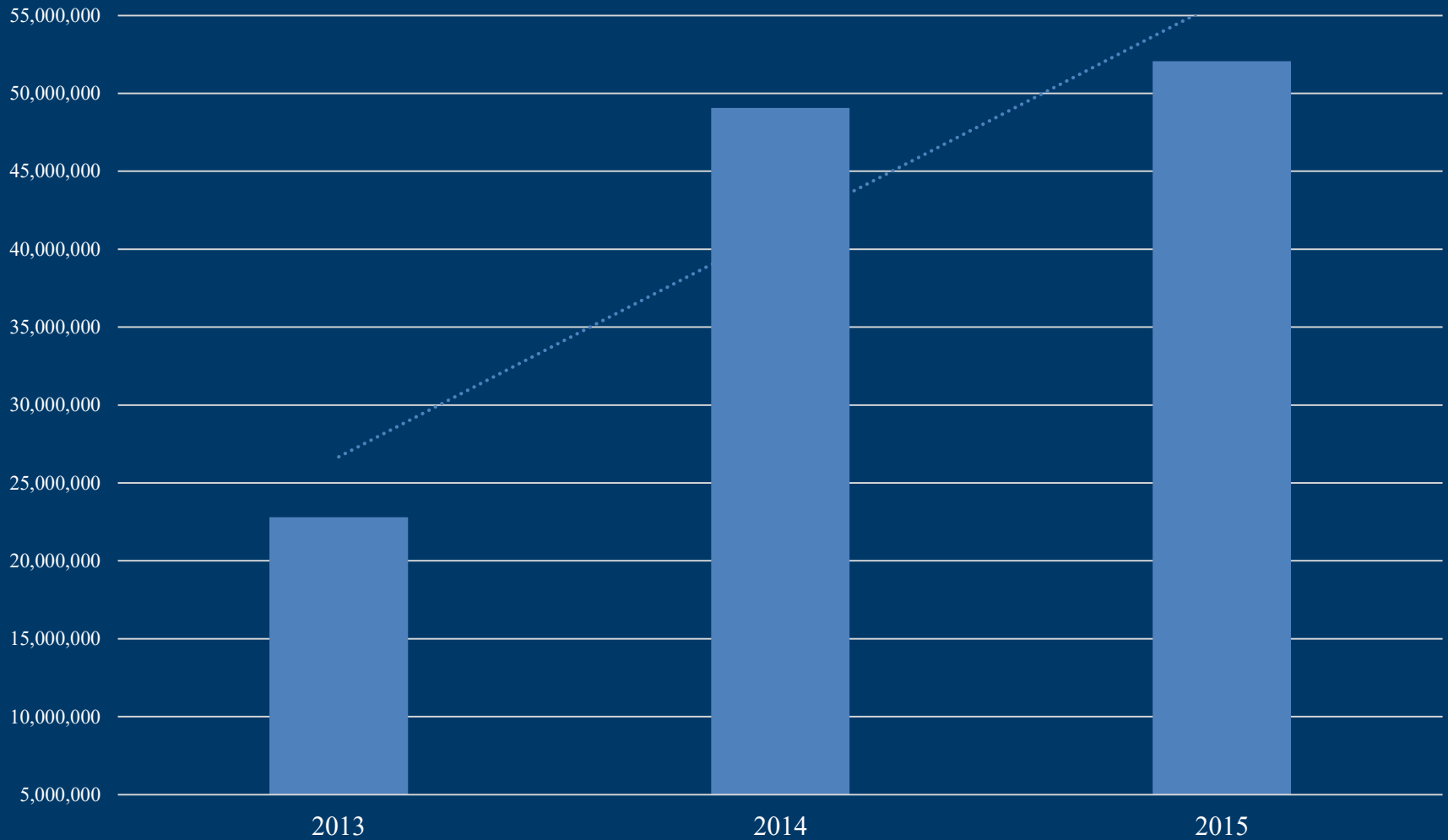
Research Park at FAU

- 63% of companies engaged in one of FAU's pillars:
 - Healthy aging, Neuroscience, Sensing & Smart Systems, Ocean Science
- Biotech, healthcare and healthcare IT dominate:
 - 53% of companies and 40% of jobs are in these industries

Research Park Company U.S. Patents Held 2013-2015



Research Park Venture Capital Raised 2013-2015



Florida Environment

2014	Florida	Research Park	Research Park % of Florida Total
Capital Raised	\$862,500,000	\$49,057,080	5.67%
U.S. Patents Issued	5,022	37	0.74%

Example Partnerships

- University MRI – Center for Complex Systems
 - >\$3M external funding
 - 55 peer reviewed articles published
 - 3 Ph.D. & 1 M.A. theses
 - 5 year research partnership with FAU announced in 2015
- Eye Life – License
 - Invention by Bill Glenn, Ph.D. – Florida Inventors Hall of Fame
 - Developing handheld ultra sound device
 - Investment & support from Florida Institute
- South Florida Radiation Oncology – College of Science
 - Medical Physics program training
 - Irradiation of lab mice

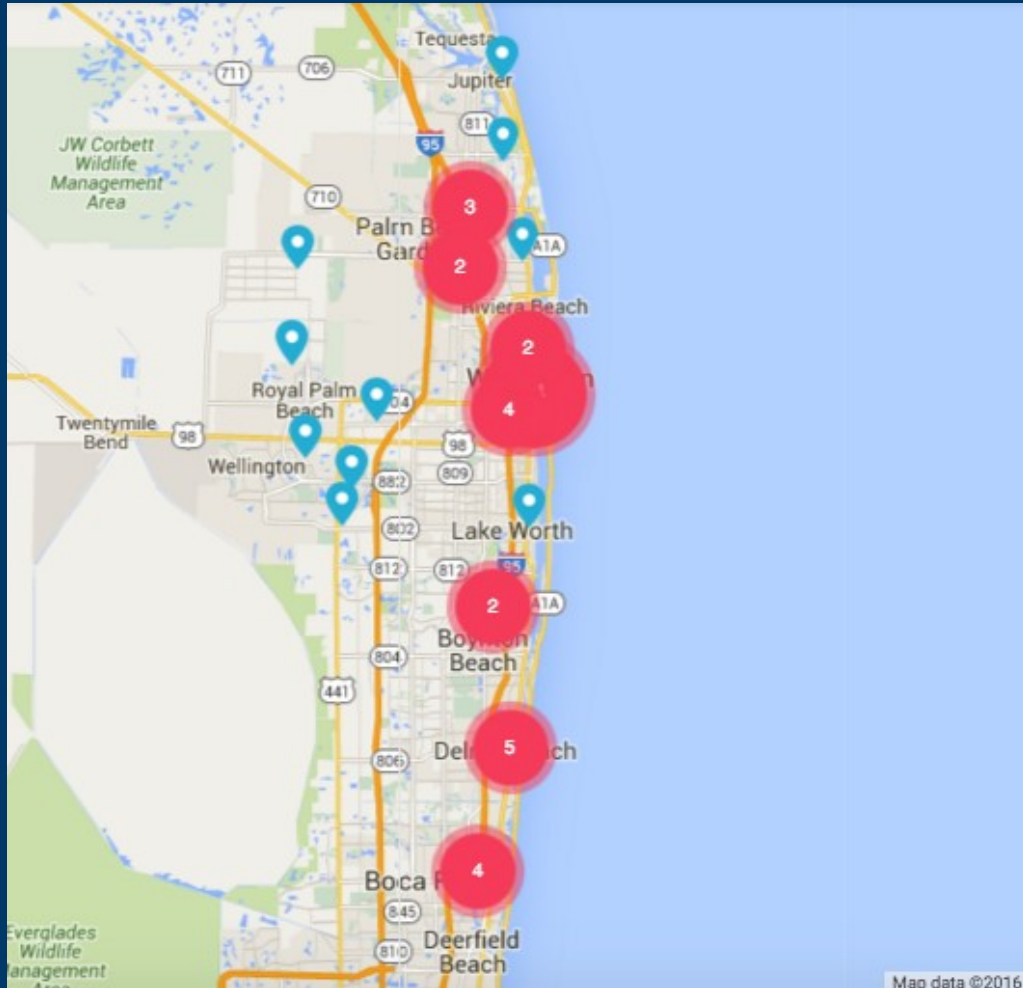
Palm Beach County Life Science Industry Cluster Study

- BDB contracted with Facility Logix, LLC to conduct analysis.
 - Study sponsor is Jupiter Medical Center.
 - Further support provided by FP&L.
- Will provide comprehensive inventory of the companies, institutions, and support resulting in thorough understanding of the industry, its strengths, and gaps.
- Study will guide the BDB's life sciences business recruitment, retention, and expansion strategy.
- Consultants interviewed 152 different people.
- Final draft of report expected in February 2016.

BDB Life Science Study

- Early observations:
 - Cooperation & willingness to participate;
 - Understanding of the process and timeline for discovery, testing, and commercialization is incomplete;
 - Several participants observed a lack of regulatory expertise in PBC.
- Potential Opportunities:
 - Great desire for connection among companies and stakeholders;
 - Opportunity to identify and educate local investors on needs, timelines, and opportunities;
 - Deploy resident “bench” of retired industry executives;
 - Leverage homegrown companies.

Palm Beach Technology Association



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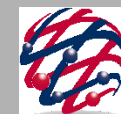
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Palm Beach Tech - Pillars

- **Education Pipeline**
 - *Work with local education partners to develop the talent pool for local technology companies and startups.*
- **Brand Development**
 - *Capitalize on our global reputation to build a brand drawing business, attracting talent, and producing startups.*
- **Community Advocacy**
 - *Serve as the voice of the technology industry to government and business leaders throughout the county.*



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