The Greater Baltimore Region has long been a hub of research in the life sciences, research that has led to breakthroughs in preventing, lessening, or curing countless medical conditions. The world may now be realizing the Region's strengths in life science R&D, though Greater Baltimore's life science companies have successfully developed groundbreaking technologies for decades. The Region benefits from unparalleled access to federal resources, world class universities focused in the life sciences, and an ecosystem of public and private assets ready to assist scientists and innovators.

Maryland's Life Science Workforce Leads the Nation...and the World

Employed PhD Scientists
Employed Bio & Health PhDs
Microbiologists
Biological Scientists, all other

Density rank, US States (MD Commerce, 2018)

Greater Baltimore's Unparallelled Access to Federal Resources

Federal Laboratories
Greater Baltimore is home to numerous federal labs, such as those at Aberdeen Proving Ground (Harford County) and the NIH Biomedical Research Center at The Johns Hopkins Bayview Medical Campus (Baltimore City). Seventy-four federal labs, including all of NIH's 27 institutes, are headquartered in Maryland.

Within a 1-Hour Drive

Federal R&D Funding
The Johns Hopkins University is the #1 recipient of NIH research funding. Maryland's growing companies receive the 3rd most SBIR funding of any state (GEN, 2018; SBIRSource, 2017). In total, Maryland receives more federal R&D dollars per worker than any other state, helping to fuel private-sector innovation.

Maryland #1
Density of Federal R&D Obligations (NSF, 2016)
Moving Discoveries from the Lab to the Marketplace

The Greater Baltimore region specializes in bringing life science innovations out of the lab and into the marketplace, turning ideas into realities that save lives. In the long term, new companies may choose dynamic headquarters in incubators including, among others, bwtech@UMBC or Johns Hopkins Technology Ventures, and in Greater Baltimore's supply of affordable, high-quality lab space.

University of Maryland BioPark
The UM BioPark is home to over 900 research scientists and entrepreneurs conducting hundreds of clinical and translational research projects each year on behalf of over 200 corporate sponsors.

Science + Technology Park at Johns Hopkins
Dozens of companies have taken root at Science + Technology Park at Johns Hopkins, benefiting from unique collaborations with Hopkins personnel in over 1 million square feet of available lab space.

Unique Opportunities for Continued Innovation

The Region's life science companies exist within an ecosystem of endless innovation, with numerous centers serving the specialized needs of startups. Whether the company is developing a biomedical device or a new cancer drug, there are industry-specific resources in the Region available to assist them from start to finish.

State & Local Support

The State of Maryland is "all in" on Life Sciences as demonstrated through efforts like the Life Science Advisory Board and the BioHealth Investment Incentive Tax Credit. In addition, the Region's local governments and industry groups such as the Maryland Technology Council and BioHealth Innovation provide numerous resources for companies.

A Dynamic Life Sciences Ecosystem – with Momentum

Venture funding for Maryland life science companies increased more than 700% in 2018 (MD Commerce, 2018). Recent examples in Greater Baltimore include MacroGenics raising $110 million in venture capital, NexImmune and Thrive Early Detection Co. - both JHU spinouts - raising $23 million and $110 million, respectively, and WindMIL Therapeutics raising $32.5 million. Notably, Paragon Bioservices was acquired by Catalent for $1.2 billion, and Baltimore's Emergent BioSolutions spent more than $1 billion on the acquisitions of PaxVax, Adapt Pharma, and others.

Largest Life Science Companies

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<thead>
<tr>
<th>BD</th>
<th>Quest Diagnostics</th>
<th>LUPIN PHARMACEUTICALS, INC.</th>
<th>emergent biosolutions</th>
<th>PARAGON BIOSERVICES</th>
<th>SHIMADZU</th>
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<tr>
<td>Osiris THERAPEUTICAL, INC.</td>
<td>FLAVOR</td>
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<td>Excellence in Science</td>
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