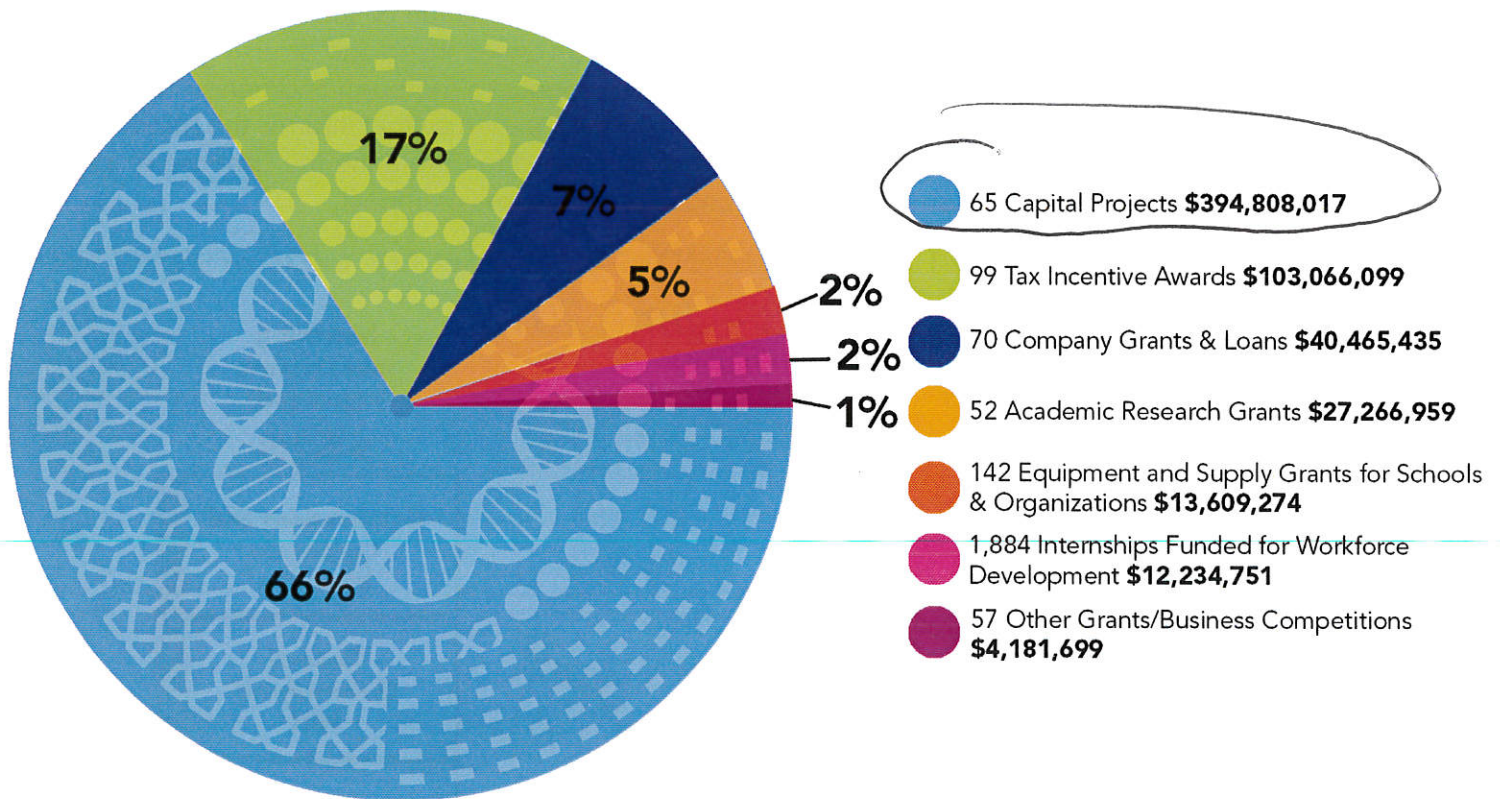


The MLSC currently manages a portfolio of over 600 individual grants, loans and tax incentives.

The MLSC's Investments and Commitments to Date by Dollar Amount (June 2008 - June 2015)



Highlights of the MLSC's FY 2015 investment commitments include:

- Capital Grants for 16 infrastructure projects totaling approximately \$27 million in investment or commitment, including five grants to community colleges;
- Equipment and Supply Grants to 44 high schools and middle schools across the state totaling nearly \$3.8 million;
- \$1 million towards the development of a unique Ebola diagnostic test;
- \$550,000 awarded to two companies and two middle schools to conduct research on the International Space Station;
- More than \$2.2 million in grants awarded to early-stage companies towards the completion of research and development milestones;
- Tax incentive awards to 11 companies totaling more than \$19 million; and
- Placement of 430 interns at companies across the state.

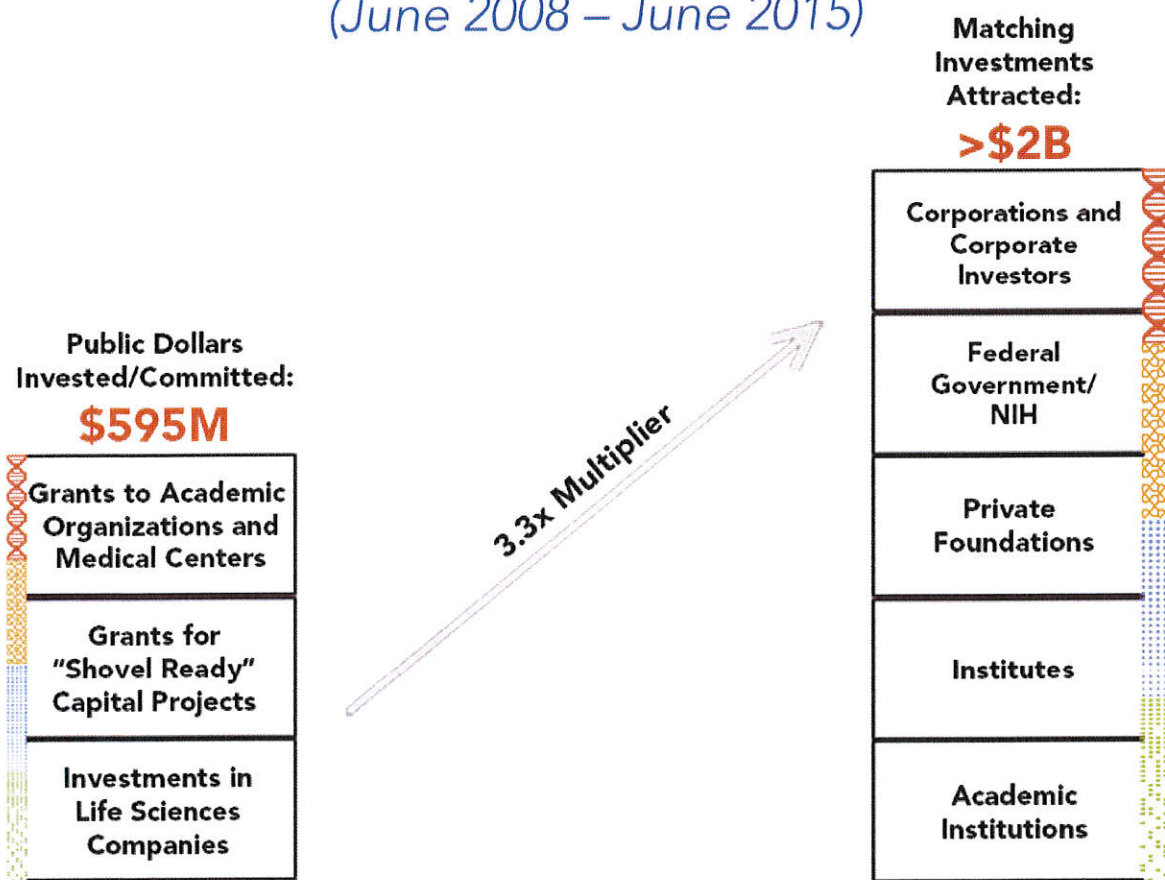


The Bottom Line

The MLSC's investment strategy remains focused on public-private collaboration and achieving high leverage on public tax dollars. Since 2008, the MLSC has directly invested or committed more than \$595 million and leveraged more than \$2 billion in third-party investment. In other words, every \$1 of taxpayer money that the MLSC has invested has attracted more than \$3.3 in additional, outside investment. This has created a portfolio of approximately \$2.6 billion in public-private investments in the state's life sciences ecosystem that would not have existed without the Life Sciences Initiative.

While investing in any industry is not without risk, the MLSC has continued its run of success at making sound investments within the life sciences sectors thanks to the guidance of an experienced and diverse group of leaders and experts that volunteer their time to review applications and conduct a thorough and transparent review process. The multi-disciplinary scientific, investment, business and legal expertise that informs the MLSC's decisions continues to provide the Center with the knowledge that is needed to determine the best use of public dollars in order to highly leverage the Commonwealth's funds and deliver major impact.

MLSC Investment and Commitments to Date by Dollar Amount (June 2008 – June 2015)



The MLSC's investment portfolio continues to grow and reflects the organization's strategy of filling development gaps faced by companies of all sizes and strengthening the state's position as the leader in life sciences. The MLSC invests in five key "innovation enablers":

- Translational research partnerships between industry and academic institutions;
- Entrepreneurship and the pipeline of early stage companies;
- Workforce development;
- Infrastructure; and
- New models of collaboration within the state and internationally.



Investing in Infrastructure

The MLSC's investments in infrastructure are funded through the MLSC's Capital Fund, which expended over \$77.6 million in FY 2015 as part of the state's overall capital plan. Through the Life Sciences Initiative, half of the resources committed (\$500 million of the total \$1 billion) are dedicated to capital projects.

The MLSC is committed to using its capital fund to ensure that the resources and infrastructure needed to maintain and strengthen our position as the global life sciences leader are in place across the entire Commonwealth. In support of this commitment, the MLSC uses its grants to engage and build on the strengths of the state's different regions and to ensure that institutions and regions across the state have the necessary infrastructure to contribute in meaningful ways to the fastest growing industry in the state.

To date, the MLSC's infrastructure investments have contributed or will contribute to the creation of more than 1.5 million square feet of new life sciences research and manufacturing space across the Commonwealth, while creating more than 4,300 jobs in the building trades and in the life sciences.

In response to our FY 2015 (fourth annual) competitive solicitation, the MLSC received 51 eligible applications for infrastructure projects from across the state. The MLSC's Board of Directors approved 10 new Capital Project Grants, five Equipment and Supply Grants for community colleges and a planning grant. These investments are summarized below:

Infrastructure Investments to Accelerate Innovation

Boston University/Boston Medical Center *(Boston)*

Boston University and Boston Medical Center were awarded over \$1.7 million to launch an expansive Lung Regeneration Initiative (LRI) as part of their Center for Regenerative Medicine. The goal of the LRI is the clinical application of recent BU-led discoveries in stem cell research, such as the treatment of lung diseases with personalized therapeutics, as well as the ultimate reconstitution of diseased lung epithelia in patients with emphysema. The LRI also aims to define and launch treatments for pulmonary fibrosis, pulmonary hypertension, cystic fibrosis, and acute lung injury from inhaled pathogens.

Boston Children's Hospital *(Boston)*

Boston Children's Hospital was awarded over \$2.2 million to enable an existing human neuron differentiation service to merge with an existing cellular assay development and screening core in a newly renovated core facility called the Human Neuron Core. The creation of this new resource at BCH will accelerate research into new treatments that will specifically benefit children with neurodevelopmental, psychiatric and neurological disorders to broadly facilitate new avenues of research for clinical investigators who lack direct experience in stem cell biology.

Brigham and Women's/Forsyth Institute *(Boston/Cambridge)*

The Forsyth Institute and Brigham & Women's Hospital were awarded over \$4.8 million to fund the creation of the Massachusetts Host-Microbiome Center, which will accelerate practical understanding of how personal microbial communities interact to promote health or cause disease. The project draws upon unique expertise among state institutions that have pioneered functional systems to identify causative effects of microbial communities in vivo, namely The Forsyth Institute, Brigham & Women's Hospital, Boston Children's Hospital and the Harvard Digestive Diseases Center.

Massachusetts Institute of Technology *(MIT)* *(Cambridge)*

MIT received over \$1.8 million for a project aimed at establishing new genetic models for brain disorders research. The project will take advantage of the recently developed CRISPR technology, a powerful method for making precise genetic changes in living cells and organisms. The focus of the project is on psychiatric disorders, which are among the most disabling yet poorly understood human diseases, but the technology platform will be widely applicable to many questions in basic and translational neuroscience.



University of Massachusetts Medical School (Worcester)
UMass Medical School was awarded \$5 million to support a joint venture with Harvard Medical School to establish a facility for High Resolution Cryo-Electron Microscopy (Cryo-EM). Cryo-EM is a critical new technology for studying the relationships between structure and function in large molecular complexes within cells. One of the most important new tools for drug design and development, Cryo-EM will play a critical role in identifying likely therapeutic approaches for a broad range of diseases, particularly neurological disorders such as Alzheimer's, immunological disorders, and diabetes.

"Our medical school feels privileged to be part of an initiative that illustrates why Massachusetts is leading the nation in life sciences research, investment and innovation."

- Michael F. Collins, Chancellor of UMass Medical School

Training the Next Generation of Life Sciences Talent

Bay Path University (Longmeadow)

Bay Path University in Longmeadow was awarded \$500,000 to purchase science equipment and supplies that will enable the University to expand opportunities for collaborative student research and through the integration of new science equipment, better prepare young women for career success in the life sciences sectors.

Berkshire Community College (Pittsfield)

Berkshire Community College (BCC) was awarded \$500,000 in funding to launch an educational underpinning that will support the development of the Berkshire Innovation Center (BIC). BCC plans to purchase state-of-the-art reverse engineering equipment and 3-D prototype printers, and develop new courses, which will help to establish a foundation to provide students with advanced learning opportunities.

Boston University's Biomedical Laboratory and Clinical Sciences (BLCS) Program (Boston)

BLCS received \$180,000 in funding to enhance the quality of the training, add to the competencies of the students and to enable the BLCS program to obtain essential equipment. BLCS purchased a small bioreactor, a small bench top fluorescence activated cell analyzer, and implemented an electronic laboratory information and management system to train students for the changing environment for record keeping in the biotech industry.

Holyoke Community College (Holyoke)

Holyoke Community College (HCC) was awarded \$300,000 to purchase biotechnology equipment and supplies. This request is part of a larger capital project, for which HCC received a \$3.8 million award from the MLSC in 2013 for 13,000 square feet of lab space and the creation of a Center for Life Sciences. This includes

a clean room for the biological sciences, which will be the only clean room in Western Massachusetts to support training for students, faculty and industry partners. The construction is expected to be completed during the 2017-2018 school year.

Just-A-Start Corporation (Cambridge)

Just-A-Start Corporation (JAS) was awarded \$49,992 to improve classroom technology and equipment for its Biomedical Career Program (BCP). The BCP provides opportunities for low and moderate income adults to obtain entry level positions and increase their earning potential. The biomedical industry is able to hire from a diverse group of prepared graduates of this free nine-month program. Participants receive academic training in science and technology and laboratory skills and a certification in collaboration with Bunker Hill Community College.

Quinsigamond Community College (Worcester)

Quinsigamond Community College (QCC) was awarded \$5 million to enhance its existing life sciences programming and expand the college's life sciences and biotechnology programming into Southbridge and downtown Worcester. Last fiscal year, QCC received \$499,880 in funding from the MLSC to support and enhance the school's life sciences training facilities located on their main campus in Worcester.

Regis College (Weston)

Regis College was awarded \$355,000 to invest in critically needed equipment that will provide life sciences education opportunities to underserved populations. The grant will also better prepare students for graduate studies, position Regis for advanced biomedical science and regulatory studies education programs, and increase the number of graduates who will be contributing competitively and substantially to Massachusetts' innovation economy.



Roxbury Community College (Boston)

Roxbury Community College (RCC) was awarded \$3 million in grant funding to build additional science labs and renovate existing lab space for its new Life Sciences Institute (LSI). The renovations will play a significant role in promoting an environment that fosters innovation and undergraduate student research at RCC, which is critical to maintaining students' interest in the life sciences. RCC's student body is predominately made up of students of color and immigrant communities, uniquely positioning the College to fill the need for a diverse, well-trained and local life sciences workforce.

Springfield Technical Community College

(Springfield)

Springfield Technical Community College (STCC) was awarded \$1,000,000 to establish a Biomedical Engineering Technology associate's degree program

with two BMET (Biomedical Instrumentation and Biomedical Device Manufacturing) tracks, and to enhance STCC's existing Biotechnology associate's degree program. As the only technical community college in Massachusetts, STCC has an on-going need for up-to-date industry-aligned equipment and lab space for life sciences programs.

Wellesley College (Wellesley)

Wellesley College was awarded a \$50,000 grant to support the planning and design phase of the renovation and modernization of their Science Center. The grant will be used to plan for laboratories and teaching facilities that will increase faculty research capabilities, enhance faculty recruitment, and strengthen the learning experience so more students will persist in science majors and go on to STEM careers.

Working Space for Early-Stage Companies

Boston University Business Innovation Center (Boston)

The Boston University Innovation Center was awarded \$363,750 to convert current office space to laboratory space dedicated to fulfilling the needs of start-ups in the biophotonic field. The new laboratory will provide facilities and space for up to four companies. The Boston University Photonics Center (BUPC) is a national leader in biophotonic research, a life sciences speciality that uses light to understand cellular behavior and to diagnose and treat diseases.

Below and on the following page is a list of awards made by the MLSC since the inception of the MLSC capital fund and the status of each project.

Capital Awards from Inception through June 30, 2015

Infrastructure Investments to Accelerate Innovation	Total Award	Year of Award	Status at End of FY 2015
Boston Children's Hospital	\$4,014,031	FY 2013	Completed
Boston Children's Hospital	\$2,263,133	FY 2015	Ongoing
Boston University Medical School	\$1,743,648	FY 2015	Ongoing
Brigham & Women's Hospital	\$2,603,537	FY 2015	Ongoing
Dana Farber Molecular Cancer Imaging Center	\$10,000,000	FY 2012	Ongoing
Harvard Medical School	\$5,000,000	FY 2013	Ongoing
Joslin Translational Center for the Cure of Diabetes	\$5,000,000	FY 2012	Completed
MA Green High Performance Computing Center	\$4,540,000	FY 2013	Ongoing
Marine Biological Laboratory in Woods Hole	\$10,000,000	FY 2009	Completed
Massachusetts Institute of Technology	\$1,838,000	FY 2015	Ongoing
MassBiologics-UMass Medical School	\$5,000,000	FY 2014	Ongoing
The Forsyth Institute	\$4,133,215	FY 2013	Completed
The Forsyth Institute	\$2,210,229	FY 2015	Ongoing
Tufts/Cummings School of Veterinary Medicine, NE Regional Biosafety Lab in Grafton	\$9,500,000	FY 2009	Completed
UMass Amherst Life Sciences Laboratories	\$95,000,000	FY 2013	Ongoing
UMass Boston /Dana Farber Center for Personalized Cancer Therapy	\$2,000,000	FY 2011	Ongoing
UMass Boston /Dana Farber Center for Personalized Cancer Therapy Expansion	\$8,000,000	FY 2014	Ongoing
UMass Dartmouth Advanced Technology Manufacturing Center (ATMC)	\$11,400,000	FY 2012	Completed



UMass Dartmouth/Vector Manufacturing Center	\$20,600,000	FY 2012	Completed
UMass Lowell Emerging Technologies and Innovation Center	\$10,000,000	FY 2012	Completed
UMass Medical School	\$5,000,000	FY 2015	Ongoing
UMass Medical School Albert Sherman Center	\$90,000,000	FY 2010	Completed

Training the Next Generation of Life Sciences Talent	Total Award	Year of Award	Status at End of FY 2015
Bay Path College	\$50,000	FY 2013	Completed
Bay Path University	\$500,000	FY 2015	Ongoing
Berkshire Community College	\$500,000	FY 2015	Ongoing
Boston University Biomedical Lab and Clinical Sciences Program	\$180,000	FY 2015	Ongoing
Bunker Hill Community College	\$200,000	FY 2013	Completed
Cape Cod Community College	\$395,485	FY 2014	Ongoing
City of Taunton	\$55,000	FY 2014	Ongoing
Framingham State University	\$3,000,000	FY 2014	Ongoing
Holyoke Community College	\$3,800,000	FY 2013	Ongoing
Holyoke Community College	\$300,000	FY 2015	Ongoing
Just-A-Start	\$46,099	FY 2014	Completed
Just-A-Start	\$49,992	FY 2015	Ongoing
MassBay Community College	\$50,000	FY 2014	Ongoing
Middlesex Community College	\$36,664	FY 2013	Completed
Middlesex Community College	\$3,000,000	FY 2014	Ongoing
Mount Wachusett Community College	\$500,000	FY 2014	Ongoing
Museum of Science "Hall of Human Life"	\$5,000,000	FY 2012	Completed
North Shore Biotech Consortium	\$5,000,000	FY 2014	Ongoing
Northern Essex Community College	\$1,242,000	FY 2013	Ongoing
Quincy College	\$94,087	FY 2013	Completed
Quincy College	\$500,000	FY 2014	Ongoing
Quinsigamond Community College	\$310,000	FY 2013	Completed
Quinsigamond Community College	\$499,880	FY 2014	Completed
Quinsigamond Community College	\$5,000,000	FY 2015	Ongoing
Regis College	\$50,000	FY 2013	Completed
Regis College	\$355,000	FY 2015	Ongoing
Roxbury Community College	\$3,000,000	FY 2015	Ongoing
Springfield Technical Community College	\$85,673	FY 2013	Completed
Springfield Technical Community College	\$1,000,000	FY 2015	Ongoing
Wellesley College	\$50,000	FY 2015	Ongoing
Western New England University	\$500,000	FY 2014	Completed
Worcester Polytechnic Institute (Biomanufacturing Education & Training Center)	\$2,950,000	FY 2010	Completed

Working Space for Early-Stage Companies	Total Award	Year of Award	Status at End of FY 2015
BayState Medical Center/Health Informatics & Technology Innovation Center	\$5,500,000	FY 2013	Ongoing
Boston University Business Innovation Center	\$363,750	FY 2015	Ongoing
Gateway Park-MBI	\$2,200,000	FY 2010	Completed
LabCentral	\$4,955,515	FY 2013	Completed
LabCentral	\$5,000,000	FY 2014	Ongoing
New Bedford Economic Development Council	\$75,000	FY 2014	Completed
Pittsfield Economic Development Authority	\$55,000	FY 2013	Completed
Pittsfield Economic Development Authority	\$9,670,000	FY 2014	Ongoing
UMass Boston VDC	\$588,848	FY 2014	Ongoing
UMass Lowell Innovation Hub	\$1,000,000	FY 2014	Ongoing
UMass Lowell M2D2	\$4,046,697	FY 2014	Ongoing
Venture Café	\$347,000	FY 2014	Ongoing

Municipal Infrastructure to Support Life Sciences Growth	Total Award	Year of Award	Status at End of FY 2015
Framingham Wastewater and Pumping Station	\$12,860,534	FY 2009	Completed





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Incubators

Massachusetts is home to some of the world's most successful life sciences incubators. With locations in Beverly, Boston, Cambridge, Lexington, Lowell, Springfield, Woburn and Worcester, among others that entrepreneurs have the opportunity to stay connected to Massachusetts' booming life sciences ecosystem.

Life sciences incubators provide entrepreneurs with the space, services, equipment and expertise needed to successfully start a company at a fraction of the cost it would take to set up your own lab.

Click the organizations listed below to learn more about the many incubators that are available in Massachusetts.

ABI-LAB



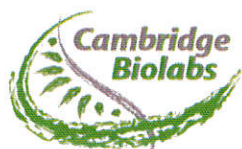
- ABI-LAB Accelerator and Bioincubator Lab in Natick, MA supports startup companies through availability of affordable lab space and innovative pre-clinical services.
- The 8500 sq ft will include CLIA/CAP Diagnostics Lab, Cell-Culture, Protein Purification and Protein Analysis through flexible lab space.
- Business networking to over 100 companies, based on 18 years of pre-clinical Contract Research Organization activity in MA.
- Please visit www.abi-lab.com for more information.

BioSquare

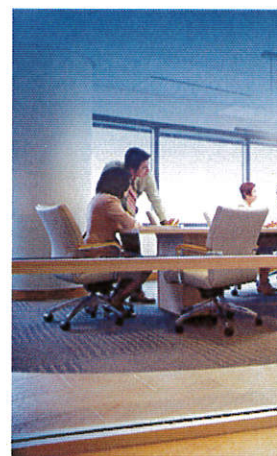


- Located in Boston's South End on Albany Street
- Site contains over 700,000 gross square feet of accessible space
- Tenants enjoy unparalleled access to biomedical and operational core services, allowing the utilization of special services without incurring a considerable expense
- Please visit bu.edu/biosquare for more details

Cambridge BioLabs



- Located within Kendall Square in Cambridge, Massachusetts



- Established with the intention of providing start-up biotechnology companies and venture capitalists with an appropriate lab space
- Facility features wet-bench laboratory space for molecular, cellular, and microbiologies
- Please visit cambridgebiolabs.com for more details

Cambridge Innovation Center



- Located in Kendall Square in Cambridge, Massachusetts
- Since 2001 its clients have earned over \$7.1 b in venture capital
- Clients include growing technology and life sciences companies, professional service firms, and venture capitalists.
- Please visit cic.us for more details

Cape Ann Business Incubator



- Located in Gloucester, Massachusetts
- Created to help stimulate Cape Ann's economy by providing a centralized source of expertise and resources for the growing number of small start-up businesses
- Provides tenants with access to resource centers, seminars and presentations, and individually assigned mentors/coaches
- Please visit capeannbusiness.com for more details

CreaGen Life Science Incubator



- Located in Woburn, Massachusetts, less than 10 miles/10 minutes from Cambridge/Boston. Flexible, affordable, private and shared offices and labs with high-end chemistry equipment
- Entrepreneurs are provided with a collaborative environment; support from senior level scientists, consultants, business executives, and introductions to investors and other critical resources.
- The facility hosts more than 6 life science companies and has graduated several already.
- Please visit www.creagenincubator.com for details, arrange a tour and discussion.

[Enterprise Center](#)

- Located within Salem State University in Salem, Massachusetts
- Houses a variety of companies from startups to fully established businesses
- Plays host to several large programming events, including the 128 North Venture Breakfast Series, the annual Million Dollar Women's Symposium, and the annual North of Boston Business Plan Competition
- Please visit salemstate.edu/enterprise for more details

[LabCentral](#)

- A 28,000 square-foot facility in the heart of the Kendall Square, Cambridge
- LabCentral provides first-class facility and administrative support, and skilled laboratory personnel
- Offers fully permitted laboratory and office space for as many as 25 startups comprising approximately 100 scientists and entrepreneurs
- Please visit www.labcentral.org to learn more

[Launch](#)

- Located in Woburn, Massachusetts
- Combines the support and synergy of a co-working environment with the convenience of a major business campus
- Offers a variety of month-to-month plans and prices
- Please visit cummingsexecutivesuites.com for more details

[Mansfield Bio-Incubator](#)

- Located in Mansfield, MA with easy access to Routes 95 and 495 and a shuttle service to Commuter Rail.
- The incubator will be open in Summer 2015 in a 10,000 square foot facility and will contain open-lab and office space for up to 15 start-up companies.
- Our goal is to provide the entrepreneurs and innovative life-sciences start-ups with the state-of-the art, capital-efficient space, with the core laboratory instruments and services, mentoring, legal, and other resources they need to test out, challenge, and nurture early ideas.
- Please visit www.bioinc.org for more details

[Mass Innovation Labs](#)



- Located in the heart of Kendall Square.
- 124,000 square foot first-class chemistry and biology space
- Animal facilities & co-located CRO services
- Please visit <http://www.massinnovationlabs.com/> for more details

Massachusetts Biomedical Initiatives



- Located in four facilities in Worcester, Massachusetts
- MBI offers 30,000 SF of private laboratories and shared equipment for startup companies at an affordable "all-inclusive" rent.
- Founded in 1985, MBI provides business assistance and access to vivarium facilities and CORE equipment at local institutions.
- Please visit massbiomed.org for more details

Massachusetts Medical Device Development Center (M2D2)



- Located in Lowell, Massachusetts
- Leverages the engineering, business and clinical strengths of the UMass campuses in Lowell and Worcester to provide fee-based services in the areas of business planning, product prototype development and clinical pathway assistance
- Space includes 6 laboratory suites including two fully equipped office suites
- Please visit uml.edu/M2D2 for more details

MD Informatics Lab



- Located within the University of Massachusetts Boston, in Boston, Massachusetts
- Provides a community for digital health startups
- Has played host to companies such as Momedx, Pillbx, and NervCell
- Please visit mdidealab.com for more details

NGIN Workplace



- NGIN is the newest premier destination for startup and entrepreneurs centrally located in Cambridge, MA.
- Intelligently designed ultra modern office space with 15,000 square feet of private offices, personal desks, meeting rooms, event spaces, and unique bistro cafe.
- With our Plug & Play Model, NGIN's entrepreneurs & startups just need a laptop and a creative mind to get started.
- Please click [here](#) for more details.

North Shore Innoventures Center



- Located in Beverly, Massachusetts
- NSIV is a non-profit funded in large part by state and federal grants as well as corporate sponsors
- NSIV has a strong focus on cleantech and the life sciences
- Please visit nsiv.org for more details

Quick Start Accelerator at MedChem



- Located in Lexington, Massachusetts
- Allows for quick project approval turn-around time and flexible work plans
- Willing to take on a wide variety of projects, including high-risk ones
- Please visit medchempartners.com for more details

Quincy Center for Innovation



- Located in Quincy, Massachusetts
- Offers an ideal environment for co-working and collaboration, supporting start-ups and early phase companies
- Was formed as a strategic partnership between the Quincy Chamber of Commerce, Quincy 2000 Collaborative, eastern Nazarene College, South Shore Innovation Center and the City of Quincy
- Please visit quincyinno.com for more details

[Springfield Business Growth Center](#)

- Located in Springfield, Massachusetts
- Provides comprehensive support services and a professional office environment for new businesses initiatives
- 40% of business startups are still in business after 6 years- the Springfield Business Incubator's success rate is 90%
- Please visit stcc.edu/sbi for more details

[TechSandBox](#)

- Located in Hopkinton right off I495 near I90
- Turnkey support for all sectors of science and technology companies, the 8700-square-foot facility includes large conference facility, board room, co working space, cafeteria and maker space; it includes WiFi and use of address for Resident Entrepreneurs. General Members have access to programs and support.
- Depth of support: advisors, mentors, and programs (workshops, networking, birds of a feather) several times a week
- A non-profit started by a tech-sector exec. No equity or cohort limits. Please visit techsandbox.org

[Trade Executive Suites](#)

- Located in Beverly, Massachusetts
- Fully-renovated, 10,000-square-foot facility includes a plush reception area, fully-furnished executive finishes, central lounge, business center, and multiple conference room options
- Suites are fully wired for state-of-the-art communications and Internet connectivity, including WiFi
- Please visit cummingsexecutivesuites.com for more details

[Tufts Biotechnology Transfer Center](#)

- Located in the research quad of the Cummings School of Veterinary Medicine at Tufts University campus in North Grafton, Massachusetts
- Facility offers small laboratory and office suites to start-up life sciences companies
- Tenants also enjoy access to the clinical and research faculty, as well as other academic and recreational amenities and services of the campus.
- Please visit vet.tufts.edu for more details

[UMASS Boston Venture Development Center](#)



- Located in Boston, Massachusetts, approximately 8 minutes from South Station via the Red Line
- 18,000 sq. ft. state-of-the-art wet and dry lab facility, ready to move in
- Startups have an 86% success rate, averaging \$3,201,600 in investment
- Please visit umb.edu/vdc for more details

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Innovation Acceleration Facilities

In addition to the many incubators across the state, Massachusetts offers several acceleration facilities, unique resources available to life sciences entrepreneurs to jumpstart their innovations.

Click the resources listed below to learn more about the many Innovation acceleration facilities that are available in Massachusetts.

[Advanced Technology and Manufacturing Center \(ATMC\)](#)



- Located in Fall River, Massachusetts, at the University of Massachusetts Dartmouth
- Its goal is to provide advanced technology and manufacturing solutions, through industry and university partnerships, to meet current and future business needs
- The space occupies 60,000 square feet with plans to construct two more facilities eventually occupying the entirety of the park's 17 acre area
- Please visit atmc.umassd.edu for more details



[Biomufacturing & Education Training Center \(BETC\)](#)



- Located in Worcester, Massachusetts, at Worcester Polytechnic Institute's (WPI) Gateway Park
- Funded in part by a grant from the MLSC, the BETC is a fully functional biomufacturing pilot plant
- Process areas include equipment preparation and sterilization; buffer and media preparation; fermentation and cell culture; protein capture; purification; and laboratory analytics
- Please visit <http://wp.wpi.edu/betc/> for more details

[Emerging Technologies & Innovation Center \(ETIC\)](#)

- Located in Lowell, Massachusetts, at the University of Massachusetts Lowell
- Provides core facilities for use in fundamental and translational research
- Houses cutting-edge programs in nanomedicine, nanomanufacturing, plastics and elastomers, clean-room technologies, biomaterials development and more
- Please visit uml.edu/research/centers/etic for more details

Eugene Bell Center for Regenerative Biology and Tissue Engineering

- Located in Woods Hole, Massachusetts, at the Marine Biological Laboratory (MBL)
- Is an international center for research, education and training in biology, biomedicine and environmental science
- Home to a national resource for research on the frog, *Xenopus*, which possesses unique regenerative abilities and is a major animal model used in U.S. biomedical research
- Please visit mbl.edu/bell for more details

International Stem Cell Registry

- Located in Worcester, Massachusetts, at the University of Massachusetts Medical School
- Mission is to provide a searchable, comprehensive database that includes published and validated unpublished information on all human embryonic (hESC) and induced pluripotent (iPS) stem cell lines
- Registry will include cell lines from non-profit institutions, academic centers, research enterprises, stem cell banks and industry based in the United States and abroad
- Please visit umassmed.edu/isrc for more details

LabCentral

Lab | Central

- Located in Cambridge, Massachusetts, near Kendall Square
- Supports the creation of innovative startup biotechnology companies by providing a world-class environment for entrepreneurs, and a fully-functional life sciences laboratory
- Shared biotech-capable lab will house up to 65 scientists, in 20 individual lab stations and 9 private lab suites
- Please visit labcentral.org for more details

Massachusetts Accelerator for Biomanufacturing (MAB)

- Located in Fall River, Massachusetts, at the University of Dartmouth's SouthCoast Life Science & Technology Park
- Provides companies with key capabilities for testing their biomanufacturing processes, training their current and future workforce and providing a unique research facility at "production scale"
- Includes mammalian cell culture and purification capability up to 300L scale; microbial fermentation and purification capability up to 300L scale; both stainless steel and single use cell culture fermenters; flexible services

including QA/environmental monitoring, full utilities (RO/DI water), clean steam gases, waste stream management, data collection, media and column prep and secure access; and quarantine and release storage areas

- Please visit southcoastlifesciencepark.com/umd for more details

[Massachusetts Green High Performance Computing Center \(MGHPCC\)](#)



- Located in Holyoke, Massachusetts
- Is a data center dedicated to supporting the growing research computing needs research institutions, including five of the most research-intensive universities in Massachusetts: Boston University (BU), Harvard University, MIT, Northeastern University, and the University of Massachusetts (UMass)
- ~90,000 square foot, 10 MegaWatt facility, with an additional 5MW available for other functions such as cooling and lighting
- Please visit mghpcc.org for more details

Coming soon:

- [Dana-Farber Center for Molecular Imaging](#)
- [Forsyth Center for Salivary Diagnostics](#)
- [Harvard Medical School's Laboratory of Systems Pharmacology](#)

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