

# Massachusetts: The World's Leading Life Sciences Ecosystem

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Investing in the State of Innovation

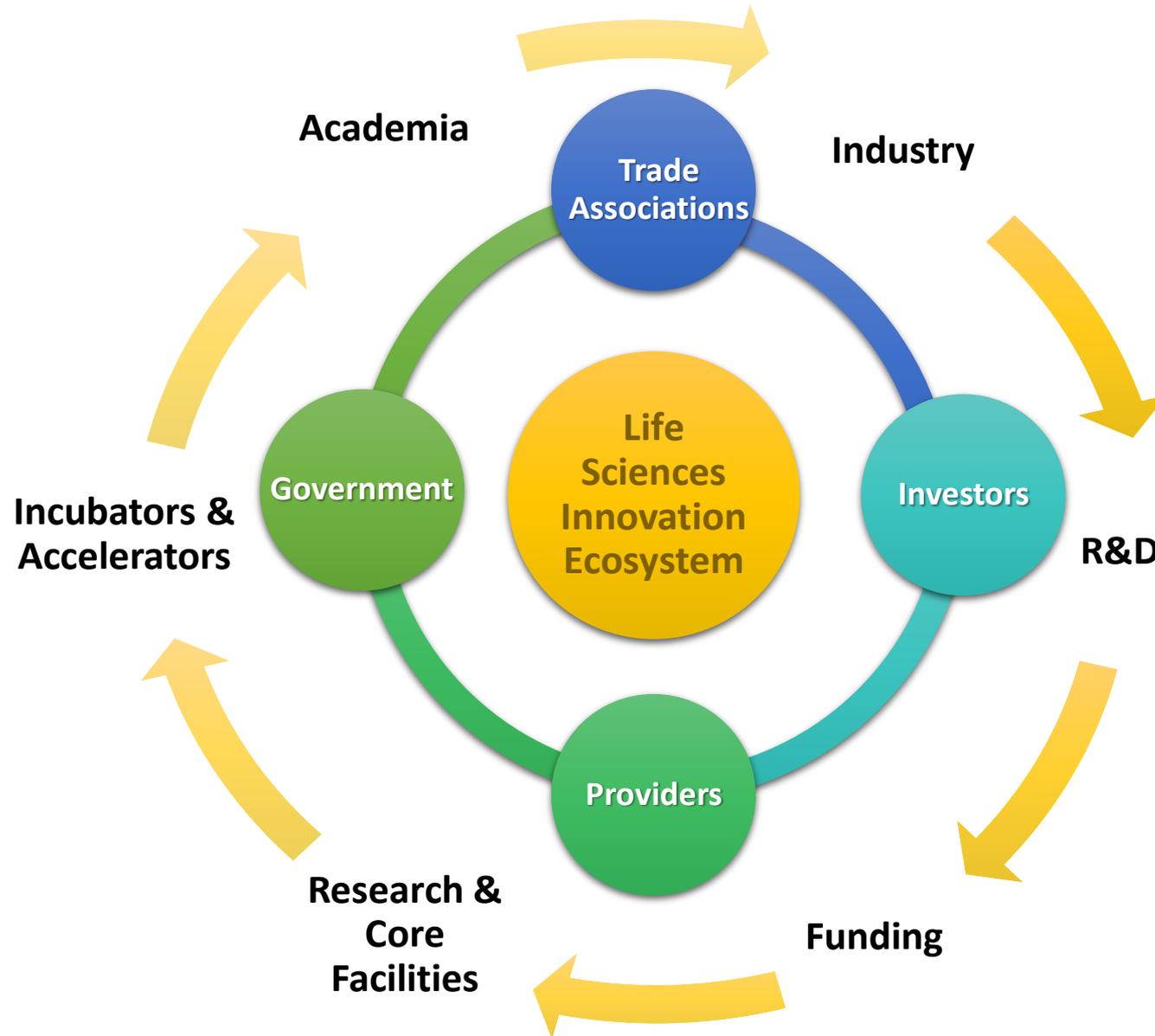


- The MLSC is an economic development agency that oversees Massachusetts' Life Sciences Initiative and makes strategic investments in the life sciences ecosystem.
- Through public-private funding initiatives, the MLSC supports innovation, education, research and development, commercialization, and manufacturing activities in the fields of biopharma, medical device, diagnostics, and digital health.
- The MLSC also assists MA-based company growth and recruits companies from around the world to establish a presence in Massachusetts.

## ***Our Mission:***

- Encourage **innovation through investments** in good science and good business
- Strengthen and protect Massachusetts' **global leadership** position in the life sciences
- Accelerate the commercialization of promising treatments, therapies, and cures that will **improve patient care**
- **Create jobs** and drive **economic development**

# The Life Sciences Ecosystem



## *Massachusetts has an unparalleled concentration of universities, research hospitals, talent, entrepreneurs, industry leaders and investors*

Massachusetts is #1 state in:

- Life Sciences Venture Capital Funds per capita
- Life Sciences Employment per capita
- Federal Research Funds per capita
- Industry R&D spending per capita
- Educational Level of Workforce

- Massachusetts is home to over 400 MedTech companies and 550 biopharma companies. 18 of the world's 20 largest biopharma companies and all top 20 medical device companies have a physical presence in Massachusetts.
- MA is a hub for more than 100 world-class hospitals, and 9 of them receive the highest amount of NIH funding each year.
- There is more than 21 million square feet of commercial lab space in Massachusetts.
- Massachusetts centers of higher education and research institutes received \$1.25 billion in NIH funding in 2017.
- There are more than 122 colleges and universities in MA.

# MLSC's Current Portfolio of Investment Programs

With a decade of investment in fostering life sciences ecosystem in MA, MLSC's programs focus on future milestones of global life sciences industry. These funding programs enable innovation and provide a platform for entrepreneurs to get to the next phase.

## Investing in Innovation Infrastructure for the Future

- Competitive Capital Program
- Building Breakthroughs
- STEM Equipment Funding

## Fostering Seed-Stage and Emerging Industry Development

- Milestone Achievement Program
- Internship Challenge
- High School Apprenticeships

## Scaling-Up Life Sciences Companies

- Tax Incentive Program
- Massachusetts Transition & Growth Program

## Strengthening Connections and Diversity of Talent

- Massachusetts Next Generation Initiative
- Project Onramp

- **Capital grants** to that enable schools and colleges to renovate labs, provide teacher professional development, and purchase state-of-the-art equipment/technology to implement innovative STEM curricula.
  - **\$18 million** awarded to **198 high schools and middle schools**
  - **\$30 million** awarded to **16 2-year/community colleges**
  - **\$165 million** awarded to **18 4-year colleges**
- **Internship Programs:**
  - *Internship Challenge* is the largest state-sponsored internship program in the world, having created over **4,000 paid internships** with nearly **800 companies**.
  - *High School Apprenticeship Challenge* sponsors **100+ internships each year for high school students**, and provides pre-internship **biotech training programs** for underrepresented students (**70% are female**).
- **STEM grants to non-profit organizations**, such as Boys and Girls Clubs, Latino STEM Alliance, Girls, Inc., Science Club for Girls, The Possible Project, and Youth Cities, to support innovative STEM programming for underrepresented youth.

**Learn more:**  
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