

Biotech in Action

Sponsor Lemelson–MIT programs to help students realize the value of biology, life science, and invention

The Lemelson–MIT Program (LMIT) partners with biotech organizations through Biotech in Action (BiA) to create online programs for students in Grades 9–12 that foster a passion for science and invention, especially in students underrepresented in STEM. Programs customized to meet the organization’s goals can be offered during the summer months, across the regular school year, or both. Students complete various activities, such as virtual lab simulations using Labster (an online tool), preparing research posters, and considering invention to improve the lives of others, while working in teams.

Students meet and interact with industry professionals and academics to gain inside views of the world of biotech. These include:

- Sponsoring companies’ employees
- MIT faculty, staff, and students
- Young inventors from other LMIT initiatives

Research and data indicate that BiA helps students:

- Expand their knowledge of the sciences
- Gather insights into college and career possibilities in the biological and life sciences

IMPACT DATA

1400

high school students served

45%

of students are from low income families

35%

self identify as racial minorities who are underrepresented in STEM fields

94%

of students strongly agreed that they developed a knowledge of biology and life science

LMIT originally launched BiA in partnership with The Biogen Community Lab in 2020 as a way of preserving summer learning opportunities for students who could no longer attend in person during the COVID-19 pandemic. LMIT continues to collaborate with the Biogen Community Lab, and invites other biotech companies to sponsor new opportunities to empower the next generation of young scientists and inventors.

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