BioBuilder

JULY 20 - JULY 31, 2026

SUMMER RESEARCH PROGRAM

WHERE STUDENTS BECOME SCIENTISTS:

- Hands-on labs and pre-professional training at BioBuilder's fully equipped bioengineering Learning Lab in Boston's Seaport District
- 9AM to 4PM, Monday-Friday, lunch provided
- 2 week program cost: $3,400
- Limited to 24 students
- Rising 10th-12th graders
- Rolling admission cycle, closing June 1st

BioBuilder emerged from MIT as a nationally recognized curriculum to teach advanced biotechnology and genetic engineering. Summer research students will use BioBuilder content to launch independent biodesign and bioengineering projects.

Taught by champion educators and PhD scientists from Harvard, Tufts, MIT, and Boston University, this program is targeted to rising 10th-12th graders who want to engineer biology to make the world a better place. Advance your path to college and careers in science.

APPLY NOW!

info@biobuilder.org biobuilder.org

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SUMMER RESEARCH PROGRAM

HANDS-ON LABS AND PRE-PROFESSIONAL TRAINING:

- Cell viability assays
- Cell growth quantification
- DNA purification
- Bacterial transformation
- PCR
- Sequence analysis
- Protein purification
- Enzymatic assays
- *In vitro* transcription-translation
- Lab documentation
- Data analysis
- Synthetic biology
- Biodesign project
- Career exploration
- Biotech company tours
- Guest speakers
- Resume writing
- Collaborative projects
- Problem solving
- Increased confidence in STEM skills
- Scientific literature
- Research presentation
- Networking and inclusion in BioBuilder Alumni Group

Summer Research Program Student Feedback:

"It was super helpful to hear from guest speakers about their educational paths"

"We had the chance to spend a lot of time in the lab while also learning the material "

Over a two week period, students gain relevant scientific knowledge and technical training with lessons that emphasize problem solving through the application of technical content, creative thinking, data analysis, and research skills.

APPLY NOW!

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