

Loeb Laboratory Groundbreaking Facts

MBL Background

- Headquartered in Woods Hole, Massachusetts, the MBL is a premier research center and training ground for tomorrow's leaders in the biological, biomedical, and environmental sciences.
- Each year the MBL trains more than 450 students, including 200 international students, as part of its education programs, which include more than 20 graduate and post-graduate laboratory courses.
- MBL alumni and faculty rank among the most innovative and successful scientists of our time. Discoveries by MBL researchers have furthered the world's understanding of biology and have been recognized with numerous awards, including the Nobel Prize.

Loeb Laboratory Background

- Loeb Laboratory is the MBL's principle facility for its unique and world-renowned discovery courses. Located in the center of the MBL's campus, Loeb has played a central role in research and research training programs since 1970.
- The renovation commencing in September will result in a state-of-the-art research training facility, greatly enhancing the MBL's capability to maintain its position as a unique and critical national resource for science training and discovery by offering an educational setting that matches the MBL's outstanding reputation.

Current Status

- Built in 1970, Loeb is a 66,000 square-foot concrete structure. The building is almost completely outmoded by current standards of laboratory practice. The basic structural aspects of the building are sound, however every interior and functional aspect of the building is outdated and wholly inadequate for fulfilling its mission. Training labs are antiquated and are not adaptable to present research requirements, and the building layout does not capitalize on opportunities for research synergies.

Facility Improvement Plan

- **Total project cost is estimated at \$25.2 Million.** The plans call for completely gutting the building, leaving only exterior walls and floor systems in place.
- This renovation will thoroughly upgrade and modernize the internal infrastructure and design, bringing all of the MBL's research-training programs into the Loeb Laboratory and creating spaces designed for each discipline.

Impact on Local Jobs & Economy

- This renovation will have both short- and long-term impact on Massachusetts jobs:
- Creates construction jobs for the renovation itself, estimated at 250 jobs at peak over the project period of 15 months. Shawmut Design & Construction (the construction firm) employs union workers.
- Will increase the influx of highly trained scientists into Massachusetts. Approximately 450 scientists are trained each year in Loeb. MBL education programs have been cited by leading scientists across the country as having a lasting and disproportionate impact on American science.

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Significant Expansion of Research Capabilities

- Training programs will be relocated to create Neuroscience and Cell Biology “Floors” that will enhance research interactions, and promote collaboration and resource sharing.
- The MBL’s highly selective Neurobiology training program will be able to accommodate more students due to increased space.
- A laboratory fully equipped for advances in computational biology, imaging and bioinformatics will be created.
- A Microscopy Center and staging site will be created for the 135 commercial vendors that each year loan more than \$20 million in high-end instrumentation to the MBL research and training programs.