



Biological Lab Technician

Emily Carter

Professional summary

Passionate Biological Lab Technician with hands-on experience in molecular biology techniques and data analysis. Eager to join Biogen in Cambridge, MA, to support advancements in biotechnology and therapeutic research.

Experience

Biological Lab Intern

January 2024 - April 2024

Biogen / Cambridge, MA

- Conducted DNA and RNA extractions for downstream molecular applications.
- Supported protein purification and analyzed results using spectrophotometry.
- Assisted in maintaining laboratory equipment and managing consumables inventory.

Teaching Assistant – Cell Biology Lab

September 2023 - December 2023

Boston University / MA

- Guided undergraduate students through laboratory experiments and ensured proper technique.
- Monitored and graded lab reports, providing constructive feedback to students.

Research Contributions

Genetic Analysis of Rare Plant Species

- Analyzed genetic diversity in endangered plants using PCR and gel electrophoresis.
- Results informed conservation strategies published in Ecological Genetics Journal.

Bioinformatics in Viral Genome Analysis

- Applied computational tools to identify mutations in viral genomes during independent coursework.

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Links

Portfolio: emilycarterbiology.com

Education

Bachelor of Science in Biology

Boston University, MA

Graduated: May 2024

- Leadership Role: Served as Vice President of the Biology Student Association, organizing peer tutoring sessions and professional workshops.
- Study Abroad: Participated in a semester at the University of Edinburgh, focusing on developmental biology research.

Skills

Proficient in PCR, ELISA, and Western blot techniques.



Competent in cell culture and sterile technique.



Familiar with bioinformatics tools: BLAST, Geneious, and R programming.



Strong documentation skills and compliance with GLP standards.



Courses

Certified Biological Technician (CBT) – NABT (2024)

Responsible Conduct of Research (RCR) Training