



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