

Job Title: Laboratory Technician and Teaching Assistant

Reports to: Lead Teacher

Academy Overview

Gloucester Biotechnology Academy offers innovative education programs based on marine molecular biology and genomics. Our nine-month vocational training program prepares high school graduates for careers as entry-level technicians in biotechnology and life science laboratories. The curriculum emphasizes immersive, hands-on application of the techniques, instrumentation, and career skills necessary for success in a professional laboratory. In addition to the vocational program, the Academy offers one-week Summer STEM courses to middle school and high school students that foster exploration, discovery, and problem-solving skills using cutting-edge molecular biology and genomics. The Academy strives to instill a sense of curiosity about the natural world and a love of science, technology, engineering, and math in all of its students.

About GMGI

Gloucester Marine Genomics Institute (GMGI) is an exciting new independent marine biotechnology research institute. Founded in 2013 by three prominent scientist entrepreneurs, with legendary experience in the biotechnology field, GMGI is positioned to influence a new era of discovery and innovation in marine genomics science.

It is envisioned that GMGI will evolve into an eminent research institute focused on using the tools of genomics and proteomics to promote sustainable fisheries and uncover new discoveries in biomedicine and biotechnology. These new opportunities will enable formation of startup companies, leveraging any resulting intellectual property and innovations, and produce a powerful economic driver that will sustain the future Cape Ann economy and offer the region's citizens with exciting new career paths. In addition, GMGI has launched a biotechnology training academy and is committed to establishing beautiful Cape Ann as a world-class science hub.

Position Summary

We are currently seeking a **Laboratory Technician and Teaching Assistant** who will become an integral member of our team, helping to deliver a laboratory-centric curriculum for both vocational and Summer STEM educational courses. This fulltime position will have critical responsibilities for reagent and lab preparation as well as the care and upkeep of the instrumentation needed to ensure successful experiments. The position will also include energetic assistance in training students in the laboratory to prepare them for careers in science. The successful candidate will have experience with instrumentation and techniques essential to molecular biology and biotechnology workflows, and exemplify the professional career skills required for success in a scientific laboratory. The candidate must work well with middle school and high school students, ages 12-17, as well as young adults, ages 18-26.

Principal Duties and Responsibilities

- Maintain laboratory workspace including organization of chemical inventory, care of equipment and instrumentation, and preparation of reagents for daily experiments.
- Instruct students on lab technique, instrumentation, and protocols.

- Provide input regarding student performance.
- Assist with validation of curriculum by troubleshooting methods at the bench and converting methods to written protocols.
- Identify novel materials and equipment needed to support curriculum and assist with ordering and maintenance of inventory.
- Set up new equipment and learn calibration and maintenance methods to assure proper operation.
- Uphold the standards of common lab safety and cleanliness.
- Assist with general administrative duties as required.

Minimum Qualifications

- Bachelor's degree or 2-3 years related lab experience in biology, chemistry, molecular biology, or biotechnology
- Experience working with modern biotechnology instrumentation and methods
- Sound understanding of accepted laboratory techniques and practices
- Passion for teaching and mentoring students
- Ability to interpret and present scientific data to individuals with a non-science background
- Basic knowledge of statistical data analysis
- Integrity towards scientific research and data quality
- Excellent written and verbal communication skills
- Enthusiastic attitude regarding teaching and mentoring students
- High energy, can-do attitude, capable of working in a dynamic start-up environment
- Enthusiasm and commitment to the GMGI mission of innovative science and education

Job Type: Full-time

Salary:

Benefits:

Posting Expires:

How to Apply: Please send a cover letter and resumé to John Doyle at john.doyle@gmgi.org.