**COURSE: BIOL-212 Scientific Methods in Biology**

**TERMS: Fall 2024 AND Winter 2025**

**POSITION: Cell Module Prep TA** *(two-term single TAship; 65 hours total)*

“TWO-TERM” TAs:

This TAship spans both the fall and winter terms and the distribution of hours may be uneven across terms. The Prep TA will be required to start working in mid-August and may need to be available on occasion over the Christmas shutdown (negotiable). Most of the work happens in September and January. Please only apply to this position if you can commit to being available for both terms. Ideally, the prep TA would also be a lab TA for the BIOL212 Cell module.

COURSE SUMMARY:

BIOL212 is a lab course supported by a blended/lecture component. Students will learn standard lab and field skills and gain experience working through the scientific method. The course is divided into 4 main modules and the prep TA will be associated with Module 1 (“Cell”), which involves working with bacteria to study CRISPR-mediated phage immunity.

SPECIFIC REQUIREMENTS:

- the prep TA should be proficient in the following skills:

* preparing materials/reagents for PCR
* gel electrophoresis
* large-scale preparation of diverse culture media and agar plates
* preparing and maintaining bacterial cultures

DUTIES of the Prep TA

* assist in technical aspects of lab set-up
* the prep TA may be required to be available early in the morning, late in the day and/or on weekends

PROFESSIONAL CONDUCT

All Biology TAs are required to adhere to the University's Code of Conduct, as described in Section 12 of the Queen's Graduate Calendar, and Section 4 of the Guide to Graduate Studies in Biology. As teachers of undergraduates, TAs are expected to recognize the seriousness of all forms of Academic Dishonesty, Harassment and Discrimination and to understand the rules governing such cases at Queen's.