

THE POSITION

MASTERS STUDENTSHIP , 18 Months minimum

September 7, 2025

A Master of Science Studentship is available in the Laboratory of Integrative Multi-Omics Research in the Faculty of Medicine, Department of Pharmacology. The focus of this lab is to model large “-omics data” that have transformed many areas of life sciences research and introduced a new conceptual framework for the generation and testing of hypotheses in molecular biology. We are interested in answering two fundamental questions regarding -omics data. These are (a) how we define the quality of data and (b) how, computationally, we reliably extract the most meaningful information from them. These questions have substantive implications and involve significant theoretical commitments. Therefore, we are looking for highly motivated students at the master's or Ph.D. level to participate in answering them. Graduates in bioinformatics are highly desirable in industrial (especially biomedical) and academic settings. Our lab operates on non-negotiable principles of inclusion and collegiality.



EDUCATION

MINIMUM GPA: 3.75 IN SCIENCE

May 2025

Applications are invited from students who have completed a BSc degree in physical sciences by May 2025 from a recognized Canadian University.

REQUIREMENTS & QUALIFICATIONS

- Must be legally entitled to work in Canada and will be residing in Nova Scotia for the duration of the studentship;
- Should have a strong computational background (Computer Programming, Statistics and Linear Algebra) with some biology or strong molecular biology background and some computational skills;
- This position is held in collaboration with the Imhotep Legacy Academy (ILA) and will, therefore, give priority to ILA alumni.
- **This studentship is targeted to: African Nova Scotian, Black, or people of African Descent;**