

MSc and Ph.D. positions

Fully funded graduate student positions in Canada

The Mer lab (<https://merlab.github.io/>) at the University of Ottawa, Canada has multiple fully funded graduate (MSc and Ph.D.) student positions available. We are looking for highly motivated and skilled individuals to work in the areas of **bioinformatics, machine learning, genomic data analysis, and personalized medicine**. We are located at the Department of Biochemistry, Microbiology and Immunology (www.uottawa.ca/faculty-medicine/biochemistry-microbiology-immunology) and part of the Ottawa-Carleton Joint Bioinformatics Program (www.bioinformatics.uottawa.ca). Students with degrees in computer science (or related fields) will also have the opportunity to enroll in the School of Electrical Engineering and Computer Science graduate program (www.uottawa.ca/faculty-engineering/school-electrical-engineering-computer-science).

Responsibilities:

Projects will focus on multi-omics data analysis using machine learning, stem cell related single cell data analysis, biomarker discovery for cancer personalized medicine, and the development of bioinformatics tools. For detailed information about our research please visit <https://merlab.github.io/Research>

Qualifications:

- Good knowledge of programming (preferably R or Python)
- Skills in genomics data analysis (e.g. RNAseq, WGS, WES) and/or machine learning
- Basic understanding of molecular biology, genomics, and omics profiling techniques
- Previous degree in bioinformatics, computer science or related disciplines will be a plus
- Good GPA
- Self-motivated and driven individual
- Excellent communication and writing skills in English. For international applicants, a valid English language test score may be required (the minimum required score for TOEFL iBT is 100 and IELTS is 7).

To apply, please send:

- Cover letter, CV, transcripts and English language test score copy
- In the cover letter and CV clearly highlight skills in programming and bioinformatics
- Email subject line should start with “Application for INSERT-POSITION-HERE”
- Send application to amer [at] uottawa [dot] ca
- All documents should be provided in PDF