

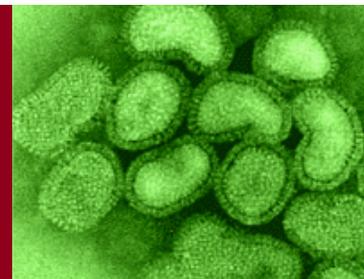


uOttawa

Faculté des sciences
Faculty of Science

BIOINFORMATICS PROGRAM

www.science.uottawa.ca/graduate/welcome-grad.html
gradsci@uottawa.ca 613-562-5800 ext.3145



M.Sc. in Bioinformatics (Thesis)

Description of Program

Bioinformatics is an emerging and increasingly important scientific discipline dedicated to the pursuit of fundamental questions about the structure, function and evolution of biological entities through the design and application of computational approaches. Fundamental research in these areas already increases our understanding of human health and disease which translates into innovation in industry (e.g. drug discovery). Bioinformaticians today must be able to appreciate research and discovery in multiple fields and therefore require an understanding of the basic principles of the disciplines that form the basis of bioinformatics.

General Admission Requirements*

Program	Degree Requirement	Minimum Average	Required Background	Deadline
MSc	Honours BSc in Bio., Computer Science, Math.Stat or equivalent	B (70-74%)		Ongoing

Research Interests

Functional genomics and proteomics, systems biology, transcriptomics, ontologies, machine learning, genome evolution, population genetics, statistical bioinformatics, parallel computing.

*Please contact the Department of your home unit (Biochemistry Micro-Biology and Immunology, Biology, Cellular & molecular Medicine, Computer Science, Mathematics and Statistics) for the detailed requirements.

Funding Policy*

	A-, A, A+		B, B+	
	MSc	PhD	MSc	PhD
Admission Scholarship	\$ 7,500	\$ 9,000		
Minimum Funding	Variable	Variable	Variable	Variable
Total	Variable	Variable	Variable	Variable

* Please contact the Office of Graduate Studies from the Faculty of Science for more details.

Highlights

This collaborative program involves:

- Ottawa-Carleton Institute of Biology
- Ottawa-Carleton Institute of Computer Science
- Ottawa-Carleton Institute of Mathematics and Statistics
- University of Ottawa Cellular and Molecular Medicine graduate program
- University of Ottawa Biochemistry graduate program
- University of Ottawa Microbiology and Immunology graduate program.

PERSPECTIVES



Oksana Korol

Hometown: Toronto, ON

Computational identification of motifs in non-coding

Bioinformatics program at the University of Ottawa first appealed to me for its collaborative nature, which would ensure easy access to the knowledge and resources of both University of Ottawa and Carleton University. The fact that it is situated in the national capital – the center for bioinformatics and biomedical research was also a great advantage. Once I have started the program I was impressed by the resources and the support the University provides - from the cutting edge equipment to the very helpful and knowledgeable faculty.