

Laboratory Medicine and Pathobiology

MSc, PhD



At Laboratory Medicine and Pathobiology (LMP), you choose your research path - whether it's basic, translational, or clinical. As one of the largest and most diverse departments of its kind, LMP offers you unprecedented opportunities to pursue your MSc or PhD degree. We occupy a special place at the interface between basic biomedical science and clinical practice, with research and clinical scientists located on campus and throughout our affiliated hospitals and research institutes.

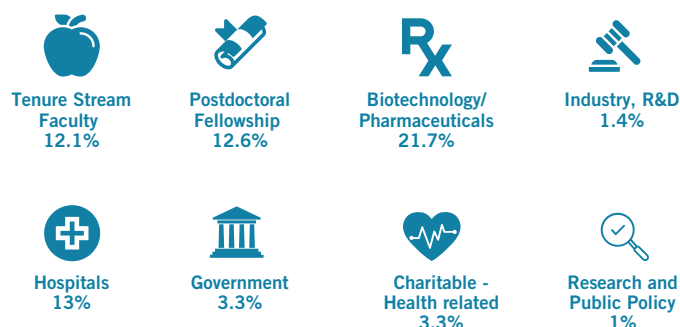
Join our 390+ world-renowned research-active faculty and 250 graduate students pursuing basic, translational, and clinical research. We are engaged in exciting areas of investigation ranging from molecular and cellular biology, to genomics and bioengineering, that will improve our understanding of fundamental processes and our ability to treat human diseases such as neurological disorders, cardiovascular disease, infectious diseases, diabetes and cancer.

Machine learning and artificial intelligence will play a core role in medical research and patient care in the near future. We are proud to have the Temerty Centre for Artificial Intelligence Research and Education in Medicine (T-CAIREM) based in our department.

We train our research-stream graduate students to think critically and to communicate effectively. As an LMP student, you will be a member of our student union, Confederation of Laboratory Medicine & Pathobiology Students (CLAMPS), that offers academic and research support to all of its members, as well as social and wellness events throughout the year.

Potential career paths

In 2016, the School of Graduate Studies (SGS) tracked the career outcomes of 10,000 PhD students who graduated from the University of Toronto between 2000 to 2015. Below are the career trajectories of alumni from the PhD program in Laboratory Medicine and Pathobiology (n = 207).



By the numbers



Application Deadline

ADMISSIONS	ROUND 1	ROUND 2
Fall 2024	February 1, 2024	June 1, 2024

Alumni profile

Dr. David Douda, PhD Graduated 2013



I was very impressed with the depth and breadth of research work that occurs at LMP. The number one reason for choosing to do my PhD at LMP was the research topic of my PhD supervisor. Additionally, the department, as a whole, is very student focused and provides a lot of support. It was also apparent that the LMP student body is a very close knit social group, which made it an easy choice for me.

I learned how to be a critical thinker and a good scientist because of my PhD training at LMP. There are so many essential skills above and beyond bench science that are critical in your success as a professional, no matter what career path you take. LMP has a breadth of training/workshops that were very helpful, such as networking, negotiations, and oral presentations. Furthermore, this program provides the opportunity to become extremely resilient. It will test you in many ways. I'm glad I was in LMP because of the support I received from the program, as well as my peers, making this tough process so enjoyable.



How to Apply:
[Imp.utoronto.ca/graduate](https://imp.utoronto.ca/graduate)
 Email: Imp.grad@utoronto.ca