GRADUATE STUDIES
2023/24 INFORMATION SHEET

MICROBIOLOGY AND IMMUNOLOGY

MSc, PhD

A graduate degree is your first step to embarking on a lifetime of scientific achievement. This is a great time to be pursuing research in microbiology and immunology. New technologies and experimental tools are enabling scientists to make unprecedented advances in understanding fundamental biological processes that directly impact human health. However, infectious diseases continue to challenge our best scientists and physicians and emerging/re-emerging pathogens are daily features in world news.

Microbiology and Immunology offers a research-intensive program that will provide you with the opportunity and cutting-edge resources for graduate level research on many of the most significant problems in biomedical science. You can take part in answering questions such as: How do micro-organisms interact with their hosts detrimentally or beneficially? How does the host respond to infection or transplantation and what is the basis of autoimmune disease? How is normal cell growth restriction perturbed in tumour cells?

You will also work with and be mentored by award-winning faculty in a highly collaborative research environment. And join your peers, faculty and world leaders in relevant scientific areas to participate in the Department's weekly Infection and Immunity Seminar Series, as well as the annual Infection & Immunity Research Forum.

CAREERS

With your graduate training in Microbiology and Immunology you can pursue professional school, post-doctoral research and advanced training or careers as a:

- Technician, Research Associate or Scientist in industry or academia
- Government Policy Advisor or Researcher
- Clinical Trials Coordinator or Consultant
- Business and Management Consultant
- Intellectual Property Specialist
- Grants or Contracts Officer
- Bacteriologist/Virologist
- Science Publisher

Graduates from our programs have pursued careers as a:

- Doctoral Professional Development Coordinator, Western University
- Regulatory Affairs Associate, Intrinsik Corporation
- Faculty member, McGill University

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MICROBIOLOGY AND IMMUNOLOGY

	MSc	ONE-YEAR PROJECT AND COURSE-BASED MSc	PhD
TIME TO COMPLETION	6 Terms (2 years)	3 Terms (1 year)	12 Terms (4 years)
ADMISSION REQUIREMENTS	• Honours Bachelor degree, or equivalent, in Microbiology, Immunology or some other biological sciences program (holders of MD, DDS, or DVM degrees are also eligible to apply) • Minimum high B average from the undergraduate degree	• Must be a fourth-year Honours Bachelor of Medical Science Student at Western University with an honors research thesis component • Minimum high B average from the undergraduate degree	• Honours Bachelor degree, or equivalent, in Microbiology, Immunology or some other biological sciences program (holders of MD, DDS, or DVM degrees are also eligible to apply) • Minimum high B average from the undergraduate degree
APPLICATION DEADLINES	**July 31** – Fall Term **March 31** – Summer Term **November 1** – Winter Term	**March 15** – Summer Term	**July 31** – Fall Term **March 31** – Summer Term **November 1** – Winter Term
FUNDING	**Students may be eligible for:** • Base Stipend • Western Graduate Research Scholarship • Ontario Graduate Scholarship • Teaching Assistant Stipend • Research Assistant Stipend • Internal and External Scholarships		

Students are not required to have a supervisor identified to apply to the MSc programs. If a student is accepted into the program, matching with a supervisor will be the next step. However, we strongly encourage students to get in touch with faculty members as potential supervisors to learn more about their research and identify a potential fit.

Please visit our website at **schulich.uwo.ca/microbiologyandimmunology** or send an email to **gradstudies@schulich.uwo.ca** for more information.