

Biomedical & Molecular Sciences PhD Map

Applying to and Navigating Graduate Studies

GRAD MAP FOR PhD STUDENTS 

Why GRADUATE STUDIES in BIOMEDICAL & MOLECULAR SCIENCES?

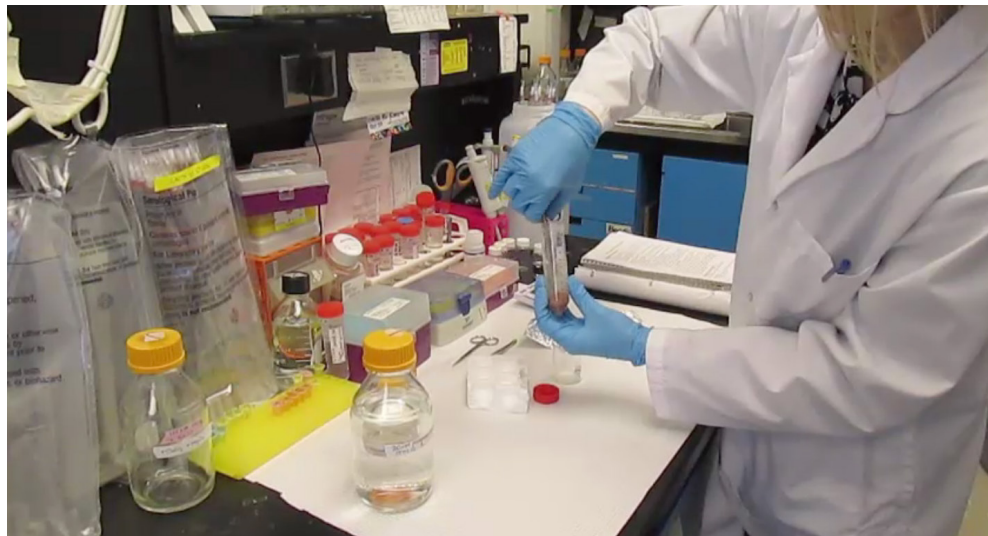
Graduate students and their work are an important part of an ongoing research process that provides the scientific community with ways of understanding fundamental biomedical and molecular processes underlying normal cellular and microbial processes, organ system function, and human disease. The faculty, staff, and trainees in Biomedical and Molecular Sciences are engaged in world-class research and teaching, attracting, and mentoring the best students, the finest educators, dedicated support staff, and internationally-competitive researchers. We value curiosity, creativity, commitment, and collegiality.

Why QUEEN'S?

The Biomedical and Molecular Sciences Department at Queen's provides a cross-disciplinary environment and delivers the programs in a collaborative and integrated manner. This interdisciplinary approach gives candidates access to over 80 faculty

"DBMS provides graduate trainees the opportunity to conduct novel research in a collaborative, inclusive, and close-knit environment. Faculty promote cross-disciplinary learning by ensuring students are exposed to various scientific themes and cutting edge research techniques."

– Rylend Mulder, PhD Candidate



members engaged in a broad spectrum of biomedical research, using techniques to address questions concerning single molecules, cellular/microbial function, organ-systems, and whole-animal biology.

- Therapeutics, Drug Development, and Human Toxicology: focuses on the effects, both beneficial and deleterious, of chemicals including drugs and environmental contaminants, on human health.

Program STRUCTURE

PhD (4 years, full time): Research and comprehensive exam, thesis, and oral defense.

We encourage you to identify an area of research interest and contact a potential supervisor before applying.

Fields of SPECIALIZATION

- Biochemistry and Cell Biology: focuses on understanding the fundamental processes of life and human disease.
- Experimental Medicine: employs interdisciplinary methods to explore the processes responsible for both the normal and diseased state.
- Microbes, Immunity, and Inflammation: focuses on questions at the cellular and molecular level involving viral and bacterial organisms and the immune system.
- Reproduction and Developmental Sciences: spans clinical and basic science, with a focus on fertilization and embryo implantation, perinatal health, women's health, and more.



Visit the [Biomedical and Molecular Sciences website](#) to read faculty profiles, and learn more about faculty members' research areas and research groups. When you find a faculty member with similar research interests to yours, contact them and tell them about your interest in graduate work and related experience.

See the [Biomedical and Molecular Sciences Graduate Student Handbook](#) online for more detailed information about the program.

Biomedical & Molecular Sciences PhD Map

DOCTOR OF PHILOSOPHY (PhD)



How to use this map

Use the 5 rows of the map to explore possibilities and plan for success in the five overlapping areas of career and academics. To make your own custom map, use the My Grad Map tool: careers.queensu.ca/gradmaps.

Graduate Studies FAQs

How do I use this map?

Use the Grad Map to plan for success in five overlapping areas of your career and academic life. Everyone's journey is different - the ideas on the maps are just suggestions to help you explore possibilities. For more support with your professional development, take advantage of the SGSPA professional development framework and the new Individual Development Plan (IDP) process to set customized goals to help you get career ready when you graduate.

Where can I get help?

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming environment offers the programs and services you need to be successful, both academically and personally. Check out the [SGSPA website](#) for available resources.

What is the Queen's graduate community like?

At Queen's, graduate students from all disciplines learn and discover in a close-knit intellectual community. You will find friends, peers and support among the graduate students enrolled in Queen's more than 130 graduate programs within 50+ departments & research centres. With the world's best scholars, prize-winning professional development opportunities, excellent funding packages and life in the affordable, historic waterfront city of Kingston, Queen's offers a wonderful environment for graduate studies. Queen's is an integral part of the Kingston community, with the campus nestled in the core of the city, only a 10-minute walk to downtown with its shopping, dining and waterfront. For more about Kingston's history and culture, see Queen's University's Discover Kingston page.

Application FAQs

What do I need to know to APPLY?

ACADEMIC REQUIREMENTS

- A Master's degree is normally required for admission to the PhD program. In certain circumstances, direct admission to the PhD program is possible.

ADDITIONAL REQUIREMENTS

- If English is not a native language, prospective students must meet the English language proficiency requirements in writing, speaking, reading, and listening. The following minimum scores are required: (1) TOEFL iBT: Writing (24/30); Speaking (22/30); Reading (22/30); Listening (20/30). Applicants must have the minimum score in each test as well as the minimum overall score, or (2) IELTS: 7.0 (academic module overall band score and a 7.0 for each test band), or (3) PTE Academics: 65, or (4) CAEL CE -70 (minimum overall score).

KEY DATES & DEADLINES

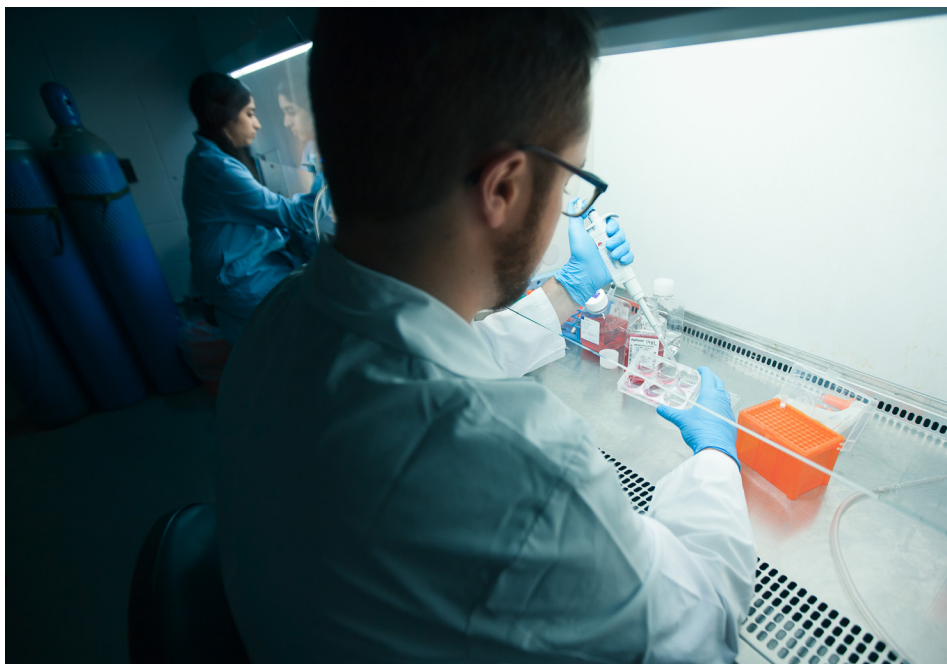
- **Application due:** March 1st (To be considered for internal awards). Flexible deadline.
- **Notification of acceptance:** Pending confirmation of a supervisor.

Before you start your application, please review the Graduate studies application process.

What about FUNDING?

Doctoral students are currently guaranteed a minimum stipend of \$28,500 per year for years 1-4. This includes \$4,500 in TAsip earnings per year.

We encourage all students to apply for external funding from OGS, SSHRC, and other sources. For more information, see the School of Graduate Studies and Postdoctoral Affairs' information on awards and scholarships.



Queen's
UNIVERSITY

DEPARTMENT OF
BIOMEDICAL &
MOLECULAR SCIENCES

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