How do I USE THIS MAP?

Whether you are considering or have embarked on graduate studies at Queen's, use this map to plan for success in five overlapping areas of your career and academic life. The map helps you explore possibilities, set goals and track your individual accomplishments. Everyone's journey is different – the guide offers options for finding your way at Queen's and setting the foundation for your future. To make your own customized map, use the online My Grad Map tool.

Why GRADUATE STUDIES in PATHOLOGY & MOLECULAR MEDICINE?

Graduate students and their work are an important part of an ongoing research process that provides the community with ways of understanding natural, cultural, imaginative, social and technological phenomena. Graduate students in Pathology and Molecular Medicine have opportunities to pursue comprehensive training in basic and translational biomedical research. They pursue advanced degrees under the supervision of an exceptional group of basic, clinical and translational researchers.

Why QUEEN'S?

Learn first-hand how the fast pace of molecular genetic research is changing clinical practice, leading to exciting new diagnostic and treatment approaches for cancer and other diseases.

Queen’s is a great setting to learn first-hand how the fast pace of molecular genetic research is changing clinical practice, leading to exciting new diagnostic and treatment approaches for cancer and other diseases. With a focus on cancer – 12 of our 20 investigators are cancer biologists – our department members deliver comprehensive diagnostic laboratory and clinical services to Southeastern Ontario through the Kingston General Hospital, offering great training for the next generation of biomedical research scientists and laboratory physicians.

Why KINGSTON?

Described by students as both "quaint" and "eclectic," Kingston is big enough to provide all the conveniences of modern life, and small enough for students, staff, and faculty to feel instantly comfortable and at home.

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.

Program STRUCTURE

MSc (2 years): Course work, research demonstrating experimental competence, and a thesis.

Research AREAS

- Cancer Research and Developmental Biology
- Human Genetics and Cytogenetics
- Hemostasis, Thrombosis Research, and Vascular Biology
**Pathology & Molecular Medicine M.Sc. MAP**

**GETTING STARTED**
- **ACHIEVE YOUR ACADEMIC GOALS**
  - Start with key priorities like developing your relationship with your supervisor, forming your committee, and doing your coursework.
  - Consider how your course papers can contribute to your Master’s thesis.
  - Find your way through the academic process with help from your supervisor, forming your committee, and doing your coursework.

- **MAXIMIZE RESEARCH IMPACT**
  - Attend or present at a graduate conference such as the Canadian Cancer Research Alliance (CCRA).
  - Consider participating in the 3 Minute Thesis (3MT) competition.
  - Expand your research audience through social media.

- **BUILD SKILLS AND EXPERIENCE**
  - Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups like the Material Matters.
  - Explore how you can connect with your community through experiential opportunities on- and off-campus.

- **ENGAGE WITH YOUR COMMUNITY**
  - Participate in your graduate and professional community through activities such as graduate student outreach programs, organizing conferences, and research groups like the Material Matters.
  - Find your way through the academic process with help from the Centre for Teaching and Learning, the SGS Blog, or the SGS Habitats.

- **LAUNCH YOUR CAREER**
  - Find a career that fits your skills, experiences, and competencies.
  - Use a Research Assistant or Teaching Assistant position to develop your research or teaching skills.
  - For help with teaching, get support from the Centre for Teaching and Learning.

**INTERMEDIATE STAGE**
- **WRAPPING UP**
  - Present your research to Pathology & Molecular Medicine graduate students and faculty.
  - Complete and defend your Master’s research thesis.

- **EMPOYABILITY SKILLS**
  - Communication: effective and clear in written, oral, and multimedia forms, for diverse audiences.
  - Information management: prioritize, organize, and synthesize large amounts of information.
  - Time management: meet deadlines and responsibilities despite competing demands.
  - Project management: develop ideas, gather information, analyze, critically appraise findings, draw and act on conclusions.
  - Creativity and innovation: to address complex, multifaceted challenges.
  - Perseverance: to work through challenges to achieve desired outcome.
  - Independence and experience: as a collaborative worker.
  - Awareness and understanding: of sound ethical practices, social responsibility, and cultural sensitivity.
  - Professionalism: in all aspects of work, research, and interactions.

Visit careers.queensu.ca/gradmaps for the online version with links!
Where Can a Graduate Degree Take Me?

A Master's degree in Pathology & Molecular Medicine can take your career in many directions. Many of our MSc students choose to continue their academic inquiry with a PhD. Our Master's students are equipped with a strong foundation for careers in:

- Health Care (Hospital clinical labs)
- Pharmaceutical companies
- Academic labs
- Scientific supply companies
- Administration in academic, health care or government settings
- Teaching positions in academic institutions or the private sector
- Technical positions in academic institutions or the private sector
- Marketing positions in private sector companies

Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

M.Sc. Career Outcomes in Health Sciences