

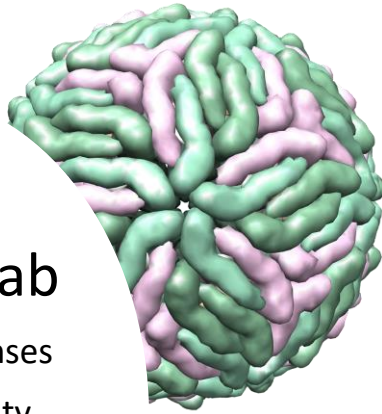
Introduction to Graduate Studies

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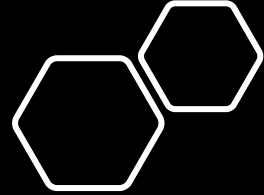
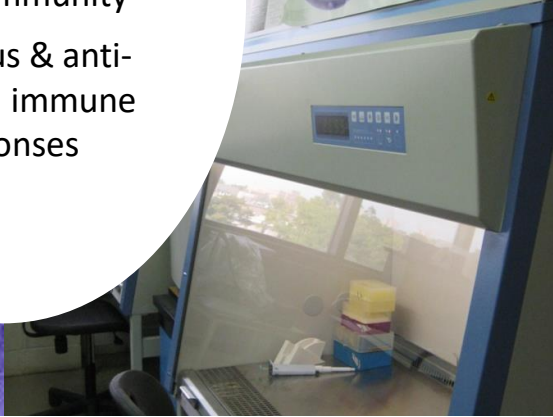
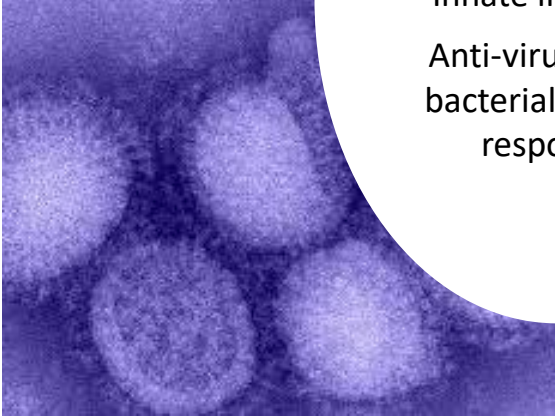


The Gee lab

Cytokine responses

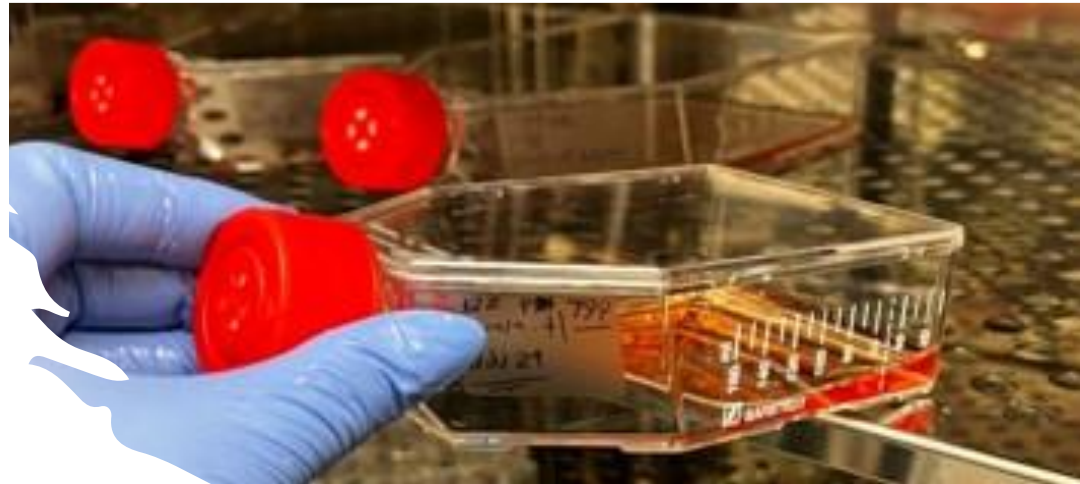
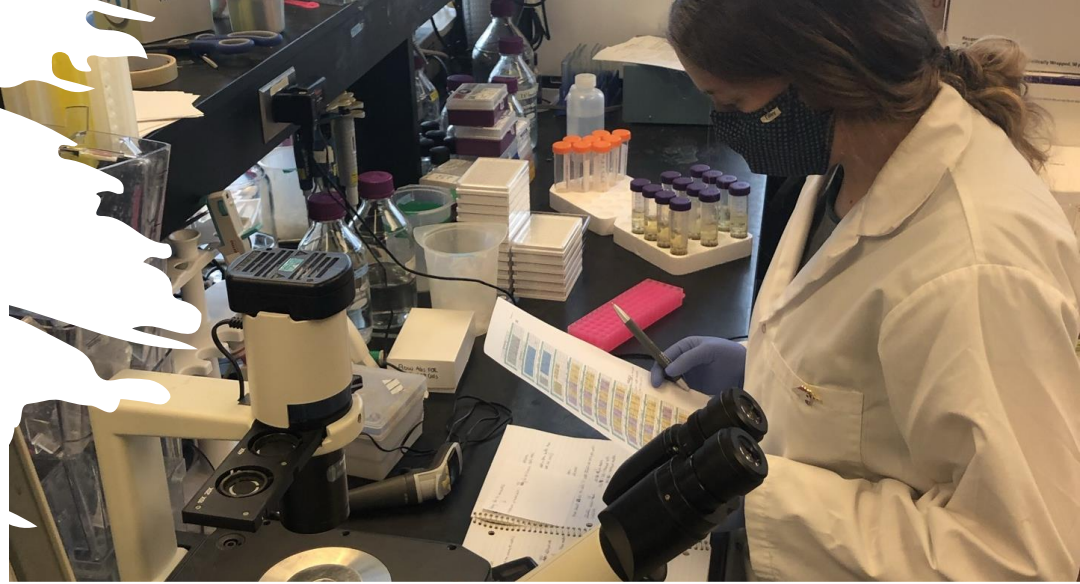
Innate immunity

Anti-virus & anti-
bacterial immune
responses



What does graduate studies entail?

- Applying knowledge from undergrad to research
- Developing skills useful for a wide range of future endeavors
- Reading scientific literature
- Teaching
- Writing skills (abstracts; papers; etc)
- Presentation skills (posters; seminars)



What does graduate studies entail?

- Some programs are course based, most require a substantial research (practicum) component
- MSc ~16-24 months (program-dependent)
- PhD ~4-5 years
- Stipends (program-dependent)
- Conference attendance



ASM Microbe provides a one-of-a-kind forum to explore everything from basic microbiology to translation and application.
Source: American Society for Microbiology



Glycobiology 2023: Transformative Advances in the Biological Functions of Glycans

November 5-8, 2023
Hilton Waikoloa Village Resort, on the big island of Hawaii

A word cloud featuring various career-related terms. The most prominent word is "scientist" in large, light blue letters. Other significant words include "research" in green, "communicator" in orange, "health" in orange, "science" in white, and "pharma" in white. Smaller words include "specialist", "diagnostic", "policy", "clinical", "coordinator", "allergist", "physician", "public", "patent", "law", "developer", "infection", "government", "biology", "application", "bioanalyst", "education", "academic", "laboratory", "analyst", and "education".

What are
my career
options
after grad
school?

Aerial view of a university campus, likely Queen's University, featuring a large green lawn, several buildings, and a central tower. The image is presented in a circular, fisheye perspective.

How do I apply?

- complete the online application located at:
<https://www.queensu.ca/grad-postdoc/>
 - helpful information on registration, fees, awards, cost of living and information for international students
- 2 reference letters required
 - Choose referees who know you well
 - your project supervisor or faculty with whom you have interacted
 - someone who evaluated your presentation/writing/research skills
- Identify and contact a potential supervisor (recommended, but not always a requirement)
- Deadlines for applications are program dependent (some are firm, some are flexible)
- ***DBMS deadline is March 1***



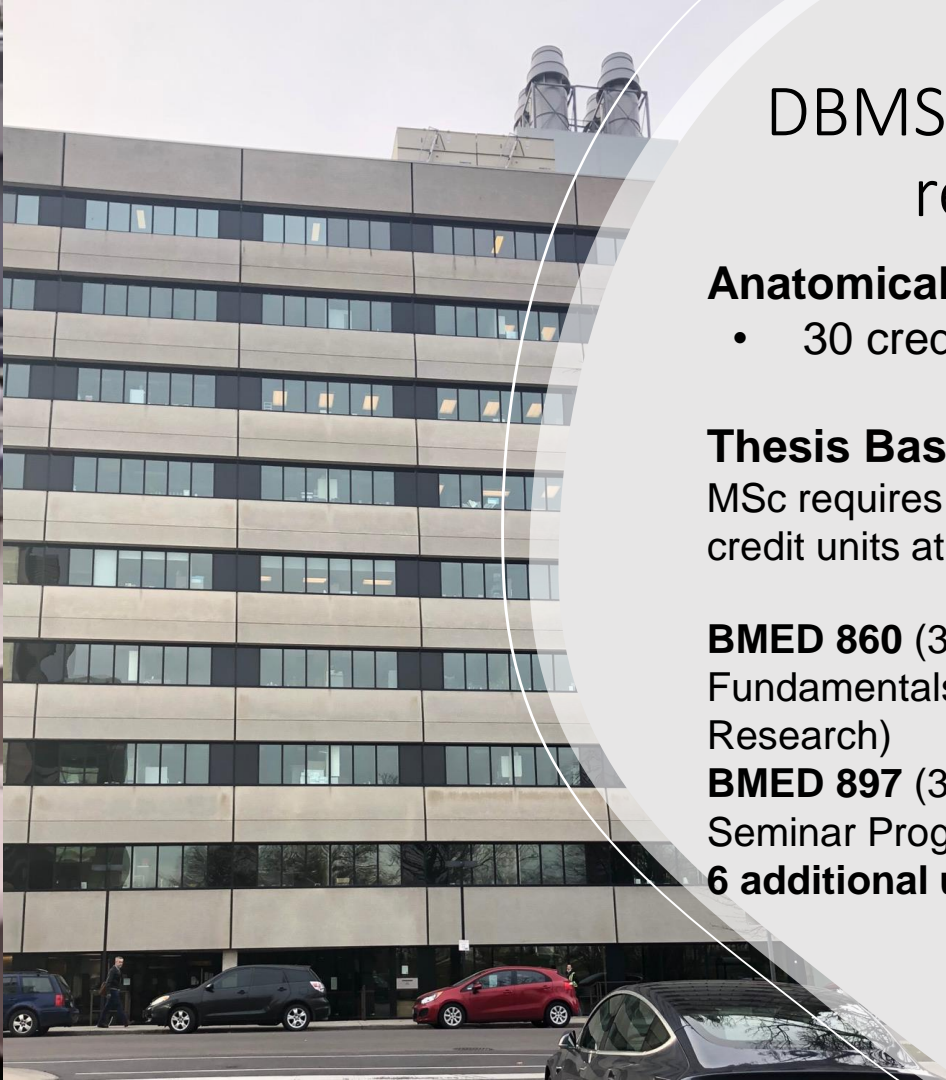
DBMS programs

MSc (Anatomical Sciences)

- 16 months long
- Program structured around three pillars of competency (content, pedagogy, inquiry) designed to educate students interested in the art of teaching and designing curricula in the anatomical sciences.

Thesis-based MSc & PhD research degree

- students choose one of the following Fields of Specialization, which represent the current research strengths of the Department:
 - Biochemistry and Cell Biology
 - Experimental Medicine
 - Microbes, Immunity, and Inflammation
 - Reproduction and Developmental Sciences
 - Therapeutics, Drug Development, and Human Toxicology



DBMS MSc Course requirements

Anatomical Sciences:

- 30 credit units

Thesis Based Degrees:

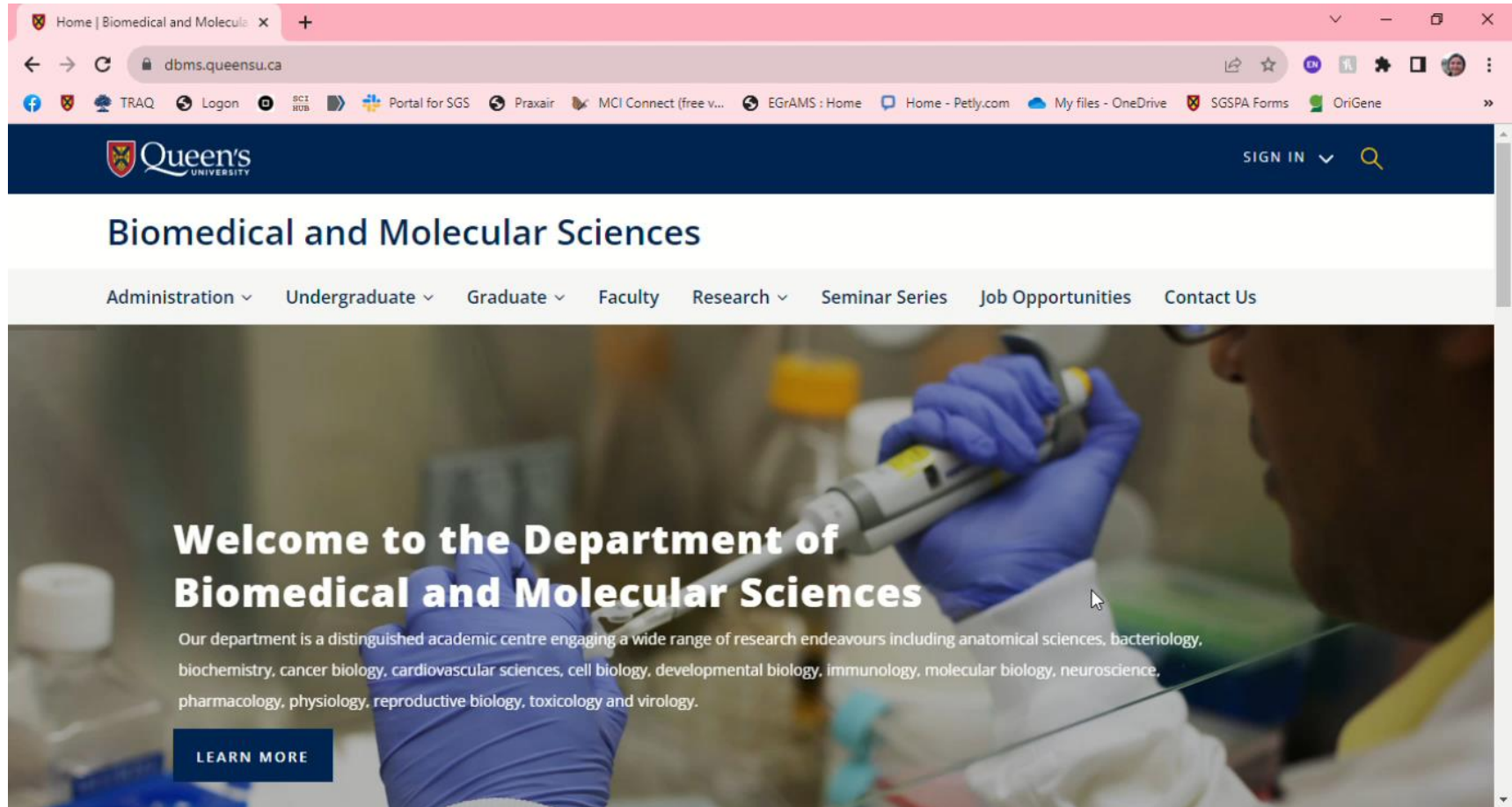
MSc requires a minimum of 12 credit units at the graduate level:

BMED 860 (3 credit units, Fundamentals of Academic Research)

BMED 897 (3 credit units, DBMS Seminar Program)

6 additional units

The DBMS graduate student handbook



The image shows a browser window displaying the homepage of the Department of Biomedical and Molecular Sciences at Queen's University. The browser's address bar shows the URL 'dbms.queensu.ca'. The website header features the Queen's University logo and a 'SIGN IN' button. Below the header is a navigation menu with the following items: Administration, Undergraduate, Graduate, Faculty, Research, Seminar Series, Job Opportunities, and Contact Us. The main content area features a large background image of a scientist in a lab coat and blue gloves using a pipette. Overlaid on this image is the text: 'Welcome to the Department of Biomedical and Molecular Sciences'. Below this text is a paragraph describing the department's research focus: 'Our department is a distinguished academic centre engaging a wide range of research endeavours including anatomical sciences, bacteriology, biochemistry, cancer biology, cardiovascular sciences, cell biology, developmental biology, immunology, molecular biology, neuroscience, pharmacology, physiology, reproductive biology, toxicology and virology.' At the bottom left of the main content area is a dark blue button with the text 'LEARN MORE'.

Home | Biomedical and Molecu... x +

dbms.queensu.ca

TRAQ Logon SCI HUB Portal for SGS Praxair MCI Connect (free v... EGrAMS : Home Home - Petly.com My files - OneDrive SGSPA Forms OriGene

Queen's UNIVERSITY SIGN IN

Biomedical and Molecular Sciences

Administration Undergraduate Graduate Faculty Research Seminar Series Job Opportunities Contact Us

Welcome to the Department of Biomedical and Molecular Sciences

Our department is a distinguished academic centre engaging a wide range of research endeavours including anatomical sciences, bacteriology, biochemistry, cancer biology, cardiovascular sciences, cell biology, developmental biology, immunology, molecular biology, neuroscience, pharmacology, physiology, reproductive biology, toxicology and virology.

LEARN MORE

How do I choose a supervisor?



Identify someone whose research interests you

Visit faculty websites

Read papers and look up corresponding authors



Speak to others who work with (or have worked with) your potential supervisor



Email and ask if they are accepting new students

Attach your CV

Attach a copy of your transcript

Explain why you would like to work under their supervision

Combined DBMS BScH or BHScH/MSc program

- Step 1: apply to combined program → deadline December 1 2024
 - Eligibility:
 - overall A- average or gpa of 3.7 in previous 4 completed academic terms
 - Have a supervisor or co-supervisor in DBMS (either primary appointment or cross-appointed) who has agreed to supervise them throughout their 499/59x and BScH or BHScH/MSc program
- Step 2: apply for graduate school → deadline March 1 2025
 - Eligibility:
 - Maintain overall A- average and demonstrate significant research productivity in 4th year thesis project
- Courses during 4th year: allowed to take up to 2 graduate level courses that will count for BOTH undergraduate credits and graduate course credits
 - Only 1 of these courses can be a combined 400/800 level course, the rest must be 800 level courses
- Applications (Step 1): Email Wendy Cumpson the following: your transcript, 200 word description of research project, indicate supervisor's name, and identify graduate courses for enrollment. Supervisors must also provide a separate email confirming willingness to support you.
- <https://dbms.queensu.ca/graduate/programs/combined-bschmsc-program>

Funding & Awards

- Canadian Institutes for Health Research (CIHR), NSERC
 - *these are “Tri-Council” awards*
- Ontario Graduate Student Scholarship (OGS)
- Queen’s/DBMS Internal Awards

More information:

- <https://www.queensu.ca/grad-postdoc/grad-studies/funding/awards-bursaries>



CIHR IRSC

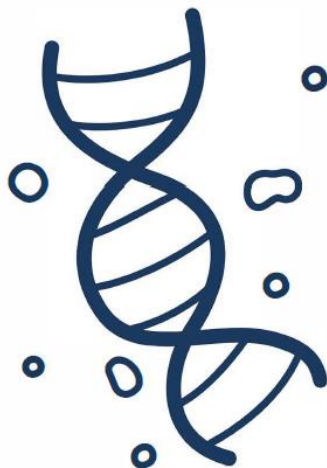
 Canadian Institutes of Health Research / Instituts de recherche en santé du Canada

Funding & Awards

Stipends:

- Vary by program and department
- **DBMS** minimum guaranteed stipends:
 - MSc: \$25,500
 - International MSc students \$30,500
 - PhD: \$28,500





Graduate Programs

Open House

November 26

@ 4:30 - 6:30PM

David Walker Atrium in
School of Medicine

**Get your questions answered in live
1-on-1s with reps from some of our
amazing graduate programs!**

**Participating
programs**

1. Aging and Health (GDip, MSc, PhD)
2. Biomedical & Informatics Program (GDBI, MBI)
3. Biomedical & Molecular Sciences (MSc, PhD, G.Dip)
4. Cancer Research (MSc, PhD)
5. Health Quality (MSc, PhD)
6. Neuroscience Studies (MSc, PhD)
7. Nursing (PhD, PHCNP Dip, MNSc, MN(PHCNP))
8. Occupational Therapy (MSc)
9. Pathology & Molecular Medicine (MSc, PhD)
10. Physical Therapy (MSc)
11. Public Health Sciences (MSc, PhD, M.PH)
12. Rehabilitation and Health Leadership (DSc)
13. Rehabilitation Science (MSc, PhD)
14. Translational Medicine (MSc, PhD)