

BIOMEDICAL AND MOLECULAR SCIENCES

Facilities

The Department of Biomedical and Molecular Sciences (DBMS) is located in Botterell Hall, which also houses the Bracken Health Sciences library and excellent animal care facilities. Students in the DBMS graduate program will have access to infrastructure and expertise from 58 primary DBMS faculty members, which includes 4 Tier I and 3 Tier II Canada Research Council Chairs, in the Centre for Cardiac, Circulation, and Respiratory Science, the Gastrointestinal Disease Research Unit, the Centre for Neuroscience Studies, the Research Group in Reproduction, Development, and Sexual Function, the Protein Function and Discovery Facility and the Divisions of Cardiology, Gastroenterology, Emergency Medicine, Neurology and Respiriology in the Faculty of Health Sciences. In addition to the unique equipment found in the laboratories of participating faculty, additional resources available to students include a common animal care facility, common autoclaves, common and individual bacterial incubators, common and individual centrifuges, common cold rooms, common confocal microscopes, common and individual fluorescent microscopes, common dark rooms, common and individual gel documentation systems, a common electron microscopy.

Financial Assistance

Graduate students are encouraged to apply to external granting agencies for fellowships and studentships. Research assistantships from grants held by members of faculty, and teaching assistantships, are available. Thesis based graduate students enrolled in the DBMS graduate program will receive funding packages to assist with living expenses and coverage of tuition: MSc - \$21,000 minimum stipend; PhD - \$24,000 minimum stipend. Additionally, graduate students will be guaranteed teaching assistantships on top of the minimum stipend.

Fields of Research

Both master's and doctoral students may choose to concentrate on one of the following fields of study:

- Biochemistry and Cell Biology
- Experimental Medicine
- Microbes, Immunity and Inflammation
- Reproduction and Developmental Sciences
- Therapeutics, Drug Development, and Human Toxicology