



## Graduate studies in MEDICAL BIOPHYSICS

<http://medbio.utoronto.ca>

Medical Biophysics is an interdisciplinary graduate department in the Faculty of Medicine at the University of Toronto. Our research applies fundamental investigations in the biological and physical sciences to address problems of medicine. Our scientists work in Research Institutes including the Princess Margaret Cancer Centre, Sunnybrook Research Institute, Ontario Institute for Cancer Research, Hospital for Sick Children, The Toronto General Hospital, Rotman Research Institute and Mount Sinai Hospital.

The focus of the department is on research. The M.Sc. program is a common entry point, but the emphasis is on the Ph.D. program. Our graduates hold leading position in fields ranging from Academia, Pharma & Biotechnology to Government, Education and Professional practice (Medicine, Law and Business). Graduate research cuts across the conventional boundaries of physics, engineering, chemistry, mathematics, biology and medicine. Interdisciplinary research is at the heart of our program. The Department emphasizes both basic and translational research.

**Major Research Themes** include: **Biomedical Imaging, Cancer Diagnosis & Therapy, Cancer Mechanisms & Models, Cardiovascular Sciences, Data Science & Computational Biology, Image Guided Therapy & Device Development, Neuroscience, Stem Cells & Regenerative Medicine, and Structural Biology.**

### Medical Biophysics in Numbers

- 240 graduate students
- 120 faculty members
- \$100 million per year in external funding
- 1,000 publications per year

### Stipend/Funding

All accepted students receive a minimum stipend. This stipend for the 2019-20 academic year is \$27,418 for MSc. and \$29,592 for PhD students. From this stipend students will pay their tuition (\$7,850 for domestic MSc, PhD and International PhD). Effective September 2020 the supervisor will be responsible for the payment of the full tuition fee differential for international MSc students. The Department encourages students to apply for all financial awards for which they are eligible (NSERC, CIHR, OGS, etc). If you receive a competitive scholarship, the department will give you a top-up incentive of up to \$4,000 above the minimum stipend amounts. Scholarships with values above the minimum stipend are kept by the student.

## Applying to Medical Biophysics

The department welcomes applications from graduates in any of the biological or physical sciences including: biology, physics, engineering, chemistry, mathematics, genetics, immunology, biochemistry, medicine, computer sciences, or related sciences, and evaluates them both on academic record and potential for creative research. Most students have at least an **B+ average** in their final two years as undergraduates, but this guideline is flexible, especially for applicants who have demonstrated exceptional aptitude for research.

To apply, you will need to submit an online application at <https://medbio.utoronto.ca/apply>

### A complete application includes:

- SGS online application and fee
- Two references (completed by faculty members and/or research supervisors who are able to assess your potential for graduate studies)
- Letter of intent summarizing your academic achievements, research interests, and details of any related research experience.
- A list of up to 5 faculty member(s) whom you would like to work with in the letter.
- CV
- Transcripts and other relevant documents.

## Deadline to apply for September 2020 admission

Students are encouraged to submit a complete application by November 26 or January 8 for early acceptance. We will continue to accept applications until March 20, 2020. Alternatively, but less common (~10% of students), applications can also be submitted for a January 2021 start date (deadline is October 1, 2020).

### Contact Information

#### Admissions office

Department of Medical Biophysics  
MaRS Centre, PMCRT  
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