



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 Hospital Research Institutes which offer unique resources for translational biomedical science. These include 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 reclassification into the Ph.D. program. Our graduates move on to hold leading positions in diverse fields, ranging from Academia, Pharma & Biotechnology to positions in Government, Professional fields (Medicine, Law and Business), and Education. The department offers opportunities for graduate research, which often cut across the conventional boundaries of physics, engineering, chemistry, mathematics, biology and medicine. The ability to articulate between these disciplines is at the heart of our program. The department emphasizes both basic and translational research.

Major Research Themes within the department include: *Cancer Biology, Medical Imaging, Image Guided Therapy & Intervention, Data Science* ('omics & computational biology'), *Structural Biology, Nanomedicine, Cardiovascular, Neuroscience and Regenerative Medicine & Stem Cells*.

Medical Biophysics in Numbers

- >220 graduate students
- ~120 faculty members
- ~ \$100 Million per year in external funding (infrastructure and operating grants)
- ~ 1,000 papers per year

Stipend/Funding

All accepted students receive a minimum stipend. This stipend for the 2017-18 academic year is \$26,750 for M.Sc. and \$28,780 for Ph.D. students. From this stipend students will pay their tuition (\$8,480). The visa differential for international students will be covered in equal parts by the department and the supervisor (same living allowance for international 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 (OGS \$2,000) above the minimum stipends described above. Scholarships whose value is 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, chemistry, mathematics, genetics, immunology, biochemistry, medicine, engineering, 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 <http://medbio.utoronto.ca/content/prospective-students>. A complete application includes: SGS online application and fee; two references (which should be completed by faculty members who are best able to assess your potential to undertake graduate studies); a letter of intent summarizing your academic achievements, research interests and details of any related research experience; CV; transcripts and other relevant documents.

Deadline to apply for September 2018 admission

Students are encouraged to submit a complete application by January 8th for early acceptance. We will continue to accept applications until May 15, 2018. Alternatively, but less common (~10% of students), applications can also be submitted for a January 2019 start date (deadline is October 2, 2018).

Contact Information

Admissions office

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