




About Molecular Genetics...

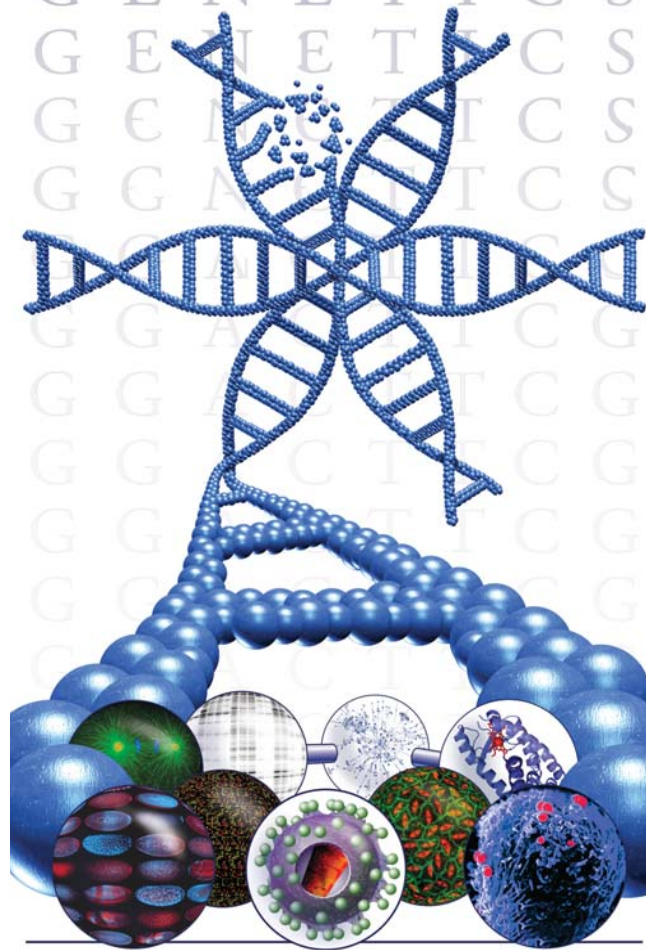
While the discipline of genetics has its origins in the pioneering work of Mendel over a century ago, the modern revolution in genetics began with the development of methods for the cloning & sequencing of individual genes. Genetic engineering has had a phenomenal impact on all aspects of biological & medical sciences, and indeed every day life. With state of the art training in molecular genetics, our graduate students & postdoctoral fellows continue to be an integral part of the molecular revolution.

Why Choose Our Department for Graduate Studies?

-  **Cutting Edge Science:** Our Department is a world-reknowned global leader in Molecular Genetics research.
-  **Choice:** Our Department has well over 80 different labs that you can choose from to pursue your Graduate work.
-  **A Perfect Fit:** We provide you with the unique opportunity of rotating through at least 3 labs before choosing a permanent lab. Unlike other departments, our (non-visa) students are not required to have confirmed a supervisor or even rotations upon joining our Department. Instead, students sample research projects & environments before choosing their thesis topic. Our rotation system facilitates the perfect match between you and your future lab!


UNIVERSITY OF TORONTO

Department of MOLECULAR GENETICS





www.moleculargenetics.utoronto.ca


Entry into our Graduate Programme

 **Academic Background:** Successful applicants typically have an undergraduate degree in **biochemistry, cell biology, genetics, microbiology** or **molecular biology**. We also have successful students with backgrounds in chemistry, physics & computer science. The latter disciplines can provide a good foundation for students interested in structural biology or bioinformatics. Therefore, we encourage any student interested in our programs to apply.




 **Grades:** M.Sc. applicants will have a 4-year B. Sc. degree with a minimum B+ average and strong grades in relevant courses. Ph.D. applicants will have an MSc degree with a minimum A- average.


 **Experience:** A successful applicant will have experience in a laboratory setting, which may include a fourth-year B.Sc. thesis project or summer or co-op work.

 **Reputation:** Finally, a successful applicant will have letters from current and past mentors who can testify positively about the applicant's abilities and character.

It's a Small World...

We welcome and encourage applications from Visa Students! In addition to the other requirements, applications from visa students also require the following:

 **English Proficiency:** Applicants who completed their previous degrees in a language other than English must take an accepted English proficiency exam.

 **Finding a Sponsor:** Visa students must FIRST find a Professor within our Department willing to Sponsor them before their application is considered.

See www.moleculargenetics.utoronto.ca for more details about applications for visa-students.

What Does Your Future Hold?

Technological advances in genetics & biology have vastly broadened the career opportunities for our Graduates, who are in high demand in Academic Departments, Medical Schools, and Research Institutes throughout the world. Huge opportunities in the biotechnology & pharmaceutical industries have expanded the lure of Molecular Genetics. With a Molecular Genetics degree in hand, your future is limited only by your imagination!

Deadlines



January 15 for early acceptance for September Admission



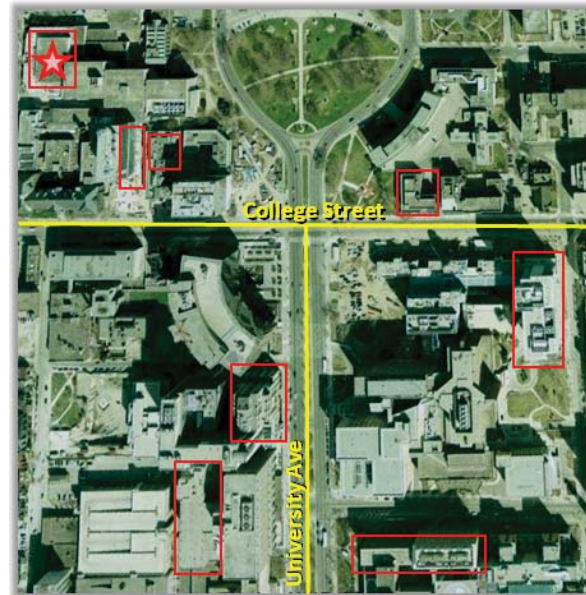
May 1 for September and January Admission

Stipends

Our graduate students receive a guaranteed stipend (\$23,900 for MSc & \$24,900 for PhD) and have excellent success rates in obtaining external & internal graduate awards.

Where are We?

Our Department, which is part of the Faculty of Medicine, resides within the St. George Campus of the University of Toronto at the heart of downtown Toronto. Our administrative offices are located in the Medical Sciences Building (MSB; see star below) and our Faculty have state-of-the-art laboratories in the MSB, Fitzgerald Building, Best Institute, Hospital for Sick Children, Mount Sinai and Princess Margaret Hospitals, Medical & Related Sciences Centre (MaRS), and the Donnelly Centre for Cellular & Biomolecular Research (red boxes below).



Our Areas of Research



Cell Biology & Signal Transduction



Functional Genomics, Proteomics & Bioinformatics



Genetics of Development



Structural Biology



Molecular Biology & Biochemistry



Molecular Medicine & Human Genetics



Molecular Microbiology & Virology



Model Organism Genetics

To learn more about our Faculty members and their research interests, visit: <http://www.moleculargenetics.utoronto.ca>

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