Ruth Ross, Ph.D.

Chair

J. Peter McPherson, Ph.D.

Associate Chair, Graduate Education

Cindy Woodland, Ph.D.

Director, Collaborative Program in Biomedical Toxicology and

Applied Clinical Pharmacology Program

Prateek Lala, M.D.

Applied Clinical Pharmacology Program

M.Sc. Program – 2 year program

Applied Clinical Pharmacology (course-based)

Thesis-based

Ph.D. program

4 year program – if completed M.Sc.

5 year program – if 'direct entry'

Graduate Program

Approximately 70 Graduate Faculty members

Currently 186 Graduate Students:

40 thesis-based MSc 46 course-based MSc 105 PhD students

September 2021 intake: 51 new students

20 PhD students 31 MSc students (15 thesis stream, 16 ACP stream)

Research Areas Offered:

Alcoholism and drug addiction

Biochemical and molecular pharmacology

Receptor pharmacology and signal transduction

Drug metabolism and pharmacokinetics

Pharmacogenetics and pharmacogenomics

Neuropharmacology

Cancer pharmacology

Clinical pharmacology

Cardiovascular pharmacology

Toxicology

Biomedical Toxicology – Collaborative Specialization

Career Opportunities for Graduates

Pharmaceutical and biotechnology industries

- Research laboratories
- Clinical studies coordinators
- Regulatory affairs
- Management and administration
- Business development and venture capital
- Consulting

Government

- Health Protection Branch (Federal)
- Environmental laboratories (Provincial and Federal)
- Forensic toxicology (Provincial)

Academic

- University professors
- Community colleges and secondary schools

Biomedical Research Laboratories

- Hospitals
- Research Institutes
- University laboratories

M.Sc. Program – 2 year program

Applied Clinical Pharmacology (course-based)

Thesis-based

Ph.D. program

4 year program – if completed M.Sc.

5 year program – if 'direct entry'

What Is Applied Clinical Pharmacology?

 A two-year, course-based stream within the MSc degree program in Pharmacology



www.pharmtox.utoronto.ca/acp





Who Should Take This Program?

 Students seeking to develop a strong foundation of knowledge and skills in pharmacology, drug development, clinical trial design, and regulatory procedures while preparing for careers related to the application of clinical pharmacology





What Makes This Program Unique?

- One-of-a-kind rigorous program tailored to you
- Small class sizes (< 20 students)
- Integrated interactive courses to provide breadth of knowledge in clinical pharmacology
- Hands-on laboratory skills and research opportunities in clinical settings
- Practicum opportunities to explore your career interests in a work environment





Where Are The Placements?





























M.Sc. Program – 2 year program

Applied Clinical Pharmacology (course-based)

Thesis-based

Ph.D. program

4 year program – if completed M.Sc.

5 year program – if 'direct entry'

Thesis-based M.Sc. - Two year program

Dedicated thesis research supported by Graduate Supervisor

One course – PCL 1002Y Graduate Pharmacology

Seminar at beginning of second year

Thesis write – up and defense



M.Sc. Program – 2 year program

Applied Clinical Pharmacology (course-based)

Thesis-based

Ph.D. program

4 year program – if completed M.Sc.

5 year program – if 'direct entry'

Ph.D. program

Four year program (Five year program if direct – entry PhD)

Dedicated thesis research supported by Graduate Supervisor

One course – PCL 1002Y Graduate Pharmacology + one other course

Three Seminars at beginning, middle and end of program

4 Breadth modules - informal instruction in areas outside of your thesis research

Thesis write – up and defense



Graduate Admission Stats

Total applications

Approximately 300 received / year

Total provisional acceptances 60 - 80 (25% of these are Applied Clinical Pharmacology)

New students beginning September 2021 51

APPLYING TO THE PROGRAM:

- Application process is completely on-line.
- Application Site open now: <u>www.pharmtox.utoronto.ca</u> > Grad Programs > Admissions
- Separate deadlines dates for the payment of processing fee and for application documents to be received.

SEPTEMBER 2021 ADMISSION:

Visa Students studying outside North America:

Application deadline: January 14, 2022

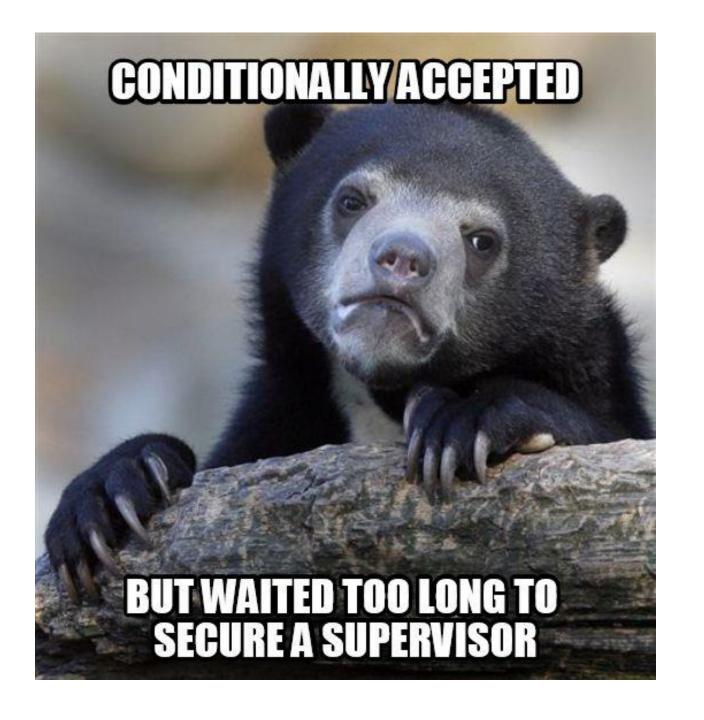
Documentation deadline: January 28, 2022

Everyone else:

Application Deadline: April 15, 2022

Documentation deadline: April 29, 2022

There are benefits to applying early!



Questions????