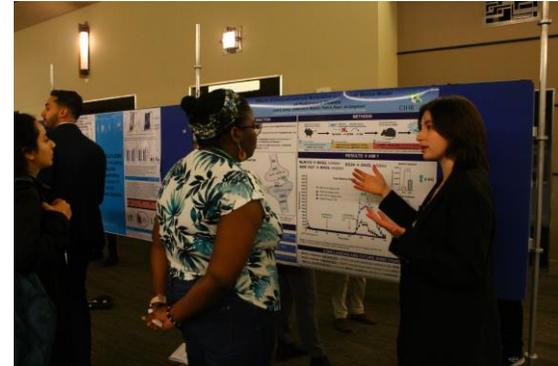


Why the Department of Pharmacology & Toxicology?

- Departmental faculty and trainees are diverse and international
 - ~30% of student population is International
- Opportunities to network and join community
 - Undergrad. summer research program, 4th yr students completing “mini-thesis”
 - Attend departmental & faculty research seminars,
 - Visions in Pharmacology Research Day
 - TFoM Research Day
 - Departmental Community Initiatives
 - Mentorship programs*



Why the Department of Pharmacology & Toxicology?

- Largest pharmacology and toxicology department in North America
 - ~450 undergraduates in P&T programs
 - ~180 graduate students
 - ~120 faculty members
- Situated in downtown research hub consisting of the core department located on campus and affiliates located at internationally-recognized hospital-based research institutes
 - *The Hospital for Sick Children*
 - *University Health Network*
 - *Centre for Addiction and Mental Health*
 - *Sunnybrook Hospital Research Institute*
 - *Structural Genomics Consortium*
 - *Ontario Institute for Cancer Research*
 - *Unity Health*
- Outstanding and diverse research environment:
 - clinical pharmacology,
 - drug discovery,
 - drug toxicity,
 - cancer,
 - neuropharmacology/addiction,
 - pharmacogenetics



Course Requirements and Expectations

- Students will conduct research for 10-to-16-week period in a faculty member's laboratory between May 1st and Aug 31st.
- Students will be enrolled in PCL courses (1.5 U of T credits) with course requirements including:
 - project proposal
 - written reflections
 - oral presentations
 - brief scientific communications
 - final written report
- Students will learn critical thinking skills and independence in conducting their summer research program
- Communication of scientific data and appraisal in lab meetings, course “update” talks and opportunity to fine tune written communication skills
- Students will be asked to convey their research and reflect upon their experience in a clear and concise manner



Requirements

- Nomination from Home Institution
- Acceptance of student by a research supervisor
 - Nominated students should reach out to a potential supervisor from the list of available PCL summer research projects, to request an interview.
 - Students should contact the Department of Pharmacology & Toxicology to inform which host researchers they have contacted.
 - Students must complete the PCL Summer Research Statement of Interest Form and obtain their supervisor's signature on the form by the application deadline.
- Complete application by **January 10, 2025**
 - Academic transcript, English test result (if applicable), PCL Summer Research Statement of Interest Form & resume/CV, course descriptions
 - Minimum grades, cGPA of ~3.3 (~B+) in completed course work
- All Immigration requirements fulfilled (consider the time requirements!)
 - Campus sites – Canadian study permit



FAQ

- Are students eligible to be paid?
 - Students will not be paid (hourly wage) during course taken for credit
- What qualifications do students require to apply to PCL397Y course?
 - Students should have a MINIMUM of one year however two years⁺ preferred
 - Coursework in Physiology, Biochemistry/Molecular Biology highly desired
 - Statistics course or exposure ideal
 - Pharmacology/toxicology courses may not be required, project dependent

