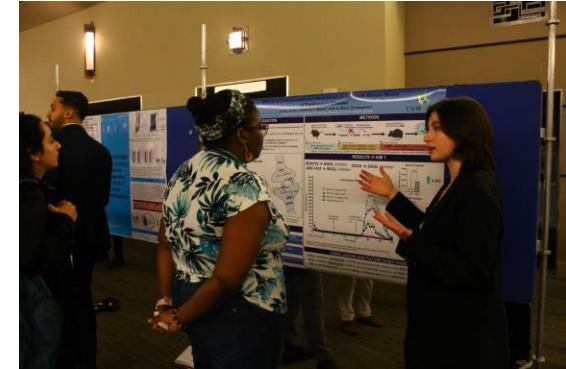


# Why the Department of Pharmacology & Toxicology?

- Departmental faculty and trainees are diverse and international
  - ~30% of student population is International
- Opportunities to network and join community
  - Undergrad. summer research program, 4<sup>th</sup> 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 1<sup>st</sup> and Aug 31<sup>st</sup>.
- 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 15, 2026**
  - 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<sup>+</sup> preferred
    - Coursework in Physiology, Biochemistry/Molecular Biology highly desired
    - Statistics course or exposure ideal
    - Pharmacology/toxicology courses may not be required, project dependent

