

Laboratory Demonstrator Application Form 2024-2025

Applicant Name:	Student Number:		
Email:	Phone Number:		
Department:	Program: <input type="checkbox"/> Undergrad <input type="checkbox"/> MSc <input type="checkbox"/> MSc-ACP <input type="checkbox"/> PhD <input type="checkbox"/> Postdoc		
Year in Program (as of September 2024):	Research Supervisor (if applicable):		
Course Code of Position(s) applied for (please rank in order of preference):			
1.	2.	3.	
What is your background experience in Pharmacology and/or Toxicology? Please include relevant coursework.			
Which of the following techniques are you familiar with? Please check all that apply:			
<input type="checkbox"/> Cell culture techniques	<input type="checkbox"/> Trypan Blue assay	<input type="checkbox"/> MTS assay	
<input type="checkbox"/> Alamar Blue assay	<input type="checkbox"/> DNA, protein and RNA isolation	<input type="checkbox"/> Western blot	
<input type="checkbox"/> qPCR, PCR	<input type="checkbox"/> Restriction enzyme digest	<input type="checkbox"/> Flow cytometry	
<input type="checkbox"/> BRET assay	<input type="checkbox"/> PDE activity assay	<input type="checkbox"/> Liver microsomes preparation	
<input type="checkbox"/> HPLC Data analysis	<input type="checkbox"/> Drug metabolism	<input type="checkbox"/> Pharmacokinetics in mice and/or in human – data quantification by HPLC	
<input type="checkbox"/> Mouse handling: IP injection, saphenous vein bleeding, blood plasma processing	<input type="checkbox"/> Human behavioural studies – questionnaire and battery of human behavioural tests	<input type="checkbox"/> Behavioral testing in mice-locomotor activity and elevated plus maze	
<input type="checkbox"/> Genotyping	<input type="checkbox"/> Statistical data analysis of human data	Other (please specify):	
Please submit the following documents in a single PDF file to: undergrad.pharmtox@utoronto.ca			
<input type="checkbox"/> Application Form			
<input type="checkbox"/> Cover Letter			
<input type="checkbox"/> Résumé / CV			
<input type="checkbox"/> Academic Transcripts (web printouts are acceptable)			