



Job Posting - Course Instructor Position
Fall/Winter Term (September 2025 – March 2026)

Posted on June 25, 2025

The Department of Pharmacology and Toxicology seeks a Course Instructor, 0.40 FCE, for the following course:

JPM400Y: SIMULATED BIOMEDICAL INCUBATOR CAPSTONE COURSE (200P)

This course affords students an opportunity for research experience in a laboratory or applied pharmacology setting. Students will work under the supervision of a departmental mentor and will submit a final written assignment and oral presentation. Enrollment is limited and requires permission from the Department of Pharmacology and Toxicology. Students are expected to spend approximately 200 hours towards this project but this will be project/supervisor dependent. Not eligible for CR/NCR option.

Qualifications

The successful applicant will be in the process of completing or have obtained a doctoral degree (PhD) with a specialization in the field of cell and molecular biology, biochemistry, pharmacology, toxicology, physiology, immunology or a related life science field. The individual will have demonstrated excellent knowledge and experience with laboratory (bench) science techniques and underlying theories. Previous teaching or mentoring experience in undergraduate education is an asset. The ideal candidate will have experience in course management (Quercus preferred), creating and delivering online student assessments and examinations, course delivery and in mentoring and working with faculty, and graduate and undergraduate students.

Ideal applicants will have strengths in working with an equity, diversity, inclusion, Indigeneity and accessibility lens, and a strong interest in innovation and entrepreneurship. Direct experience with translational biomedical research is an asset. Demonstrated experience (through work or volunteer work) of effective facilitation of small-group discussions is an asset. Experience working in a team setting is valued, as is experience with project management of timelines and multiple parallel tasks. Strong candidates will demonstrate an open mind, curiosity, and adaptability to change, and will encourage and motivate life science students to maintain progress and productivity. Previous experience as a TA within a practical course and/or with the Division of Teaching Labs (DTL) is preferred.

Relevant Criterion

Past teaching experience is the more relevant criterion than the need to acquire experience in respect of this posted position.

Duties:

The course instructor will assist 4th year life science teams with the laboratory aspects of their biotechnology projects. Student projects are student-designed and student-initiated. This year's teams will employ AlphaFold predictions of 3-D protein structures, conduct drug transporter assays, co-culture bacterial strains in microbiome experiments, co-display bacterial enzymes on endosome surfaces, and conduct bioassays related to cannabinoids. Teams are 3-4 students from across different life science Departments. The course is JPM400Y: Biomedical Incubator Capstone Project.

Students will write draft experimental protocols and the course instructor will: (a) help students edit and revise their protocols, and (b) help operationalize student projects in the Department of Teaching Laboratories at the Medical Sciences Building.

The course instructor will instruct four student teams, at approximately 5 hours per week throughout the academic year, Friday 9 am to 2 pm.

Duties of this position shall be performed at the campus on which the position is located. In-person teaching on St. George campus is required.

Dates of Appointments: September 1, 2025 – May 1, 2026

Hours of work: approx. 100 hours

Estimated course enrolment: 14

Estimated TA support: 0

Rate of pay: \$7,487.60 (plus vacation pay). First CI appointment receive an additional stipend.

Please note that should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail.

Schedule: Student team experiments to be scheduled according to Teaching Laboratory and student member availability. ~5 hours per week for 20 weeks.

Final availability of the position is contingent upon enrolment, budgetary consideration and the determination of appointments as governed by the collective agreement.

Application process

Applicants should submit a cover letter and CV (via email) by **July 20, 2025**. Applications should be sent via email to:

Dr. Ali Salahpour, Chair, Department of Pharmacology and Toxicology
c/o Ms. Charlotte Pashley, Medical Science Building, 1 King's College Circle, room 4207,
Toronto, ON, M5S 1A8, charlotte.pashley@utoronto.ca

If during the application and/or selection process you require accommodation due to a disability, please contact: charlotte.pashley@utoronto.ca.

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our [Accommodation webpage](#).

The hiring criteria for Course Instructors positions are academic qualifications, the need to acquire experience, previous teaching experience and previous satisfactory employment under the provisions of this Collective Agreement.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous /

Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. The position(s) posted above is (are) tentative, pending final course determinations and enrolments.

Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

Note: Although a graduate student's preference as to the campus location of his/her TA appointment will be taken into account, both the initial TA appointment (or CI appointment) and the subsequent appointment obligation related to that appointment may be met through position(s) on any one of the three University of Toronto campuses (UTM, UTSC or St. George) in courses in the same discipline as the initial appointment. TAs will only be assigned to courses in fields in which they are or should be qualified to assist. Duties of this position shall be performed at the campus on which the position is located. Where the duties are intended to be performed at another location, such other location will be specified in the posting.