

University of Toronto
BIOCHEMISTRY PROGRAM
Job Posting – Teaching Assistant Position
Fall 2026 (September - December)

Posted on: July 20, 2026

The Biochemistry Program seeks up to 2 Teaching Assistants (Lab TA - 1. whole-genome analysis (reference and de novo assemblies, variant identification); 2. metagenome analysis) for the following course:

BCH 428H1F: Genomics of microbial communities in human health and beyond

Course Description

There is a growing appreciation that microbes do not operate in isolation but form parts of larger populations and communities (microbiomes) with unique considerations for human health. Combining lectures, small group discussions, and a computer lab component, this course will cover how genomics can be applied to analyze microbial communities and the transformative discoveries that continue to result. In addition to lectures and two term tests, two bioinformatics labs (one focused on identifying genetic variants within individual genomes, the other focused on characterizing microbiome composition) make up a considerable component of the workload. A mock review of BioRxiv (unpublished) manuscripts in the format of a CIHR Project Grant review makes up the remainder of the work.

Minimum Qualifications

Lab I: experience with Geneious software and Illumina-based genome assemblies and variant discovery is required. Familiarity with the limitations of automated sequence analysis.

Lab II: experience with unix command line analysis of metagenomic datasets is required.

Preferred Qualifications

Ability, academic qualifications, suitability for the position and familiarity with course material.

Relevant Criterion

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

Duties

Computer lab assistant, marking

Lab introduction and demo/Q&A session (in-person, 2 hr).

TA meeting with Coordinator + CUPE3902 Training. (4 hr)

Asynchronous supervision of computer lab (remote by email, blackboard, zoom office hours, 9 hr).

Prep Time for computer lab. (8 hr)

Grading of computer labs (12 hr)

Duties of this position shall be performed at the campus on which the position is located.

Hours of work: 35 hrs

Lab /Tutorial Schedule: Computer lab I: Sept-October; Computer lab II: Early Nov-end of term.

Estimated Course Enrolment: 30

Rate of Pay: UG/SGS I/II - \$53.92/hour (+ vacation pay)

Start Date of Appointment: September 8, 2026

End Date of Appointment: December 31, 2026

Application Process: A general Application should be submitted online by **Friday July 31, 2026 at 4:30 pm**. Please consult Departmental Website for application instructions:
<http://biochemistry.utoronto.ca/about/hiring>

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 Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.

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.

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.

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.

Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.