Sessional Lecturer – MMG3001Y: Advanced Human Genetics

Course number and title: MMG3001Y: Advanced Human Genetics

Course description:
This graduate course is offered within the MHSc Medical Genomics program, and is restricted to students enrolled in that program. The goal of this class is to bring all students to a common knowledge base and introduce advanced concepts including quantitative trait genetics and epigenetics. Students learn human genetics from the perspective of phenotype / clinical presentation toward genotype in addition to a focus on molecular genetics and underlying mechanisms of human disease. This fundamental course provides a knowledge framework for the entire program and introduces key concepts that will be examined in detail in subsequent courses. The sessional position is for the first half of the two-term course.

Estimated TA support: 30 TA hours

Estimated course enrolment: 20 students

Class schedule: Tuesdays and Thursdays (9:30 a.m. to 12:30 p.m.)

Sessional dates of appointment: September 1, 2020 to December 31, 2020

Salary: $16,979.33 for Sessional Lecturer I; $17,738.50 for Sessional Lecturer I Long Term; $18,171.15 for Sessional Lecturer II; $18,603.79 for Sessional Lecturer III, inclusive of vacation pay

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.

Qualifications:
The applicant should be experienced with concepts in Advanced Human Genetics, including Mendelian and complex inheritance patterns, risk assessment, GWAS, epigenetics & epigenomics, pharmacogenetics, and cancer genetics. The applicant should also be acquainted with major genetic and genomic databases, including the UCSC Genome Browser, OMIM, ClinVar, CIViC, TCAG and COSMIC, among others. Previous teaching experience is desirable but not required.

Description of duties:
The course is structured as a twice weekly three-hour lecture & discussion session each Tuesday and Thursday morning, from 9:30am-12:30pm throughout the fall and winter semesters. Most sessions will be approximately one-two hours of lecture/discussion led by the instructor or a guest lecture, with the remaining time comprising discussion or group work. The instructor is expected to attend all sessions, prepare for the lecture beforehand based on existing lecture content and assignments, and to answer student questions. The approximate time commitment is 12 hours per week.

The course has been taught for two years. A complete course syllabus, course slides, assignments and answer keys / rubrics, and other critical components have already been designed and used successfully. Minimal modification of these materials may be required to update them for use this year.

Application Procedure:
Applications should include a single PDF with the following components in this order: 1) the CUPE 3902 Unit 3 application form, available at: http://forms.hrandequity.utoronto.ca/#employment; 2) a cover letter; and 3) a c.v. that includes evidence of expertise in human genetics and genomics, as well as the name(s) of one or more qualified referees.

Please submit the applications electronically to:
Dr. Leah Cowen
Professor and Chair, Department of Molecular Genetics
mogen.chair@utoronto.ca

This job is posted in accordance with the CUPE 3902 Unit 3 Collective Agreement.

It is understood that some announcements of vacancies are tentative, pending final course determinations and enrolment. Should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail.

Preference in hiring is given to qualified individuals advanced to the rank of Sessional Lecturer II or Sessional Lecturer III in accordance with Article 14:12 of the CUPE 3902 Unit 3 collective agreement.

Please note: Undergraduate or graduate students and postdoctoral fellows of the University of Toronto are covered by the CUPE 3902 Unit 1 collective agreement rather than the Unit 3 collective agreement, and should not apply for positions posted under the Unit 3 collective agreement.