University of Toronto
JOB POSTING – POSTDOCTORAL FELLOW

Area of Research: Biostatistics, Statistical Genomics

Description of duties:

We are seeking a highly motivated individual with statistical expertise to work on a interdisciplinary project performing deep phenotyping to elucidate novel genetic and epigenetic factors in osteoarthritis. Responsibilities and duties include but are not limited to 1) developing latent variable modelling with multivariate endpoints; 2) planning and executing association, colocalization and mediation modelling using molecular data; and 3) preparing abstracts for presentation and manuscripts for publication. The position is for a 1-year term with opportunities to extend and support for career development and mentor an MSc student. Competency in Bayesian statistics, R, and high-performance computing is required. Enthusiasm and a passion for learning are assets. Accommodations for remote work can be arranged.

Salary: $50,000 CAD per annum

Required qualifications:

- PhD in (bio)statistics or a related field
- Experience in processing and analyzing large-scale datasets
- Experience/exposure to genomic or other omics data analysis, e.g., GWAS, using specialized software such as PLINK, HAIL, REGENIE
- Familiarity with genetics and epigenetics
- Familiarity with arthritis or other chronic diseases
- Demonstrable experience in research (i.e., presentations, peer-reviewed publications)
- Strong verbal and written communication skills
- Detail-oriented, organized, and collegial

Application instructions

All individuals interested in this position must submit cover letter, curriculum vitae, and contact information for two references to osvaldo.espingarcia@utoronto.ca and sali14@hfhs.org by the closing date.

Closing date: September 30, 2022

Supervisors: Osvaldo Espin-Garcia, PhD (University of Toronto) and S. Amanda Ali, PhD (Henry Ford Health)

Expected start date: As soon as possible

Term: 1 year with a possibility of an extension

FTE:

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

This job is posted in accordance with the CUPE 3902 Unit 5 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, LGBTQ persons, and others who may contribute to the further diversification of ideas.