Posting Date: December 2, 2019

JOB POSTING – POSTDOCTORAL FELLOW IN BREAST CANCER RISK PREDICTION

Area of Research: The large-scale applied Genome Canada project "Personalized Risk Assessment for Prevention and Early Detection of Breast Cancer: Integration and Implementation" (PERSPECTIVE: I&I) seeks to contribute to developing a framework to support the implementation of a personalized risk-based approach to breast cancer screening. This is being accomplished through population-based research studies relating to effectiveness of breast cancer risk prediction for risk-based screening.

Description of duties:

Drs Jennifer Brooks and Anna Chiarelli are leading the Ontario site of the PERSPECTIVE I&I study. The successful candidate will join a national and international, multidisciplinary research team that is working to implement a risk-based approach to breast cancer screening. This is being accomplished through the recruitment of up to 10,000 women in Ontario and Quebec and involves extensive data collection (information on risk factors) and genetic analysis for the estimation and communication or breast cancer risk. The Post-Doctoral Research Fellow will work closely with Drs. Brooks and Chiarelli as well as the other investigators and members of the research team to determine how well algorithms work to estimate breast cancer risk in the Canadian population. The candidate will be encouraged to pursue funding opportunities to support further research and development of this research agenda.

The successful candidate will be housed at the Dalla Lana School of Public Health at the University of Toronto and will work closely with the research team at Cancer Care Ontario. This will include:

- Significant scientific input for and plans and manages complex studies.
- Provides leadership and judgment in the design of research methodology and data analysis
- Assist in participant recruitment process
- Participate in ongoing recruitment and team meetings
- Communicate up-to-date information on the progress of the study/project
- Monitor project progress and evaluate results and makes changes in methods or design where necessary.

Salary: $50,000-65,000 annually depending on qualifications and experience

Please note that should the minimum rates stipulated in the collective agreement fall below the rates stated in this posting, the minimum rates stated in the collective agreement shall prevail.

Required qualifications:

- Successful completion of a PhD degree in epidemiology, population genetics or related fields **within 5 years of hiring**
- Excellent working knowledge of cancer, genetics and epidemiologic methods
- Well developed statistical programming and analytic skills in R and/or SAS
- Proficiency with MS Office (Word, Excel, PowerPoint, Outlook)
- Demonstrated verbal and written skills
- Evidence of prior research productivity (publications, presentations, grants)
- Strong communication skills (written and oral)
- Self-directed with an ability to make decisions and to exercise good judgement
- Superior organizational and time management skills with a flexibility to adjust to priorities
- Demonstrated leadership abilities, professionalism and ability to work with a variety of individuals in a co-operative manner both independently and as part of a team
- Ability to work accurately and effectively in a fast-paced environment
- Demonstrated satisfactory work performance and attendance history

Application instructions

All individuals interested in this position must submit cover letter, CV, references (2), research statement, publications, etc. to Dr. Jennifer Brooks (jennifer.brooks@utoronto.ca) **by February 1st, 2020**

Closing date: Until position is filled or at the latest February 1st, 2019

Supervisor: Drs. Jennifer Brooks and Dr. Anna Chiarelli

Expected start date: March 1st, 2020

Term: One (1) year initial with possibility of renewal to a maximum of two years

FTE: 100%

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 visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.