

Title: Postdoctoral Fellow

Reports to: Dr. Rayjean J. Hung

Department: Prosserman Centre for Population Health Research, Lunenfeld-Tanenbaum Research Institute (<http://www.lunenfeld.ca>)

Position Summary:

Applications are invited for the postdoctoral fellow position at the Lunenfeld-Tanenbaum Research Institute. The successful candidate will join the molecular and genomic epidemiology research group led by Dr. Hung in the Prosserman Centre for Population Health Research (<https://net.lunenfeld.ca/pcphr/>). Lunenfeld-Tanenbaum Research Institute (LTRI) is one of the Canada's leading biomedical research institutes offering a stimulating research environment. In LTRI, the Prosserman Centre for Population Health Research includes a group of multi-disciplinary scientists who are specialized in quantitative research of complex diseases, particularly in the field of population genetics. Partnering with Dalla Lana School of Public Health and University of Toronto, Prosserman Centre for Population Health Research is the hub of an active research community of genomic epidemiology and statistical methodology with regular seminar series and journal club.

The overall objectives of the research group led by Dr. Hung are to investigate the cancer etiology and prognosis in human population, focusing on genetic susceptibility, molecular profile, and integrative multi-omics analysis based on innovative statistical and computational methods. The goal is to contribute to the primary prevention of cancer, early detection and improved prognosis. These objectives will be achieved through national and international epidemiological collaborative studies, which integrate molecular genetics and statistical modeling in a multidisciplinary approach.

One postdoctoral fellowship is immediately available to join the group to work on molecular profiling of the circulating cell free DNA, methylome analysis as well as integrative analysis with whole genome sequencing of multiple cancer sites with high public health impact. The successful candidate will also have the opportunity to join the CIHR STAGE Training Program (The Strategic Training of Advanced Genetic Epidemiology, <http://www.stage.utoronto.ca/>). The position will initially be for one year with the possibility of renewal up to three years in total.

Education and Experiences:

This fellowship is suitable for candidates who have a Ph.D. in Epidemiology, Population Genetics, Statistical Genetics, Computation Biology or relevant fields. Excellent working knowledge of genetics and epidemiologic methods, and well-developed ability of statistical programming and analytical skills using R, SAS or STATA are required. Evidence of prior research productivity and programming experience in additional languages (e.g. Python, Perl, C++, etc) is an asset.

How to Apply:

Please submit curriculum vitae, cover letter and contact information of three references on-line at

<http://contact.mshri.on.ca/hr/DEFAULT.ASP?page=jobDetail&job=1062>

Posting open until filled. We appreciate all expressed interests in this position, only those candidates short listed for interview will be contacted.