



INSTITUT UNIVERSITAIRE  
DE CARDIOLOGIE  
ET DE PNEUMOLOGIE  
DE QUÉBEC

POST DOCTORAL  
POSITION

The Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec (CRIUCPQ) is an academic research institute affiliated with Laval University located in Québec City, Canada. It is physically connected to one of the leading hospital treating patients with cardiovascular and respiratory diseases in Canada. CRIUCPQ includes 116 researchers carrying out world class clinical and basic research in three major themes: cardiovascular, respiratory and obesity. Together these scientists coordinate the activities of nearly 250 scientific staff members and 170 graduate students.

The Post-Doctoral Fellow position is in the laboratory of Dr. Yohan Bossé, Principal Investigator of a genomic research program on cardio-respiratory diseases. This program focuses on two main themes: 1) genetics of aortic valve diseases, and 2) genomics of respiratory diseases including smoking-related lung diseases (i.e. lung cancer and COPD) and asthma. A number of genomic approaches are utilized including whole-genome genotyping in case-control series of patients and gene expression profiling in healthy and diseased tissues. The research activities are funded by the Canadian Institutes of Health Research, Heart and Stroke Foundation, Cancer Research Society, Canadian Gene Cure Foundation, J.D. Bégin Foundation, and "Fondation de l'IUCPQ". Unique resources are in place to study the molecular basis of both heart and lung diseases including large sample sizes of well-characterized patients and a world-class biobank infrastructure.

The nature of the work is to analyze large-scale genomic datasets with the clinical characteristics of patients, write scientific manuscripts, and present the results at national and international meetings. The Post-Doctoral Fellow is expected to contribute to the overall program goals, which are to improve our molecular understanding of heart and lung diseases and translate genomic knowledge into new marketable applications or products that respond to urgent medical needs. The individual may also be required to supervise junior lab members.

Applicants for this position should possess a Ph.D. or M.D. degree. A background in bioinformatics and statistical genetics is preferred. The ideal candidate will have experience in molecular genetics, genome-wide gene expression and genotyping arrays, and database skills. A decent publication record with first author manuscripts is needed.

This is a full-time two year position. The stipend is set equivalent to a CIHR Fellowship research award (i.e. \$40,000 per annum). Review of applications will begin October 1, 2012, and continue until the position is filled.

Interested individuals should send a brief motivation letter and CV to:

Yohan Bossé, Ph.D.

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