

**Centre de recherche interdisciplinaire en réadaptation du Montréal métropolitain
Jewish Rehabilitation Hospital Research Site
(CRIR-JRH)**

**Job posting
Computer analyst / Programmer**

Mandate:

The Centre for Interdisciplinary Research in Rehabilitation of Greater Montreal (CRIR) is a multisite research center operated by four healthcare facilities within three different administrative regions. It is affiliated to three universities (Université de Montréal, Université du Québec à Montréal and McGill University) and is financed by the FRQS, FRQSC and the MSSS, as well as the federal indirect costs for research.

More specifically, the Centre for Interdisciplinary Research in Rehabilitation of Greater Montreal—Jewish Rehabilitation Hospital Research Site is seeking to appoint a part-time 3 days/week computer analyst / programmer position to assist with data/signal processing in collaboration with our team of researchers and students.

A high-level expertise is required in data analysis, programming and data/signal processing for numerous research projects. The work is strongly oriented towards human motion analysis (kinematics, electromyographic signals, kinetics), as it applies to the fields of motor control, biomechanics and rehabilitation, needing in-depth knowledge of biophysics and applied mathematics.

Place of work:

CRIR—JRH Research Site
3205, Place Alton-Goldbloom
Laval QC H7V 1R2

*The CRIR—JRH Research Site is internationally renowned and McGill University-affiliated for research in rehabilitation with 22 affiliated researchers, 35 graduate students, 12 on-site state-of-the art laboratories and a team of 4 research engineers along with clinician-researchers.

Prerequisites:

The candidate should have strong skills in these fields of science and the required skills to develop the numerical algorithms in MathLab or other scripting languages (Python, R, Octave), including the programming of interactive graphical interfaces.

Experience with mathematical modelling and C++ programming skills are preferable. Knowledge of basic statistical methods for the comparison of outcome measures is also desirable. The successful candidate will work in collaboration with graduate students and researchers.

The person will be working from the CRIR—JRH Research Site, during usual working hours to interact with researchers and students.

Desired Skills:

- an interest for research
- able to work in a team
- autonomy
- initiative
- flexibility
- written and verbal proficiency in English and French preferable

Applications are invited for this position. Please submit your CV and cover letter by email to administration.crir@sss.gouv.qc.ca for the latest June 3, 2019. Only candidates invited for an interview will be contacted.