

**Name of Employer:** Jewish General Hospital

**Title:** Postdoctoral fellow

**Location:** Proteomics Centre of the Lady Davis Institute – Jewish General Hospital  
3755 Chemin de la Côte-Sainte-Catherine, Montreal, QC H3T 1E2

**Status:** Contractual, full-time, day.

**Job Start Date:** As soon as possible.

**Job Description:**

The proteomics center of the Lady Davis Institute is looking for a motivated and talented post-doctoral fellow for “(phospho)proteogenomics of colorectal cancer”. The project is in close collaboration with leading cancer researchers in the Jewish General Hospital.

**Job Roles:**

The post-doctoral fellow will develop and apply proteomics and phosphoproteomics methods to analyze colorectal cancer biopsies using high resolution mass spectrometry, including both discovery and targeted approaches. The generated data will be combined with complementary genome sequencing data to identify improved markers for patient stratification and mechanisms of resistance.

**Duration:**

The position is available for 3 years and will be supervised by Dr. Christoph Borchers and Dr. René Zahedi.

**Company Profile:**

The Jewish General Hospital Proteomics Centre encompasses the Segal Cancer Proteomics Centre (SCPC) and the Warren Y. Soper Program in Translational Proteomics. The SCPC provides advanced proteomics services to the research community at the hospital as well as to other academic, pharmaceutical and biotechnology groups. The SCPC works together with the Translational Proteomics unit located at the JGH Clinical Chemistry Laboratory to transfer proteomic discoveries to practical applications in the clinic.

The services provided at the SCPC are in key areas such as biomarker discovery/validation, clinical studies, diagnostics and basic research. As specialists in targeted proteomics approaches, we specialize in the highly multiplexed quantitation of protein biomarkers in complex biological samples such as blood, cerebrospinal fluid, urine and other fluids/tissues. Our workflows use Multiple Reaction Monitoring-Mass Spectrometry (MRM-MS) with isotopically-labeled internal standards to achieve unparalleled specificity and sensitivity. This approach uses minimal sample volumes and provides quantitative information on up to hundreds of protein or peptide targets within a single short analysis.

**Qualifications:**

- University level – Doctorate Degree in Chemistry, Biochemistry or similar
- Strong experience in protein mass spectrometry
- Experience in data analysis, ideally using tools such as R
- Strong communication and writing skills

**Please refer to McGill's requirements on postdoctoral appointments, [www.mcgill.ca/gps/postdocs](http://www.mcgill.ca/gps/postdocs), for conditions and additional information on the status of the position. [In Quebec, a Postdoctoral Fellow is a full-time student status and trainee category, and the Ministère de l'Éducation, Enseignement Supérieur et Recherche (MESRS) stipulates that all postdocs must be registered on a university student registration system.] Please note that non-Canadian postdoctoral fellows must have valid Citizenship or an Immigration Canada (CIC) work permit to legally work in Canada.**

**Conditions:**

If you are interested in this opportunity, please send your application to the Attention of Ms. Hannah Meltzer at [hannah.meltzer@ladydavis.ca](mailto:hannah.meltzer@ladydavis.ca). Please ensure that your CV lists your current coordinates including telephone number, email address and address.

The Proteomics Centre would like to thank all applicants, however only those who qualify for an interview will be contacted.

The Proteomics Centre is an equal opportunity employer.

For questions, please contact Ms. Hannah Meltzer at [hannah.meltzer@ladydavis.ca](mailto:hannah.meltzer@ladydavis.ca)

Website: <https://www.jgh.ca> ; <https://www.mcgill.ca/jgh-proteomics/home>