

Postdoctoral or Graduate Position in Data Analysis with Liquid Biopsy in Pediatric Cancer Program

Highly motivated candidates are invited to apply for a postdoctoral or graduate position to conduct research in the field of data analysis and bioinformatics of liquid biopsy analytes in pediatric cancer. Studies will include development of analytical pipelines aiming at the discovery of new cancer biomarkers through profiling of extracellular vesicles (EV), and soluble aspects of biofluids, targeting proteome and circulating nucleic acids. The project seeks actionable liquid biopsy signals reflective of salient properties of cancer cells, stroma and systemic responses. The successful candidate will be working with the team of investigators at the Lady Davis Institute (LDI) and the Research Institute of the McGill University Health Centre (RIMUHC) in Montreal, QC, under co-supervision of Drs Claudia Kleinman and Janusz Rak.

The liquid biopsy research program is supported by generous funding from the NET Research Initiative sponsored by Fondation Charles Bruneau and Fondation CIBC in Montreal. EV studies will also be supported by the unique technology platform accessible at the Centre for Applied Nanomedicine (CAN) at the RIMUHC, a core of cutting-edge instrumentation newly funded by Canada Foundation for Innovation. The recruiting research program is affiliated with McGill University.

McGill University and affiliated research centres, including LDI and RIMUHC, form a large, diverse and vibrant network of internationally recognized and career promoting scientific communities with ample opportunities to form collaborations and engage in interdisciplinary interactions. The ambiance of Montreal offers a superb academic, cultural, as well as personal living experience.

Qualified candidates must be eligible for graduate or postdoctoral status at McGill University and possess a documented expertise in one or more of the relevant areas of study, including: bioinformatics, big data analysis, computational biology, with working familiarity with pipelines used in genomics, epigenomics, and/or proteomics. Familiarity with extracellular vesicle analysis, cancer biomarkers, pediatric cancers, biofluid based diagnostics, and liquid biopsy would be an asset.

Interested applicants should send a CV, statement of interests, a sample of code, and a list of three references to:

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