

ACADEMIC POSITION AVAILABLE MEAKINS-CHRISTIE LABORATORIES



The Meakins-Christie Laboratories of McGill University is currently seeking applications at the rank of Assistant, Associate or Full Professor. We are seeking outstanding scientists to develop and extend programs of collaborative research that build upon a rich tradition of excellence in the field of Respiratory Diseases at McGill. These individuals should be highly self-motivated, interactive, and able to help drive the discovery of new disease mechanisms as well as novel diagnostic and therapeutic approaches.

Major areas of interest include, but are not limited to: epigenetics and genomic regulation, systems biology and "omics" technologies, stem cells and regenerative medicine, asthma, lung cancer and lung immunobiology. Previous work in respiratory diseases is desirable but not required. The ideal candidates will be capable of integrating genetic and phenotypic data with molecular profiling methods and analysis techniques, for application in clinical patient populations as well as relevant animal or in vitro disease models. Successful candidates are expected to pursue independent scientific investigation at the highest international standard, to establish a vibrant externally funded research program, and to have a strong commitment to the academic mission of the institution including teaching.

The Meakins-Christie Laboratories (www.meakinsmcgill.com) are embedded within the Research Institute of the new McGill University Health Centre, an integrated adult and pediatric academic medical centre which opened in 2015. There are presently 22 faculty members at the Meakins-Christie Labs consisting of an approximately equal mix of PhD and MD scientists, with broad research interests that include asthma, chronic obstructive pulmonary disease (COPD), pulmonary infections, cystic fibrosis, lung fibrosis, sleep apnea, respiratory muscle disorders, and rare respiratory diseases. There are well established collaborations with the McGill Respiratory Epidemiology and Clinical Research Unit as well as our Adult and Pediatric Respiratory Clinics. State-of-the-art core facilities on site include platforms for drug discovery, biobanking of clinical materials, proteomics/genomics/metabolomics, bioinformatics, immunophenotyping, cellular and molecular imaging, animal studies including in vivo imaging (CT, SPECT, PET, MRI), and containment level 3 facility for studying pathogens such as tuberculosis and influenza. The Centre for Innovative Medicine is a dedicated facility for clinical research which provides researchers with access to a wide range of services (e.g., bronchoscopy, CT imaging, pulmonary function and exercise testing). The McGill University - Genome Quebec Innovation Centre has world-renowned expertise in complex genetic disorders and provides complete DNA and RNA analysis services, as well as hosting the Canadian Centre for Computational Genomics.

The McGill University Health Centre is located in the heart of downtown Montreal, one of Canada's oldest cities. Montreal is a unique international city, founded upon its French and English traditions and now extremely multicultural in character. The city is ranked among the best places to live in the world because of its affordable cost of living, safety, exciting cultural and academic scenes, access to surrounding lakes and mountains, and overall exceptionally high quality of life. McGill University is consistently listed at the top of medical/doctoral university programs in Canada, and Montreal was recently ranked as the best student city in the world (<https://www.topuniversities.com/city-rankings/2017>).

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