

New Principal Investigator position in areas related to cutting-edge stem cell approaches to study neurodevelopmental diseases at Sainte-Justine University Hospital Research Centre – Faculty of medicine, Université de Montréal

The Research Centre of the CHU Saint-Justine (CHUSJ) in partnership with the department of Neurosciences of the Université de Montréal (UdeM; Montreal, Quebec, Canada), is seeking applicants for a principal investigator position at the rank of Assistant research professor in the field of neurodevelopment and the specific use of induced Pluripotent Stem Cells (iPSC) for the study and treatment of neurodevelopmental disorders.

The new principal investigator will play a pivotal role in complementing the research strengths of the CHUSJ Research Centre. With clinics specialized in neurodevelopmental disorders, including intellectual disabilities, autism and epilepsy, understanding the mechanisms underlying these disorders and finding new cures are major priorities of the CHUSJ/UdeM. Strategic developments to fulfill needs in this area are being supported by large investments in systematic genetic diagnosis, establishment of an iPSC platform dedicated to neurodevelopmental disorder modeling and development of big data analysis platform. The “Brain and Child Development” research axis at the CHUSJ brings together experts studying the cellular and network mechanisms underlying normal behavior, learning and cortical plasticity, as well as the pathological neuronal dysfunction underlying epilepsy, intellectual disability and central nervous system malformations. The candidate will have the opportunity to collaborate with other research groups within the network of the Faculty of medicine and the larger Montreal neurosciences community. Montreal has one of the largest neuroscience communities in North America and it is a vibrant, international and welcoming city full of “joie de vivre”, with great food, diverse and creative musical and cultural scenes, and inspiring outdoors.

The applicant’s research program should address fundamental biological questions relevant to neurodevelopmental disorders physiopathology and treatment, from the cellular/molecular to network levels, using human-derived neurons. We especially encourage applicants using state-of-the-art iPSC preparations and reprogramming, CRISPR-CAS9 gene editing, imaging and/or electrophysiological approaches.

Applicants must hold a Ph.D. degree, with postdoctoral experience and a strong publication record. Candidates will be expected to develop an innovative, internationally recognized, externally funded research program and contribute to teaching as well as to some administrative and academic activities at CHUSJ and UdeM.

Applications must be submitted electronically at janetta.bijl@recherche-ste-justine.qc.ca. Applications received by **January 25, 2019** will be given priority consideration, but the position will remain open until filled. Completed applications will consist of a cover letter, curriculum vitae and a statement of research interests (2-page limit).

About CHU Sainte-Justine Research Centre

CHUSJ is the only mother-child university hospital centre in Quebec and the largest in Canada. With more than 1,200 employees, including more than 200 researchers, the dynamic and cutting edge research performed at CHUSJ Research Centre aims at deciphering the mechanisms underlying disease as well as developing new diagnostic, therapeutic and preventive tools to improve quality of life and care for children. For more information, please visit us at <http://recherche.chusj.org/en/Home>

About Université de Montréal

The Université de Montréal is one of the leading research universities in Canada. Together with its two affiliated schools, HEC Montréal and École Polytechnique, it constitutes one of the largest centres of higher education in North America. For more information, please visit www.umontreal.ca.

About Faculty of Medicine

An internationally renowned institution, the Faculty of Medicine has the threefold mission of education, research and the improvement of health in the areas of clinical sciences, basic sciences and health sciences. It has 16 departments, two schools and more than 700 professors (excluding clinical professors), serving more than 6000 students. A third of the physicians in Québec and a large number of health professionals in the province have been trained at the Université de Montréal's Faculty of Medicine.

*** Language Policy**

Université de Montréal is a Québec university with an international reputation. French is the language of instruction. To renew its teaching faculty, the University is intensively recruiting the world's best specialists. In accordance with the institution's language policy, Université de Montréal provides support for newly-recruited faculty to attain proficiency in French in accordance with [The institution's language policy](#)

Confidentiality

The Université de Montréal application process allows all regular professors in the Department to have access to all documents unless the applicant explicitly states in her or his cover letter that access to the application should be limited to the selection committee. This restriction on accessibility will be lifted if the applicant is invited for an interview.

Equal Access Employment Program

Through its Equal Access Employment Program, Université de Montréal invites women, Aboriginal people, visible and ethnical minorities, as well as persons with disabilities to apply. During the recruitment process, our selection tools will be adapted to meet the needs of people with disabilities who request it. Be assured of the confidentiality of this information. Université de Montréal is committed to the inclusion and the diversity of its staff and also encourages people of all sexual and gender identities to apply.

Immigration Requirements

We invite all qualified candidates to apply at UdeM. However, in accordance with immigration requirements in Canada, please note that priority will be given to Canadian citizens and permanent residents.