Assistant or Associate Professor-researcher in neuroscience specializing in the use of brain organoids to understand neurodevelopmental disorders and develop therapies

CHU Sainte-Justine Azrieli Research Center
Department of Neuroscience, Faculty of Medicine, Université de Montréal

The CHU Sainte-Justine Azrieli Research Center (CHUSJ-ARC) and the Department of Neuroscience at the Université de Montréal (UdeM) are inviting applications for a position as an assistant or associate professor-researcher in neuroscience, specializing in developmental neurobiology. The successful candidate will be expected to establish an internationally competitive research program leveraging the use of organoids to investigate mechanisms underlying genetic neurodevelopmental disorders and to develop therapies, including gene editing and antisense oligonucleotide approaches, aimed at treating these conditions. The research program may cover various aspects of neurodevelopment, ranging from the molecular regulation of early development to the study of synaptic function and neuronal circuits.

CHUSJ-ARC and UdeM aim to develop world-class expertise in developmental neuroscience. The successful candidate will play a key role in strengthening the CHUSJ-ARC's research capacity in this field. With specialized clinical programs in neurodevelopmental disorders, CHUSJ has identified the study of underlying mechanisms and the development of therapies as a strategic priority. The institution has made substantial investments to support major initiatives and institutional platforms, including genomics, iPSC production, gene-editing technologies, and biobanking facilities. The research axis *"Child Brain and Development"* brings together specialists studying the genetic, cellular, and molecular mechanisms underlying normal behavior, learning, cortical plasticity, as well as conditions such as epilepsy, intellectual disability, autism, and malformations of the central nervous system.

The successful candidate will have the opportunity to collaborate with other research groups within the Faculty of Medicine network and the broader Montreal neuroscience community. Montreal is home to one of the largest neuroscience communities in North America and is a vibrant, international, and welcoming city known for its excellent cuisine, diverse and creative cultural and musical scenes, and extensive outdoor activities.

For more information about CHUSJ-ARC, please visit: http://recherche.chusj.org/en/Home
For more information about the UdeM Department of Neuroscience: http://neurosciences.umontreal.ca/

Your Role

Through undergraduate and graduate teaching, as well as your research activities, you will contribute to promoting excellence at UdeM and CHUSJ-ARC. You will also contribute to the visibility of your discipline and participate actively in the functioning of these renowned institutions. In this role, you will be expected to:

- teach at all academic levels within the Department of Neuroscience;
- supervise undergraduate students, graduate students, and postdoctoral fellows, contributing to their academic and scientific development;
- develop and maintain an active and productive research program in neuroscience and secure independent funding from federal granting agencies;
- build a network of local collaborations, particularly at CHUSJ and more broadly across UdeM and the Montreal scientific community, as well as nationally and internationally;
- contribute to the scientific life of the Department of Neuroscience, the Faculty of Medicine, and CHUSJ-ARC by participating in various committees and working groups, thereby enhancing institutional life;
- actively promote your discipline through conferences, scientific publications, and the organization of major

scientific events.

What You Need to Succeed

- a completed doctoral degree;
- postdoctoral experience related to the use of brain organoids for the study of neurodevelopment;
- a strong research record including publications and other significant contributions in fundamental neuroscience related to neurodevelopment;
- expertise in experimental approaches such as the use of organoids and the development of innovative therapies for genetic brain disorders;
- demonstrated ability to provide high-quality university teaching and mentoring of students;
- strong motivation and ability to develop collaborative research efforts and contribute to the activities of the institution and its affiliated centers;
- sufficient knowledge of the French language or a commitment to learn it once in the position, notably through UdeM's French-language learning support program.

Application Submission

You are invited to submit a single PDF document containing the following items in this order:

- A cover letter (maximum three pages);
  **To comply with Government of Canada requirements, please include in your letter one of the following statements "I am a Canadian citizen or permanent resident of Canada" or "I am not a Canadian citizen or permanent resident of Canada";
- A document detailing the research program you intend to pursue (maximum three pages including references);
- A curriculum vitae;
- The names, professional affiliations, and email addresses of three peers who are familiar with your training and academic career.

The application package must be submitted by email no later than March 30, 2026, to:

Dr. Jacques L Michaud
Director of Research
Centre de recherche Azrieli du CHU Sainte-Justine
Email (Assistant, Scientific Affairs and Development): annie.theoret.hsj@ssss.gouv.qc.ca

Additional Information About This Position

Application deadline	Until March 30, 2026 inclusively
Salary	The CHUSJ-ARC and the UdeM offer competitive salaries and a full range of benefits.
Starting date	As of September 1, 2026 (negotiable)

EQUITY, DIVERSITY, AND INCLUSION

The CHUSJ-ARC and UdeM place the values of diversity, equity, and inclusion at the core of all their missions. Accordingly, the CHUSJ-ARC and UdeM adopt a broad and inclusive definition of diversity that goes beyond applicable legislation and encourage all qualified individuals, regardless of their characteristics, to apply.

To assess the impact of initiatives in EDI, the institutions collect information from applicants regarding their identification with any of the groups targeted by the Act respecting equal access to employment (e.g., women, Indigenous peoples, visible minorities, ethnic minorities, and persons with disabilities). The information provided is confidential. If you wish, you may indicate your membership in one of these groups in your cover letter, which will be reviewed by the selection committee during the evaluation process.

In addition, if you wish for your application to remain confidential until the establishment of the shortlist, please indicate this as well.