



## Postdoctoral Researcher Position

**Institution:** ABCD Research Laboratory

**Location:** Montreal, Quebec, Canada

**Start Date:** Flexible

**Duration:** Full-time, 1 years (with possibility of renewal)

**Salary:** Commensurate with experience; includes benefits

---

### About the Position

We are seeking a highly motivated postdoctoral researcher to join an interdisciplinary team focused on advancing our understanding of brain and child development using a cross-diagnosis approach. The postdoctoral fellow will work under the supervision of Professor Brossard-Racine in a collaborative environment that integrates expertise in neuroimaging, cognitive neuroscience, computational modeling and neonatology.

---

### Research Environment

The **Advances in Brain and Child Development Research Laboratory (ABCD lab)** focuses on clinical and neuroscientific investigations into the underlying mechanisms of function and dysfunction in individuals with brain-based disorders. Our goal is to enhance brain recovery, support children's healthy development, and inform service delivery from birth to early adulthood. Our interdisciplinary approach combines brain Magnetic Resonance Imaging techniques with standardized clinical assessments, to promote early detection of non-optimal brain and / or functional development.

The position is embedded within the vibrant research ecosystem of **McGill University Health Centre (MUHC)** and **McGill University and the McGill University Health Centre (MUHC)**. As a world-renowned biomedical and hospital research centre, McGill is recognized for its excellence in neuroscience, health sciences research, and innovation. The MUHC provides access to cutting-edge clinical and research facilities, providing team members with unique opportunities to collaborate with leading experts in neuroscience, pediatrics, imaging, psychology and rehabilitation. The Candidate will also have the opportunity to collaborate with our many collaborators at **Douglas' Cerebral Imaging Center** and the **Neuro**.

For more information on the benefits and opportunities of working as a Postdoctoral Trainee at the RI-MUHC, please see: <https://rimuhc.ca/study-at-the-ri-muhc>

---



## Responsibilities

- Lead and contribute to advanced neuroimaging data acquisition and analysis.
- Develop and optimize data processing pipelines.
- Collaborate with a multidisciplinary team of neuroscientists, engineers, and clinicians.
- Contribute to data quality control, documentation, and database management.
- Prepare manuscripts and present findings at scientific conferences.

## Required Qualifications

- Ph.D. degree in a relevant field (e.g., psychology, neuropsychology, neurosciences, biomedical physics)
- Substantial experience in acquiring, processing, analyzing, and interpreting MRI data. This should include expertise with relevant software (e.g., FSL, FreeSurfer, ANTs, SPM, Mtrix).
- Proficiency in programming and statistical analysis (e.g., Python, MATLAB, R).
- Strong writing skills in English (knowledge of French, an asset but not required).
- Established publication record.
- Ability to work independently and collaboratively in a team setting.
- Excellent communication and organizational skills.

Please refer to McGill's requirements on postdoctoral appointments, for conditions and additional information on the status of the position: <https://www.mcgill.ca/gps/postdocs/future-postdocs/eligibility>. Please note that non-Canadian postdoctoral fellows must have valid Citizenship or an Immigration Canada (CIC) work permit to legally work in Canada.

This full-time postdoctoral position is for 1 years with the possibility of renewal. Salary will be commensurate with experience and starts at 45k/year + benefit.

## Equity, Diversity, and Inclusion

The **Research Institute of the McGill University Health Centre (RI-MUHC)** hires based on merit and is strongly committed to upholding equity, diversity, and inclusion within its community. We welcome applications from all qualified candidates who identify as members of racialized groups / visible minorities, women, Indigenous peoples, persons with disabilities, ethnic minorities, and 2SLGBTQIA+ individuals.

We also welcome candidates who possess the skills and knowledge to engage productively with diverse communities. Persons with disabilities who anticipate requiring accommodations for any part of the application process may contact, in confidence, [research.talent@muhc.mcgill.ca](mailto:research.talent@muhc.mcgill.ca).

---



## Application Instructions

Please submit the following in a single PDF file:

- Cover letter
- Curriculum Vitae (including publication list)
- Two writing samples;
- Contact information for two academic references

Send your application to: **helin.polat@rimuhc.ca**

Applications will be reviewed on a rolling basis until the position is filled.