



---

Project title	Validation of cutting edge techniques for isolating extracellular vesicles from biological samples and assay their content
Study level(s)	<input checked="" type="checkbox"/> Postdoctorate
Principal investigator(s)	Tomas Paus
Project duration	To be determined
Start date	Fall 2021

---

Date of posting: 2021-08-04

### Research laboratory presentation

Applications are invited for a post-doctoral position in the Population Neuroscience Laboratory based at the University of Montreal and headed by Tomas Paus. The laboratory provides a dynamic, interdisciplinary setting for studies of environmental and genetic factors that are shaping structure and function of the human brain (<https://www.chusj.org/Bio?id=4b3a4dbd-1e3c-4743-a0be-876757fe2d61&lang=en>). We are part of IVADO (<https://ivado.ca/en/>), a community of 1000+ scientists working in the field of digital intelligence.

### Research project description

Applications are invited for a joint post-doctoral position in the Population Neuroscience Laboratory (Head: T. Paus) and Pediatric Oncogenomics Laboratory (Head: Daniel Sinnett) based at the Sainte Justine University Health Center - University of Montreal. The successful candidate will work at the interface between molecular biology (Sinnett) and population neuroscience (Paus) to participate in the validation of cutting edge techniques for isolating extracellular vesicles from biological samples and assay their content. This approach will, in turn, be integrated into our ongoing studies aimed at discovering molecular pathways underlying brain development in health and disease.

### Required training and profile

The selected candidate will work in two multi-disciplinary teams of experienced researchers, post-doctoral fellows, graduate students and clinicians.

The applicant must have:

- PhD in biochemistry, molecular, developmental and cell biology;
- The candidate should be a team player able and willing to interact with others;
- Excellent communication skills (oral and written), should be diligent and open minded with a flexible approach to working in an academic environment;
- Ability to multitask, and a real appetite for acquiring new skills and knowledge are positive advantages in applying for this role.

### Submit your application

For inquiries about this position, contact **Dr. Tomas Paus** ([tomas.paus@umontreal.ca](mailto:tomas.paus@umontreal.ca)) and **Dr. Daniel Sinnett** ([daniel.sinnett@umontreal.ca](mailto:daniel.sinnett@umontreal.ca)).



### Deadline for application

August 31st, 2021

### Please provide:

- ✓ *Curriculum vitae*
- ✓ Cover letter
- ✓ Names of referees

### Equity, diversity and inclusion

The masculine gender is used without discrimination and for the sole purpose to facilitate reading. The CHU Sainte-Justine subscribes to the principle of equal access to opportunities and invites women, members of visible and ethnic minorities, persons with disabilities and Indigenous people to apply. We would appreciate it if you could inform us of any disabilities that would require technical and physical accommodation adapted to your situation during the selection process. Please be assured that we will treat this information as confidential.

### Studies at the CHU Sainte-Justine Research Center

Pursue your [graduate or postdoctoral studies](#) at the **CHU Sainte-Justine Research Center**, and be one of the 500 students, fellows and interns involved in accelerating the development of knowledge in the field of maternal, child and adolescent health, whether in basic or clinical research. Under the supervision of prominent scientists, especially in leukemia, rare pediatric diseases, genetics, perinatology, obesity, neuropsychology and cognition, scoliosis and rehabilitation, you will have the opportunity to work with multidisciplinary scientific teams and collaborators from all over the world.

### About the CHU Sainte-Justine Research Center

**CHU Sainte-Justine Research Center** is a leading mother-child research institution affiliated with Université de Montréal. It brings together more than 200 research investigators, including over 90 clinician-scientists, as well as 500 graduate and postgraduate students focused on finding innovative prevention means, faster and less invasive treatments, as well as personalized approaches to medicine. The Center is part of CHU Sainte-Justine, which is the largest mother-child center in Canada and the second most important pediatric center in North America. More on [research.chusj.org](http://research.chusj.org)

