



UNIVERSITÉ
LAVAL

Faculté de médecine

DEPARTMENT OF PSYCHIATRY & NEUROSCIENCES
NEUROSCIENCE AXIS
CENTRE DE RECHERCHE CHU DE QUEBEC-UNIVERSITÉ LAVAL

Postdoctoral position - neurobiology of Parkinson's disease

We are inviting applications for a postdoctoral fellow at the Faculty of Medicine, Laval University, in Quebec City, Canada. The selected candidate will join the team of Dr. Aurelie de Rus Jacquet.

Research:

Our team specializes in the study of Parkinson's disease in order to describe the molecular mechanisms regulating disease progression. Dr. de Rus Jacquet studies the role of glial cells in disease pathogenesis and the mechanisms by which they regulate cellular interactions at the blood-brain barrier. We use induced pluripotent stem cell-based models and microfluidic technologies to study cellular interactions and describe the mechanisms underlying Parkinson's disease (www.derusjacquetlab.com).

The project:

The project will focus on understanding multicellular communication at the blood-brain barrier in neuroinflammation and neurodegeneration in Parkinson's disease. The objective is to identify new targets and innovative therapeutic approaches to slow or halt disease progression. Methodological approaches heavily rely on iPSC cell culture and directed differentiation towards specialized cell types, along with ex-vivo patient samples and postmortem tissue.

Your profile:

- PhD in Neurosciences, Molecular and Cell Biology or a related background
- Cell culture expertise is an asset
- Work independently and as part of a team
- Highly motivated
- Dynamic, curious and eager to improve patients' health

The working environment:

We are located in a dynamic and constantly evolving work environment. We strive to offer a workplace where every team member can grow and explore their scientific creativity. The working languages are English and French. Université Laval is a French-speaking university (<https://www.ulaval.ca/>). Québec City is a UNESCO World Heritage destination and offers a rich student experience in one of Canada's most beautiful cities (<https://www.quebec-cite.com/en>).

Apply now:

For more information, please contact Dr. Aurélie de Rus Jacquet:

aurelie.jacquet@crchudequebec.ulaval.ca. Applications will be reviewed regularly until the position is filled. Candidates selected for an interview will be contacted.

Interested candidates are invited to send the following documents in PDF format to Dr. Aurélie de Rus Jacquet:

- A CV describing your academic background, research experience, skills, awards and publications.
- A cover letter describing your previous experience, career goals and research interests
- Names and e-mail addresses of three people who can provide letters of recommendation