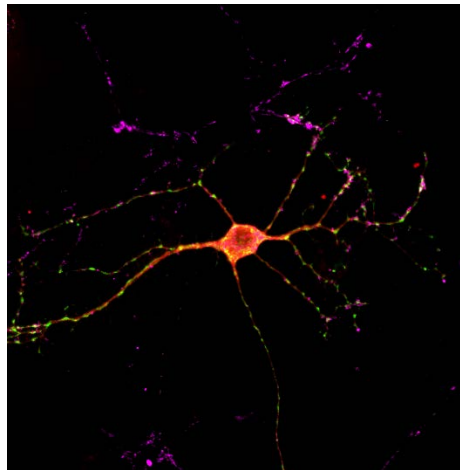


## **Postdoc opportunity in the Trudeau lab in Montreal to study dopamine neuron biology and vulnerability**



### **Exploring the fundamental mechanisms of dopamine release and dopamine neuron vulnerability**

**Supervisor: Dr. Louis-Eric Trudeau**

A postdoc position is presently available in the laboratory of Dr. Louis-Eric Trudeau at the University of Montreal to work on projects that focus on the fundamental mechanisms of dopamine release and on the vulnerability of these neurons in Parkinson's disease models. The ideal applicant is someone who recently completed (or is very close to completing) a Ph.D. in the field of neuroscience, has experience in the use of mouse models and techniques such as fluorescence-based approaches, electrophysiology/electrochemistry and the use of viral vectors. Accomplishments in the form of peer-reviewed publications is also expected. The successful candidate will work on exploring the molecular mechanisms that mediate different forms of dopamine release and the links between dopamine neuron connectivity and their vulnerability in Parkinson's disease models. The work will involve a range of state-of-the-art techniques including mouse genetics, genetically encoded neurotransmitter sensors, in vitro and in vivo models and a range of fluorescence imaging approaches. Competitive salary support will be provided. The Université de Montréal is one of the top research universities in Canada and the city of Montreal offers an ideal combination of critical mass in the field of neuroscience and quality of life. The applicant is also expected to apply the University of Montreal Center for Biomedical Innovation postdoctoral fellowship competition (<https://cibmontreal.ca/en/news/launch-of-the-2025-postdoctoral-fellowship-competition/>) (deadline May 27).

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