

## **Sex-specific role for the EphA2 receptor in psychiatric disorders (preclinical neuroscience)**

Graduate student, up to two (2) positions, MSc or PhD, in cellular and systems neurobiology (preclinical neuroscience) available S24 or F24.

**Project description:** These studies will use animal models of disorders of depression or schizophrenia to characterize the sex-specific impacts of the EphA2 receptor.

**Requirements:** A background in molecular or cellular biology and/or molecular or cellular neuroscience is mandatory and comfort working with rodents is necessary.

**Appointment and salary:** MSc \$28,000/year; PhD \$30,000/year. Graduate students are also guaranteed one TA during the course of their studies (on top of their stipend).

**Additional information:** The lab of Dr. Perreault is multidisciplinary with opportunities to train in cellular neurobiology, neuropharmacology, systems neuroscience, and behavioural neuroscience. We employ techniques such as primary neuronal cell culture, *in vitro* and *in vivo* systems electrophysiology, biochemistry, *in vivo* AAV technologies, gene expression assays, omics, coding, advanced statistical methods. Collaborations with the Department of Plant Agriculture to study holistic approaches to health (e.g. psychedelics) are possible but not guaranteed.

Dr. Perreault offers a welcoming and supportive work environment and strongly encourages applications by those from marginalized groups.

Send unofficial transcripts and short statement of interest to Dr. Melissa Perreault  
[perreaum@uoguelph.ca](mailto:perreaum@uoguelph.ca)