



UNIVERSITÉ DE
SHERBROOKE

Faculté de médecine
et des sciences de la santé

CENTRE DE
RECHERCHE



Looking for M.Sc or Ph.D students in chronic pain neurophysiology

Research program: Chronic pain neuroimaging and discovery of treatment response biomarkers

Potential projects:

1. Human: Discovery of brain, psychometric and genetic marker of treatment response propensity for chronic low back pain
2. Animal: Implementation of chronic lumbar pain models for cerebral, behavioral and genetic evaluation

Skills to acquire:

- Patient recruitment and psychometric data acquisition
- Acquisition and analysis of structural and functional Magnetic Resonance Imaging (MRI) in human and rats
- Behavioral evaluation in rats
- Preparation of biological material for genetic evaluation

Benefits:

- Collaboration with clinicians
- Access to animal and human MRI
- Translational and multimodal research
- Access to an animal behavior platform unique in Quebec
- Quality living environment, close to nature and affordable

Required profile:

- BSc and / or MSc in the field of neuroscience, computer science, pharmacology, biology or field deemed relevant
- Knowledge or strong interest in learning concepts of computer programming
- Good level of scientific English, writing and communication skills, versatility, scientific rigor and resourcefulness.

Please send a cover letter and CV to:

Pascal Tétreault, PhD, Medical Imaging Axis, Research Center of the Centre Hospitalier

Universitaire de Sherbrooke

Department of Anesthesiology, Faculty of Medicine and Health Sciences, Université de Sherbrooke

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