

# Graduate student positions available

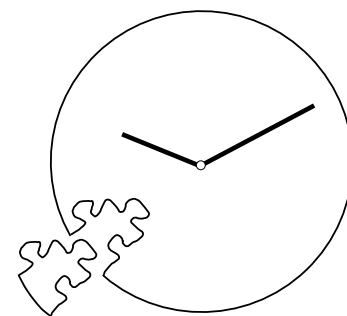
## *Circadian control of immune responses*

Laboratory of Molecular Chronobiology

Department of Pharmacology and Physiology

Courtois Institute of Biomedical Innovation

Université de Montréal



Laboratoire de  
Chronobiologie  
Moléculaire

Laboratory of  
Molecular  
Chronobiology

***Would you like to study how circadian clocks control immune responses and infections according to time of day? Join the Laboratory of Molecular Chronobiology for MSc or PhD studies!***

Research projects in the laboratory aim at defining the molecular mechanisms underlying circadian clocks and their links with physiology. This research is crucial to better understand circadian rhythms, and the numerous health issues that can arise following their dysregulation (such as in shift workers): sleep and mood disorders, cancer, metabolic syndrome, cardiovascular problems... **Different projects are available, the circadian regulation of the immune response and of the response to pathogens, using mouse models (in the context of CD8+ T cell response to vaccination, and parasitic infections).**

**Département de pharmacologie  
et physiologie**  
Faculté de médecine

**Université   
de Montréal**

The selected candidates will do their MSc or PhD research under the supervision of **Dr. Nicolas Cermakian**, Professor and Chair of the Department of Pharmacology and Physiology, and will be registered to a graduate program of the same department. The research project will be taking place at the Laboratory of Molecular Chronobiology, within the Courtois Institute of Biomedical Innovation (CI<sup>2</sup>B), on the main campus of Université de Montréal. More information about the laboratory can be found at <http://labocermakian.openum.ca/en>.



**Institut Courtois  
d'innovation  
biomédicale**

### Profil attendu des personnes candidates

Formation: B.Sc. or M.Sc. in basic biological sciences (e.g. Immunology, Molecular Biology...) at the time of taking up the position, and a CGPA according to the rules of admission of the graduate programs of the department.

Research Experience: Prior lab experience constitutes a clear asset for the applications, in particular mouse work, molecular/immunology approaches, bioinformatic analyses.

### Comment postuler

To apply for a position, the following documents should be sent by email to Dr. Nicolas Cermakian ([nicolas.cermakian@mcgill.ca](mailto:nicolas.cermakian@mcgill.ca)):

- Letter of presentation/motivation
- CV (including list of several reference persons)
- University transcripts