

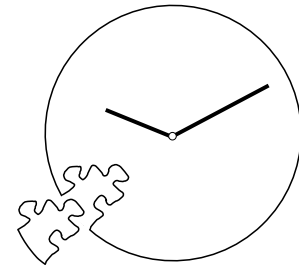
Graduate student and postdoctoral trainee positions available

Circadian control of immune functions

Laboratory of Molecular Chronobiology

Douglas Research Centre

McGill University, Montreal



Laboratoire de
Chronobiologie
Moléculaire

Laboratory of
Molecular
Chronobiology

Description

Graduate student and postdoctoral fellow positions are available. 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... **The selected candidate will join our ongoing efforts to study the circadian regulation of the immune response and of the response to pathogens, using mouse models** (see e.g. Nobis et al., *PNAS*, 2019; Fortier et al., *J. Immunol.*, 2011; Cermakian & Labrecque, *J. Immunol.*, 2023; Carvalho Cabral et al, *iScience*, 2024; Kiessling et al, *Sci. Rep.*, 2017).

The selected candidates will work under the supervision of **Dr. Nicolas Cermakian**, Director of the Laboratory of Molecular Chronobiology, at the Douglas Research Centre and McGill University, and within collaborations with **Dr. Nathalie Labrecque** (IRCM, Univ. Montréal), **Dr. David Langlais** (McGill Univ.) and/or **Dr. Martin Olivier** (McGill Univ., RI-MUHC). More information about the laboratory can be found at: <http://ncermakianlab.mcgill.ca>.

Expected background of candidates

For a graduate student position: Candidates should hold a B.Sc. or M.Sc. in basic biological sciences (e.g. Immunology, Molecular Biology...) at the time of taking up the position.

For a postdoc position: Candidates should hold a Ph.D. in basic biological sciences (e.g. Immunology, Molecular Biology...) at the time of taking up the position, and strong research experience in one or more of the approaches listed below.

Prior lab experience for one or more of the following approaches constitutes a clear asset:

- Mouse work, in particular with molecular immunology approaches
- Bio-informatic/genomic analyses
- Molecular/cellular biology approaches



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How to apply

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

- Letter of presentation/motivation
- CV (including list of several reference persons)
- University transcripts (for applications for an MSc/PhD student position)