



CRCHUM
CENTRE DE RECHERCHE

**PhD student/Post-Doc
Position**

Laboratory of Dr. Nathalie Grandvaux, CRCHUM Montreal
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Our laboratory is interested in host-pathogen interactions. More particularly we are interested in the innate antiviral mechanisms triggered by virus infections that are under the control of redox-dependent mechanisms. Reactive Oxygen Species (ROS) have recently been shown to be key players in the regulation of signal transduction pathways that ultimately lead to gene regulation. Having characterized the role of NADPH oxidases in the innate antiviral response at the lung mucosa, we are now seeking at identifying the underlying mechanisms, particularly with regards to the redox-oxidative modifications (Ox-PTM) of signaling proteins.

Publications indexed on Pubmed:

<http://www.ncbi.nlm.nih.gov/pubmed?Db=pubmed&Cmd=DetailsSearch&Term=%22Grandvaux+N%22%5BAuthor%5D>

Requirements for candidates:

- Post-Doctoral fellow candidates should have or be close to finish a PhD, preferably in Biochemistry or related specialty with at least 2 publications in internationally recognized journals. Previous experience in the redox field will be an asset.
- PhD student candidates must have MSc in Biochemistry or related specialty with minimum GPA of 3.5 and eligible for the main institute's doctoral studentships.

The successful candidate also needs to have:

- High self-motivation.
- Willingness of working as a member of a team.
- Good written/spoken English communication skills.
- Be able to work under time constraints.
- High problem solving skills.

Fellowship/studentship support will be provided according to institutional guidelines and previous experience of the candidate.

To apply, please send your CV, a motivation letter and the name and email addresses of 2 references to Nathalie Grandvaux:
nathalie.grandvaux@umontreal.ca