

POSITION AVAILABLE FOR PH.D. CANDIDATE

CHUM Research Center
Laboratory of Daniel Kaufmann

DESCRIPTION

We are looking for a Ph.D. candidate motivated to pursue an immunovirology project within the global goal of finding a treatment against human immunodeficiency virus (HIV).

My laboratory focuses on the role of CD4 T helper cells in fighting HIV infection. Our three main research topics are: (i) the causes leading to CD4 T cell exhaustion during infection; (ii) the help supplied by CD4 T cells during the immune response to this virus; and (iii) the links between differentiation and regulation of CD4 T cells and their role as a viral reservoir. Overall, these projects will improve the design of preventive or therapeutic HIV vaccines and lead to a better understanding of the characteristics and regulation of latent reservoirs, therefore facilitating the emergence of novel HIV treatment strategies. Our research is carried out mainly on peripheral blood and lymphoid tissue samples from humans and non-human primates.

As part of an innovative impact project, the student will have the opportunity to acquire and develop new skills, particularly in multi-parametric flow cytometry, gene expression studies and related bio-informatics analyzes. State-of-the-art technical platforms are available in our new research center. Since the student will work closely with his research director and collaborators, he/she will have the opportunity to develop his/her own network. The student must communicate his/her findings to the scientific community at international conferences and peer-reviewed scientific publications. His/her enthusiastic work must contribute to the dynamism and radiance of our team and the research center while assuming our collaborative spirit.

Under the supervision of its research director, the candidate will have to carry out research activities with initiative and commitment. His/her specific tasks will include:

- Conduct research projects through the design, execution and analysis of experiments
- Maintain detailed documentation of the experimental work
- Present his/her work at meetings, conferences or symposia
- Work closely with colleagues and our network of partners
- Regularly inform its research director of progress made

QUALIFICATIONS

A master's degree in virology, immunology or related field with a minimum of two years of laboratory experience is required. Strong knowledge of the molecular biology of HIV is an asset. The candidate should demonstrate motivation and ability to work in a productive and dynamic environment. The sense of organization and rigor are prerequisite to the mastery of the sophisticated techniques used in the laboratory. Oral and written communication qualities are desired. Although the research department is bilingual (French and English), the nature of our team requires a proficient English. Occasional evening and weekend work is expected.

RELEVANT PUBLICATIONS AND WEB PAGE

A list of the publications of Dr. Daniel Kaufmann's laboratory can be found at pubmed via this address: [Kaufmann D \[Author\] AND \("hiv"\[Text\] OR Bihl F\[Author\] OR Sonntag K\[Author\] OR Baxter A\[Author\]\)](#). The laboratory web page is also accessible on this link: <http://crchum.chumontreal.qc.ca/en/researchers/kaufmann-daniel>.

HOW TO APPLY

The position is scheduled to begin on September 1, 2017, but can be flexible if needed. Applicants must submit a cover letter, a full curriculum vitae and the name of two references to Mathieu Dubé (Research Associate, mathieu.dube.chum@ssss.gouv.qc.ca), including those from abroad, will be required to come to Montreal for an interview.

Posted on June 12th, 2017