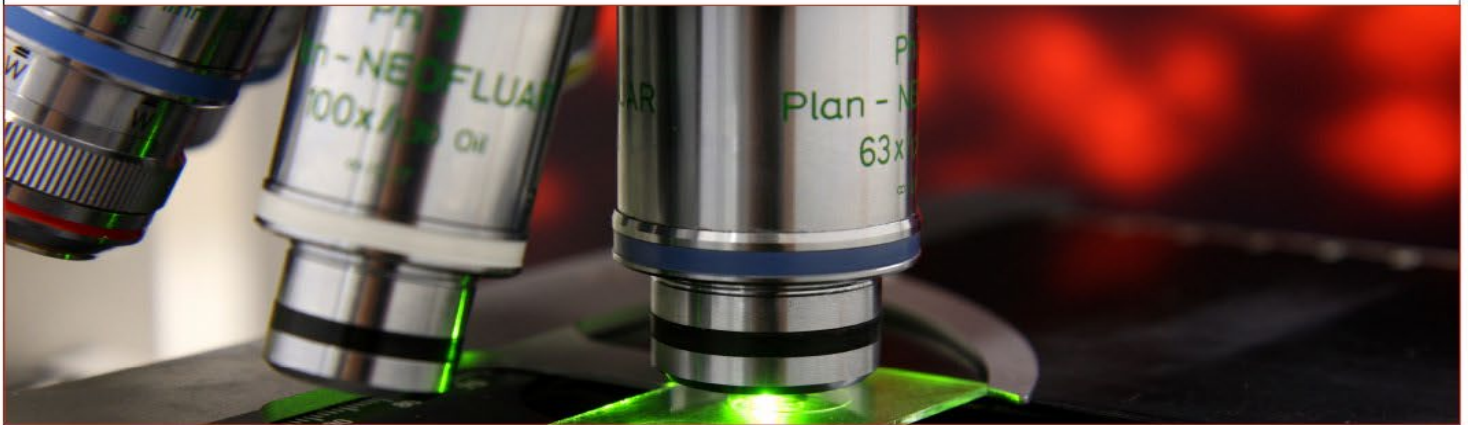


SÉMINAIRES ET CONFÉRENCES



CHRISTOPHER P. JONES

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“ Structures of dynamic viral RNA motifs by hybrid methods ”

Among infectious agents, RNA viruses are one of the greatest threats to global health. Owing to the small sizes of their genomes, RNA viruses doubly encode their genetic information not only in protein-coding sequences but also in complex structured RNA motifs. These motifs regulate key steps in the virus life cycle and are ideal targets for the development of RNA-targeted antivirals. Moreover, these motifs often function like conformationally dynamic switches existing in multiple competing states. My research aims to understand how viral RNA motifs fold and function using structural methods like X-ray crystallography and electron cryomicroscopy. In this seminar, I will show how these techniques complement to determine robust structural models of RNAs controlling translation in coronaviruses and retroviruses.



Faculté de médecine
Département de biochimie
et médecine moléculaire

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Le lundi 6 mars, 11h30

Pavillon Joseph-Armand-Bombardier, Salle : 1035

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