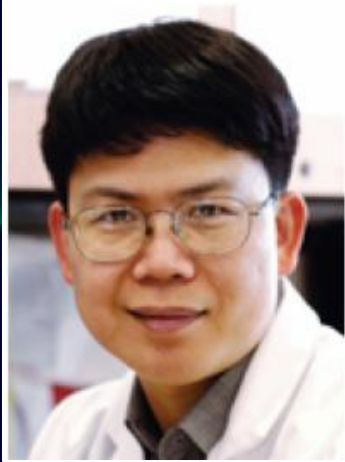


Faculté de pharmacie

Séminaire de l'axe

« Cibles thérapeutiques et pharmacothérapie »



The danger from within : Innate immune sensing and signaling of cytosolic DNA and RNA

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Pavillon Roger-Gaudry

10h30 – M-415

À l'invitation du professeur Marc Servant

The presence of DNA and aberrant RNA in the cytoplasm is a danger signal that alerts the host immune system to eliminate microbial infections, but inappropriate activation of these pathways can also lead to autoimmune diseases. In this seminar, I will first summarize our work on the biochemical dissection of the RIG-I pathway, which detects microbial RNA in the cytoplasm, and then focus on the more recent work on the discovery of a new innate immune sensor for cytosolic DNA, and a novel second messenger that triggers the production of type-I interferons and other inflammatory cytokines.

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