



Arinjay Banerjee
Principal Scientist

Laboratory of Zoonotic Viruses and Comparative Immunology (LZCI),
Vaccine and Infectious Disease Organization (VIDO), **University of Saskatchewan.**

***Deciphering the mechanisms of antiviral tolerance in bats
against emerging high consequence zoonotic viruses***

JEUDI 6 FÉVRIER 2025 à 12 h 30

Pavillon Charles-Eugène Marchand, salle Hydro-Québec (1210)

Abstract:

Bats are reservoirs of emerging zoonotic viruses of concern that cause severe disease in humans and agricultural animals. These viruses include SARS-CoV, SARS-CoV-2, MERS-CoV, Ebola and Marburg viruses, and Nipah and Hendra viruses to name a few.

However, it is poorly understood how bats can tolerate diverse viral infections, knowledge that could help pave the way for new therapeutic strategies.

In this talk, we will discuss the latest discoveries that explain the unique ability of bats to tolerate infections with viruses that are highly lethal in humans.

Ultimately, our work provides important insights into the evolution of enhanced antiviral responses in bats, contributing to their unique ability to resist viral diseases and informing strategies of designing novel therapeutics for humans.

Hôtes : Sophie Gobeil et Edel Pérez-Lopez

Responsables: Juan Carlos Villarreal Aguilar et Davoud Torkamaneh
uan-carlos.villarreal-aguilar@bio.ulaval.ca et davoud.torkamaneh.1@ulaval.ca