CONFÉRENCE

Dr. Jenny-Lee Thomassin, Assistant Professor
Department of Biochemistry, Microbiology and Immunology
University of Saskatchewan

Klebsiella pneumoniae: Shipping out virulence factors.

VENDREDI, 21 AOÛT 2026 à 12h30

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

Abstract:

Understanding how bacteria interact with their surrounding environment is key to understanding the infectious cycle of one health pathogens. Klebsiella pneumoniae is considered a quintessential one health pathogen as it impacts the environment, animals and humans. In particular, the detection of novel antimicrobial resistance genes in K. pneumoniae often precedes worldwide spread. The emergence and spread of multi-drug resistant and hypervirulent K. pneumoniae pathotypes have led to renewed interest in identifying and characterizing virulence factors and identifying potential vaccine targets. In this seminar, I will discuss the molecular assembly and function of a nanomachine used by K. pneumoniae to secrete proteins.

Hôte: Edel Pérez Lopez

Responsables: Juan Carlos Villarreal Aguilar et Ilga Mercedes Porth
juan-carlos.villarreal-aguilar@bio.ulaval.ca et ilga.porth@sbf.ulaval.ca