UNIVERSITÉ LAVAL

INSTITUT DE BIOLOGIE INTÉGRATIVE ET DES SYSTÈMES IBIS

C O N F É R E N C E

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Professor/Professeur titulaire

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The nexus of chromatin remodeling and hypoxic adaptation in fungi

VENDREDI, 14 NOVEMBRE 2025 à 11 h 30

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

Abstract:

A critical but poorly understood aspect of eukaryotic microbes is the ability to sense and adapt to variations in the oxygen concentration in their colonized niches. Inside the human host, the opportunistic yeast *Candida albicans* and other pathobionts colonizes predominantly hypoxic niches such as the gastrointestinal and vaginal tracts. So far, the mechanisms that communicate oxygen status to the fungal fitness machinery in *C. albicans* and in many other human fungal pathogens remains mostly unexplored. In this seminar, Dr. Sellam will discuss his recent research highlighting novel mechanisms that link oxygen levels to the metabolic processes and overall fitness of fungi.

Hôte: Christian Landry

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