

C
O
N
F
É
R
E
N
C
E



Jonathan Jacobs

Associate Professor, Department of Plant Pathology
Université d'Ohio

Evolution of niche-specificity in plant pathogenic bacteria

Jeudi 7 décembre 2023 à 12 h 30

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

Vous pouvez maintenant assister à la conférence via Zoom en cliquant sur ce lien :

[Accéder à la vidéoconférence](#) (pour une expérience plus agréable, préférez l'installation de l'application Zoom à l'utilisation du navigateur). >> [Instructions pour la configuration de l'audio](#) <<

Résumé:

Plant leaves are living landscapes for microorganisms such as bacteria. These foliar bacteria often colonize specific hosts and tissue types, and for pathogens, this niche-specificity often dictates important outcomes for plant health. The molecular requirements for microbial host- and tissue-specific plant colonization are poorly understood, and our team works to define the molecular and evolutionary drivers of niche-specific colonization of plants by bacteria. We have used natural and agricultural ecological surveying to drive towards understanding the molecular function of pathogen niche shifts that lead to plant outbreaks. We have observed gene loss as a major mechanism for shifts in host- and tissue-specific leaf colonization. New advances will be presented around the theme of the basis of leaf colonization.

Hôte: Jean-Baptiste Leducq

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