

知の間欠泉

Field Center Seminar

Geyser of Knowledge



Date & Time

Oct 28, 2026 (Wed) 12:00–13:00



Location

Online (Google Meet)

Google Meet
QR Code



meet.google.com/gps-fqvq-yaw

Title of the Talk

Beneficial Bacterial-Plant Interactions: From Growth Promotion and Colonization to Cross-Host Effects



Speaker

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Abstract

Beneficial plant-associated bacteria influence plant growth through interactions with their hosts and surrounding microbial communities. However, the factors governing bacterial colonization, interactions among introduced microorganisms, and their ability to establish and promote plant growth in different hosts remain incompletely understood. Understanding these processes is important for improving the effectiveness and consistency of microbial inoculation. Studies in sweet potato and tomato have examined plant growth promotion, bacterial colonization, endophytic microbial communities, and responses to single and combined bacterial inoculations. Recent research has further examined whether a *Bacillus* strain isolated from the sweet potato rhizosphere can promote growth and colonize tomato, providing new insights into beneficial bacteria-plant relationships and cross-host effects.



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