



# CAES

The Connecticut Agricultural Experiment Station

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## CAES SEMINAR SERIES

# **“It’s a Rough World Out There: How a Plant’s Microbes Survive Antimicrobials and Predation”**

**Dr. Ravikumar Patel**

**Postdoctoral Research Scientist**

**Dept. of Plant Pathology and Ecology, CAES**

**Wednesday, November 10, 2021**

12:00 noon to 1:00 p.m.

Food and coffee will be available at 11:45 a.m.

**Jones Auditorium**

**The Connecticut Agricultural Experiment Station**

**123 Huntington Street, New Haven, CT**

Plant-associated bacteria are constantly facing several different environmental stresses, and keep evolving new survival strategies to cope. Studying the survival mechanisms of plant-associated bacteria could help improve disease management and enhance the use of plant beneficial bacteria. In my talk, I will discuss how the plant pathogen *Pseudomonas syringae* pv. *phaseolicola* survives both an antibiotic (streptomycin) and a bacteria membrane disrupting protein (tailocin). I will also discuss the survival strategies of plant root associated bacteria against predators.