



RIVERSIDE

DEPARTMENT OF ENTOMOLOGY
Entomology Seminar Series



Speaker:

Matthew J. Medeiros, Ph. D.
University of Hawaii, Manoa

Date: Monday, April 21, 2025
Time: 4:00 pm - 4:50 pm
Format: In-Person Seminar & Virtual Access
Location: Genomics Auditorium 1102A
Zoom: 925 1024 6439
Passcode: 807129

Title:

"Habitat type predicts the occurrence of Hawaiian insects and insect gut microbes"

Abstract:

Factors that determine the distribution of organisms may include proximity to close relatives, dispersal ability, biotic interactions, and abiotic conditions. The Hawaiian islands provide an excellent opportunity to test predictions about distribution due to their repeated emergence over a volcanic hotspot that has resulted in multiple islands with similar abiotic conditions. The distribution of two groups of moths and two groups of *Drosophila* gut microbes in Hawaii all suggest that abiotic conditions are a strong predictor of their distribution and that organisms will disperse to suitable habitat types when they are available.