

# MARILYN & JAMES HYDE SEMINAR SERIES

**Expert in Plant Defense,  
Bioimaging, and Sustainable  
Crop Protection**

## BIOGRAPHY

**Fiona L. Goggin** is a University Professor in the Department of Entomology and Plant Pathology at the University of Arkansas. She earned her Ph.D. in Entomology from the University of California, Davis, and a B.S. in Plant Science from Cornell University. Dr. Goggin's research centers on the mechanisms of host plant resistance to aphids and nematodes—major agricultural pests that exploit the plant vascular system—and on the interplay between primary metabolism and plant immunity. Her recent work investigates the role of chloroplasts in mediating plant responses to aphid attack, the interactive effects of fatty acid metabolism and reactive oxygen species signaling on growth and defense, and the potential of rhizobacteria to deliver defense activators to roots. She also directs the Arkansas Bioimaging Facility for Agricultural Research, a core resource for confocal microscopy, and collaborates on projects in plant phenomics and AI-driven analysis of “omics” data. The long-term goal of Dr. Goggin's research is to translate fundamental insights into plant immunity into sustainable, environmentally sound strategies for crop protection.



**Fiona L. Goggin, Ph.D.**

**Monday, December 1st, 12:00  
PM – 1:00 PM**

Join Zoom Meeting from PC, Mac, Linux, IOS,  
or Android:

<https://wsu.zoom.us/j/93445476176>

Meeting ID: 934 4547 6176

Passcode: 453886