



Science Seminar

Friends vs. Foes: *A Fungal Tale*



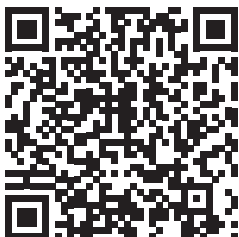
Madison Newman

PhD student (Ma lab)

Organismic and Evolutionary Biology, University of Massachusetts Amherst

**Tuesday,
September 26, 2023
7:00 pm on Zoom**

To register, visit
bit.ly/3EzmQs3



During this seminar, Madison will be discussing plant-fungal interactions, specifically on the fungus *Fusarium oxysporum* and model plant *Arabidopsis thaliana*. Madison will focus on the endophytic strain of *F. oxysporum*, Fo47, which has been seen to cause a beneficial response in host plants. This work will be a comparative analysis with a pathogenic strain of *F. oxysporum* to ultimately discover what makes the endophytic strain beneficial to host plants. Madison will also be reflecting on what she has learned and what experiences she gained throughout her research journey, as well as what helped pave her way to a scientific career.

Alumna of Dominican University, Madison Newman is a first year PhD student in Organismic and Evolutionary Biology studying under Li-Jun Ma. Madison's main research interests focus on beneficial fungi and how they interact with plants. She is passionate about helping and inspiring other young scientists to find their own paths in research.