



From Chaos comes Order: Genetics and Genome biology of Arbuscular Mycorrhizal Fungi

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The genetics of arbuscular mycorrhizal fungi (AMF) have been notoriously difficult to assess due to their perpetual multinucleated state, obligate plant biotrophy, and lack of observable sexual reproduction. Here, I will present recent collaborative work that combines AMF genomics, single nucleus analysis and chromatin conformation capture, and discuss how this work has reshaped our understanding of AMF genetics and (para)sexual potential, and revealed intricate genetic interactions between these fungi and their plant hosts.

Host: Dr. Aaron Reinke

Date: Monday, September 11th, 2023

Time: 3:00 PM

Place: Room 254 (MC) Mechanical Engineering Bldg.