I am a graduate student at the University of Arizona where I work with Dr. Betsy Arnold. I am interested in addressing the interplay of host genotype, environment, and fungal

symbiont communities in order to better understand how these microbial communities impact host performance and wider ecosystem processes.

In my doctoral work, I am studying how abiotic and biotic factors related to climate change shape communities of fungal symbionts associated with Ponderosa pine (Pinus ponderosa) across isolated montane forests in central and southern Arizona. Specifically, I am focusing on ectomycorrhizal and foliar endophytic fungi to link above- and below-ground processes aiming to capture the ecology of tree symbionts in a whole-plant context. I am particularly interested in examining at how community disassembly and local variation across these communities may affect the outcomes of these plant-fungal associations.

I received a B.S. in Botany from Oregon State University in 2014, before coming to Dr. Arnold’s lab for a M.S. in fall 2014 and then remaining for a PhD in fall 2016.

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