



COLLEGE OF AGRICULTURE & LIFE SCIENCES

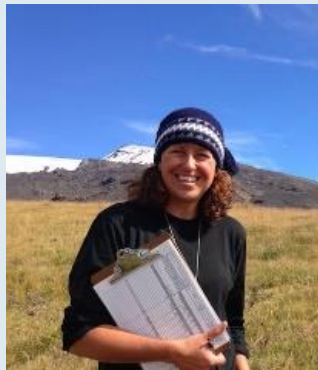
**Soil, Water and  
Environmental Science**



**SWES Colloquium Series 2018-2019**  
**Department of Soil, Water and Environmental Science**

## **Fungal Endophytes from the Tropics to the Tundra: Cues to the Evolution of Fungal Symbioses**

Symbioses bring organisms together, often expanding ecological opportunities for species that -- in affiliation with one another -- act as more than the sum of their partners. We are fortunate to be living in an exciting time in the history of symbiosis research: a renaissance period in which ecological and evolutionary frameworks, knowledge of organismal biology, and the dual powers of molecular- and computational biology are framing a new understanding of symbiotic interactions. In this presentation I will describe our work on one of earth's most prevalent symbioses -- the association of endophytic fungi with plants -- to highlight (1) ecological interactions at levels from leaves to landscapes; (2) factors that frame plant-fungal associations from local to global scales; and (3) emergent questions that speak to the broader study of symbioses in the diverse contexts of soil, water, and environmental sciences.



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Professor  
UA School of Plant Sciences

**Monday, September 24, 2018**  
**3:00pm**  
**Marley 230**

Light refreshments served in courtyard at 2:45



School of Earth and Environmental Sciences