

# School of Plant Sciences Seminar

Tuesday, February 17, 2026 • 4pm • Marley 230 and Zoom\*

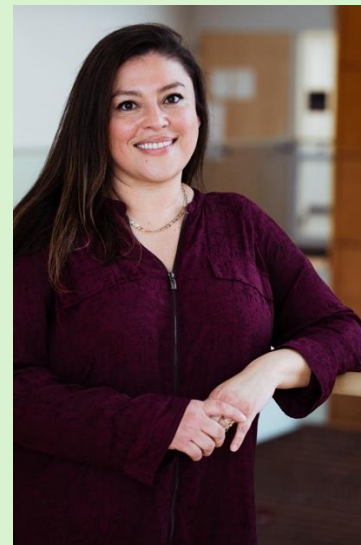
Coffee, cookies, and collegiality: 3:30pm, Marley lobby

## Dr. Jannell Bazarro

Assistant Professor, Department of  
Plant and Microbial Biology,  
University of Minnesota

### “*Methylobacterium* in leaf microbiomes of summer and overwintering crops”

Sponsored by Dr. Rebecca Schomer



\*Please join us in person if you can.

Remote participation is also welcome:

<https://arizona.zoom.us/j/89721316174> Password: SPLS2026

Dr. Bazarro is a microbiologist whose research group focuses on understanding the integration of bacterial metabolism and stress response of *Methylobacterium* species, ubiquitous plant colonizers that promote seed germination, plant development, and plant resilience. Metabolic and environmental stressors have consistently been the focal point of her research, exploring critical principles of how cells respond to and regulate cellular imbalances and compounding external stressors. Beyond these pursuits, her lab aims to understand the ecological impacts of the formaldehyde-centric metabolism *Methylobacterium extorquens* in its native habitat as well as the overall impact of the *Methylobacterium* genus of plant-beneficial microbes on the composition of plant microbiomes and host-plant resilience, thereby exploring potential applications in sustainable agriculture and biotechnology. Dr. Bazarro is a classically trained geneticist with extensive experience integrating approaches that span experimental scales from molecular- to population-level phenomena. Her research is positioned at the interface of microbial physiology, biochemical genetics, and systems biology. Her lab is also interested in understanding how microbes navigate the inherent toxicity of endogenous metabolites, and the consequences associated with the breakdown of metabolic homeostasis.

<https://cbs.umn.edu/bazarro-lab>



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