

The Biological and Biomedical Joint Seminar Series

(Hosted by the departments of Molecular & Cellular Biology, Chemistry & Biochemistry, Cellular & Molecular Medicine, and Plant Sciences)

“Just add water? Microbial systems ecology of desiccation tolerance in non-spore forming soil bacteria”

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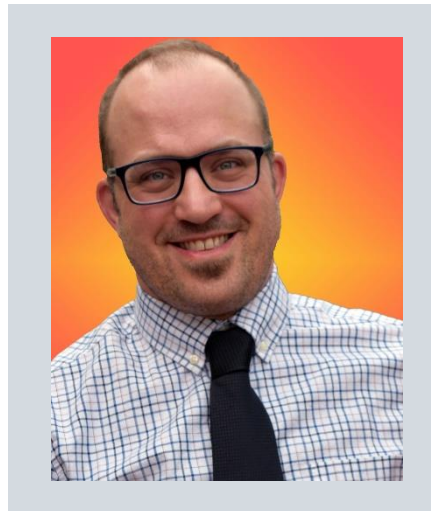
The University of Arizona

Tuesday, February 15, 2022

<https://arizona.zoom.us/j/83430678090>

Password: MCBSeminar

Hosted By: Frans Tax (MCB)



I'll define microbial systems ecology and show how our research group uses this approach to identify biological principles that underlie microbial persistence in the dry soils of the southwest. I'll present our recent research that suggests intracellular RNA stability is associated with desiccation tolerance and the availability of water vapor may control RNA turnover. I will outline our plan to investigate gene-resolved RNA stability in our newly funded NSF CAREER award. This research fills a large knowledge gap as to the fate of intracellular RNA in desiccated cells.

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