



QSB SEMINAR SERIES 291

Phriends, Phoes, and Phages in the Phyllosphere

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Time: 1:30 PM

Location: SSB 130

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ABSTRACT

The plant phyllosphere is an ideal system in which to examine the assembly, structure, and function of host-associated microbiomes. In this talk I will present our recent work exploring the role of the plant microbiome in shaping disease susceptibility, the impact that bacteriophages can have on these microbial communities, and the impact of phages on plant pathogens directly. I will discuss the importance of taking phages into account as we move forward in incorporating the microbiome into a more holistic view of organismal health.

BIO:

Britt Koskella is an evolutionary ecologist interested in multi-species interactions, with a particular focus on host-pathogen coevolution. Her lab currently has two main research avenues: (i) exploring the role of bacteriophages in shaping the microbiome, and (ii) studying both host-microbiome and pathogen-microbiome coevolution. We are using tomato (short-lived) and tree (long-lived) hosts as models to understand these fundamental processes.

