

MCB PLANT BIOLOGY SEMINAR

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"Comparative interactomics and the evolution of functional interactions in *Escherichia coli*"

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3:30 p.m.
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ABSTRACT:

Predicted operons across genomes, combined with comparative genomics, allow for the high quality prediction of thousands of functional interactions across organisms. It is prime time to make use of these predictions to learn about the evolution of functional interactions. In this talk I will describe how these predictions are obtained, and then show how their comparison across organisms can help us figure out how recently acquired genes integrate into the functional network of microorganisms with an emphasis on pathogenic and non-pathogenic strains of *Escherichia coli*.