

What is typical in microbial communities?

Thursday, April 7, 2022 9:45 AM (45 minutes)

Microbial communities are high-dimensional systems, with many co-evolving heterogeneous species and many environmental factors, that vary across time and space. Due to the sequencing advancements of the last 30 years, ecology, a traditionally data-poor discipline, has transitioned to become a data-rich one. In the first part of the talk, I will discuss some open questions that drive modern quantitative microbial ecology research. In the second part of the talk, I will present our recent research results regarding the statistical properties of the dynamics of empirical microbial communities.

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Session Classification: Complex/Biological Systems