

# What is typical in microbial communities?

*Thursday, 7 April 2022 09:45 (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.

**Presenter:** JACOPO, Grill (ICTP)

**Session Classification:** Complex/Biological Systems