

Systems Biology Approaches to Microbiome Research ARC

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Understanding microbial communities can have great impact on human health and on environmental sustainability. Despite the availability of large datasets, theoretical frameworks and computational tools are needed to transform microbiome science into a predictive discipline. The goal of this ARC is to develop a new, multi-level mechanistic understanding of how microbe-microbe, microbe-environment, and microbe-host interactions determine microbial community dynamics, diversity and stability, and use this knowledge to understand how to engineer microbial communities for defined purposes..

Participating Faculty, October 2016

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