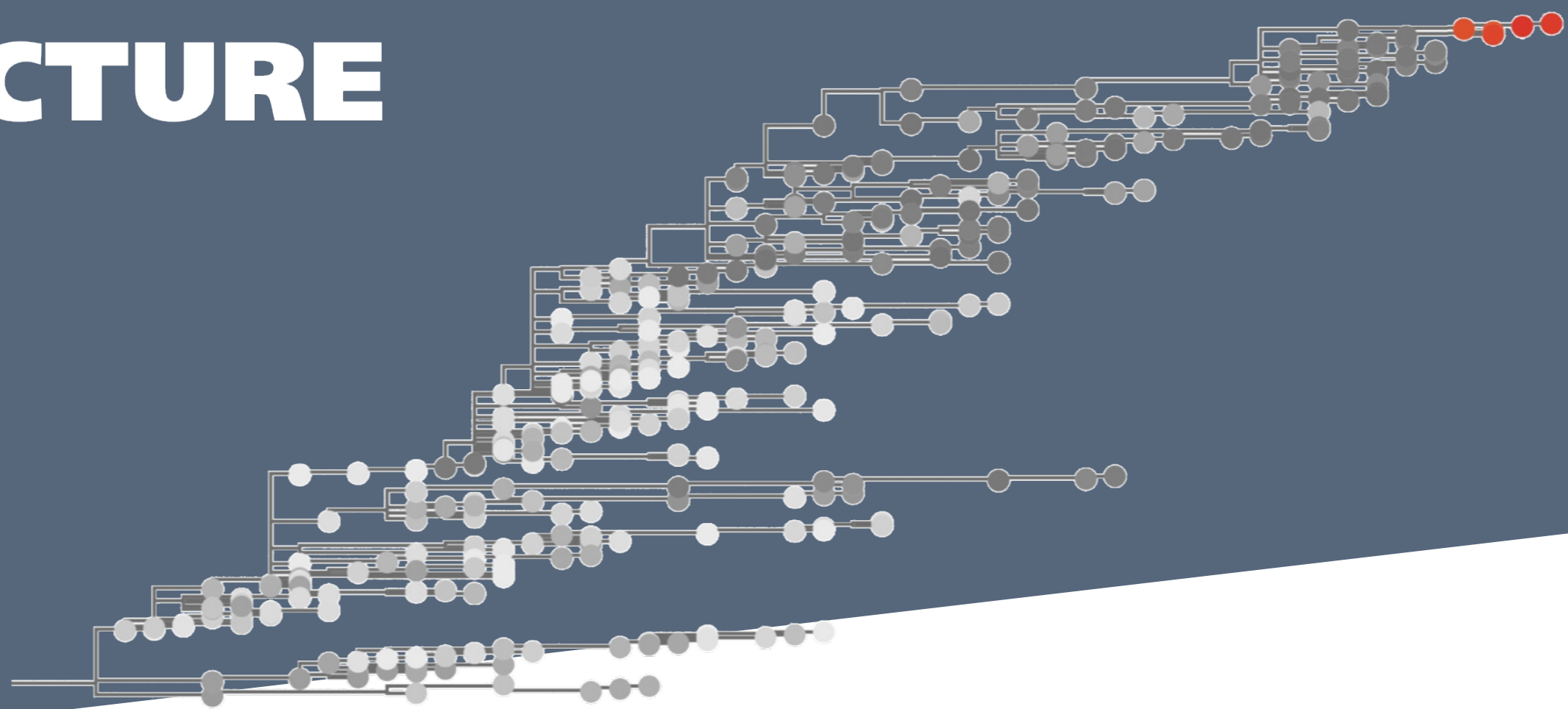
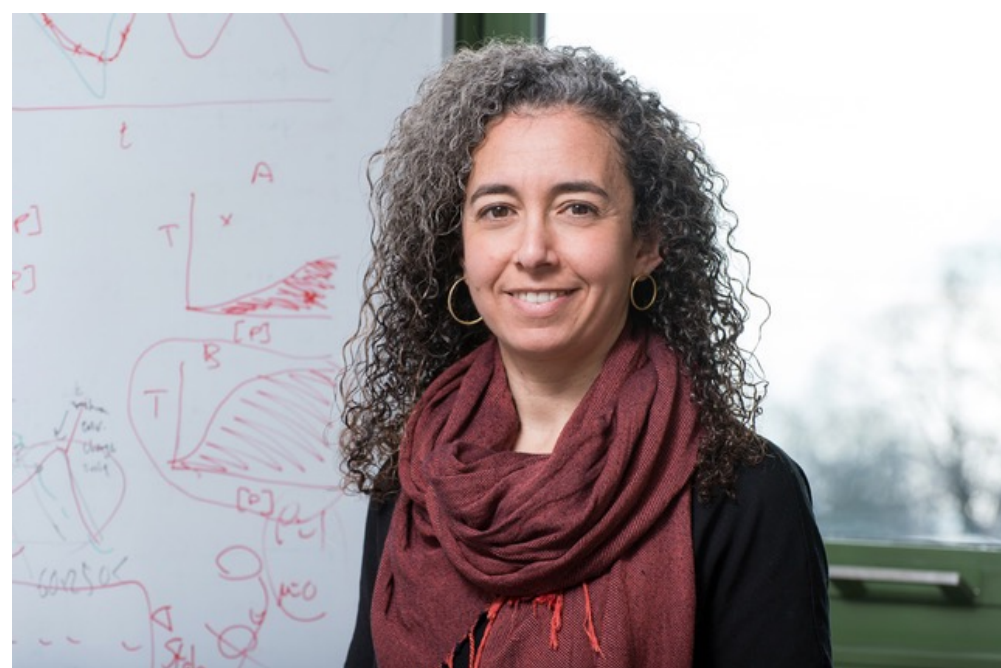


# MAX DELBRÜCK LECTURE



## The ecology and evolution of small bacterial communities

Sara Mitri  
University of Lausanne



Understanding how microbial communities in natural ecosystems assemble and evolve is crucial, as these communities greatly affect us and our environment. But since studying eco-evolutionary dynamics in natural systems is extremely challenging, in my lab we use small bacterial communities as model systems. I will talk about how four species of bacteria interact to degrade pollutants in industrial waste waters, how these interactions are shaped by the environment over short and evolutionary timescales, and how we can use the principles of group selection to breed new communities from scratch for more efficient bioremediation.

Monday, Mai 22, 2023, 17:00  
University of Cologne  
Institute for Biological Physics  
Seminar Room S0.01, Zülpicher Str 77a

Hosted by Isabel Rathmann & Michael Lässig