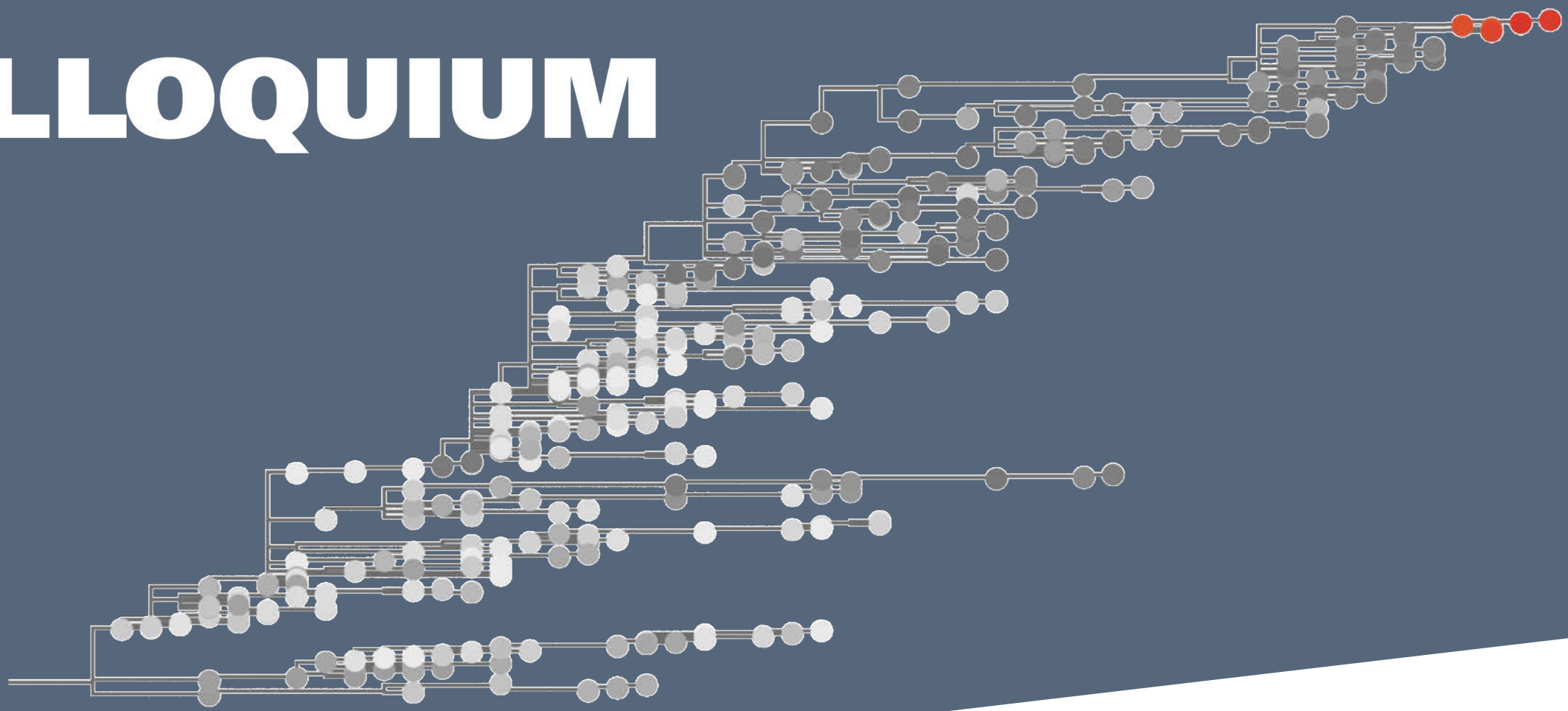


MAX DELBRÜCK COLLOQUIUM



Predicting Antibiotic Resistance

Roy Kishony
Technion



Antibiotic resistance is growing as a major public health concern. Predicting antibiotic resistance and the evolutionary paths leading to resistance is key for our ability to control the spread of drug resistant pathogens. I will describe a series of experimental-computational methodologies for following and identifying recurrent patterns in the evolution of antibiotic resistance in the lab and in the clinic. Combined with machine-learning approaches applied to electronic patient records, these tools can lead to predictive diagnostics of antibiotic resistance and personalized treatments of microbial infections.

Wednesday, November 4, 2020, 17:00
University of Cologne
Online via Zoom

Hosted by Fernanda Pinheiro and Michael Lässig