



Seminar

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Interspecies signalling in plant associated bacteria

Just like what occurs in humans, plants have been recently recognized as meta-organisms possessing a distinct microbiome that have a close relationship with their associated microorganisms. The plant microbiome presents an additional reservoir of genes that the plant can have access to when needed. Plant health is thought to heavily depend also on its microbiome and signalling among microorganisms is crucial for the establishment of the microbial community. Understanding how bacteria undergo interspecies signalling in the microbiome will be a big challenge for future studies. We are using several rice diseases as a model of interspecies bacterial interactions, which also highlights their role in bacterial plant pathogenicity. In addition, we are designing experiments to begin to understand how beneficial plant associated bacteria communicate and establish multispecies communities. Understanding these signalling pathways will help in devising new ways for a more sustainable agriculture.

Room 6302 – Palazzo della ricerca e della conoscenza

February, 13th, 2019 – 14:00-15:00