

# SUMMER SCHOOL 2019

## Functions of microbial communities in soils: Biotic interactions

**HelmholtzZentrum München**  
Neuherberg  
Building 33, Lecture Hall

### PROGRAMME OF PUBLIC TALKS

#### Wednesday 28.08.2019

9:30-10:30 **Karin Pritsch**  
*Reactivity of ectomycorrhizal communities to recurrent severe summer droughts*

#### Thursday 29.08.2019

9:00-10:00 **Maaria Rosenkranz**  
*Volatile organic compounds in plant-microbe interactions*  
10:30-11:30 **Gianpiero Vigani**  
*Exploring plant-microbe interaction to improve mineral nutrition of plants under abiotic stress*

#### Friday 30.08.2019

9:00-10:00 **Macarena Marin**  
*Rhizobia and the root nodule symbiosis*  
10:30-11:30 **Mohammad Bahram**  
*Global-scale biogeography of soil microbes in the light of molecular data*

#### Monday 02.09.2019

9:00-10:00 **Corinne Leyval**  
*Ecodynamics of pollutants (PAHs) in plant rhizosphere: Towards soil remediation and restoration*  
10:30-11:30 **Marjetka Suhadolc**  
*Biological approaches to tackle heavy metal soil pollution: remediation and revitalisation*

#### Tuesday 03.09.2019

9:00-10:00 **Aurélie Cébron**  
*DNA Stable Isotope Probing to investigate PAH-degrading bacteria in soil and rhizosphere*  
10:30-11:30 **Pascal Simonet**  
*The soil resistome*

#### Wednesday 04.09.2019

9:00-10:00 **Mika Tarkka**  
*Benefits and drawbacks of model systems while investigating plant-microbe interactions*  
10:30-11:30 **Annegret Kohler**  
*The evolution of mycorrhizal genomes and transcriptomes*

#### Thursday 05.09.2019

9:00-10:00 **Peter Bakker**  
*The soil-borne legacy*  
10:30-11:30 **Christina Kuttler**  
*Who is there, and what are they doing? Bacterial interaction via "Quorum sensing"*  
14:00-15:00 **Viviane Radl**  
*Seed associated bacteria: Can they be used to improve crop performance?*

#### Friday 06.09.2019

9:00-10:00 **Corina Vlot**  
*Induced systemic resistance in model and crop plants*