



# TULIP 2022 Summer School Program

## Sunday July 3<sup>rd</sup>

08:30 - 09:00 Introduction by TULIP team  
09:00 - 09:30 Summer school participant presentation  
09:30 - 10:00 Coffee break  
10:00 - 11:45 Invited Speaker : Eric Gangloff  
« The Morphology – Performance – Fitness Paradigm »  
11:45 - 12:00 Workshop-projects: introduction  
12:00 - 14:00 Lunch break  
14:00 - 15:00 Teaching by Alexandra Magro « Problem-Based Learning »  
15:00 - 19:00 Workshop - projects

## Monday July 4<sup>th</sup>

09:00 - 10:00 LabEx member presentation : Guillhem Reyt  
«Building root barriers for the control of plant nutrition and plant-microbe interaction »  
10:00 - 10:30 Coffee break  
10:30 - 12:00 Invited Speaker : Tanja Swchander  
« On the evolutionary maintenance of sex in animals »  
12:00 - 14:00 Lunch break  
14:00 - 18:30 Workshop – projects  
18:30 - 19:00 TULIP Stories and careers - Martina Beck

## Tuesday July 5<sup>th</sup>

08:30 - 16:30 Day of hiking in the French Pyrenees and Pic du Midi  
17:00 - 18:00 Hervé Philippe « Environmental impact of research »

## Wednesday July 6<sup>th</sup>

09:00 - 10:00 LabEx member presentation : Matthias Benoit  
« Gene Editing in Plants : from the Lab to the Field.»  
10:00 - 10:30 Coffee break  
10:30 - 12:00 Invited speaker : Oswaldo Valdès Lopez  
« The relevance of phosphate in the establishment of the endosymbiosis between legumes and nitrogen-fixing bacteria »  
12:00 - 14:00 Lunch break  
14:00 - 18:00 Workshop - projects  
18:00 - 19:00 LabEx member presentation : Staffan Jacob  
« Phenotypic plasticity and dispersal facing environmental changes »

## Thursday July 7<sup>th</sup>

08:30 - 10:00 Invited speaker : Peter Margaert  
« The fitness landscape of Caballeronia insecticola, an insect gut symbiont and plant-associated soil bacterium »  
10:00 - 10:30 Coffee break  
10:30 - 12:00 Invited speaker : Gabriel Castrillo  
« Codirecting the plant development: Root branching in plants colonised by microbes »  
12:00 - 14:00 Lunch break  
14:00 - 19:00 Project presentation  
21:00 - Festive evening

## Friday July 8<sup>th</sup>

10:00 - 13:00 Bus travel to Toulouse INRAE  
13:00 - 14:00 Lunch break  
14:00 - 15:00 Visit of Toulouse Plant Microbe Phenotyping platforms  
15:00 - 16:00 Visit of CNRGV