

From microbial interactions to new-concept biopesticides and biofertilizers

First training meeting of the Early Stage Researchers involved in Interfuture Project

Program

Monday 16 October, 2017 TENNO

9:30	9:45	Welcome and opening of the meeting	
9:45	10:30	Overview of the Interfuture project: work plan, general objectives, important dates and deadlines.	Ilaria Pertot, Michele Perazzolli, Gerardo Puopolo, Gianfranco Anfora, Scientific board members
10:30	11:15	Administration aspects	Riccarda Moser, Administrative manager of the project
11:15	11:45	Coffee break	
11:45	12:45	Session 1: Plant growth promoting microorganisms for a more sustainable agriculture	
11:45	12:00	Untapping the keg of microbial bioproducts using innovative approaches to cultivation. New bio-based products from plants	Maria Vasseur
12:00	12:15	Novel biofertilisers based on endophytic bacteria. Innovative approaches to bridge plant-microbe interaction research and bio-product development	Nikoletta Galambos
12:15	12:30	Conventional delivery strategies for bioproducts based on microbial bioproducts	Aammar Tufail
12:30	12:45	Interactions between crop genotypes, antagonistic root colonizing endophytes and arbuscular mycorrhizal fungi	Mirjam Seeliger
12:45	14:00	Lunch	
14:00	14:45	Session 2: Volatile organic compounds as novel eco-friendly pesticides	
14:00	14:15	Selection of microorganisms to develop new tools for the management of <i>Drosophila suzukii</i>	Amani Alawamleh
14:15	14:30	Development of a commercial liquid food trap with addition of bioactive microorganisms to improve attractiveness and specificity for <i>Drosophila suzukii</i>	Gordana Durovic
14:30	14:45	Employment of volatile organic compounds produced by	Anthi Vlassi

		<i>Lysobacter</i> members for the biological control of soilborne plant pathogenic fungi and oomycetes	
14:45	16:30	Session 3: Interactions and mode of actions of biofertilizers and biofungicides	
14:45	15:00	Characterization of stimulators of the phyllosphere microbiota as innovative biocontrol products	Abdessalem Chahed
15:00	15:15	Characterization of the mechanism of action of protein- and sugar-based biocontrol products on target and non-target microorganisms	Nikola Mijailovic
15:15	15:30	The interactions of the endophytic nitrogen fixing bacterium <i>Gluconacetobacter diazotrophicus</i> with fungal endophytes and rhizosphere micro-organisms associated with ryegrass, <i>Lolium perenne</i>	Martina Franchini
15:30	15:45	Plant and bacterial factors determining host colonization by, and intracellular uptake of <i>Gluconacetobacter diazotrophicus</i>	Damini Lal
15:45	16:30	General discussion	All the participants
16:30	17:00	Coffee break	
17:00	17:30	Questions and closing remarks	Ilaria Pertot, Michele Perazzolli, Gerardo Puopolo, Gianfranco Anfora, Scientific board members
18:00	20:00	Aperidinner	



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 722642

INTERFUTURE