

From microbial interactions to new-concept biopesticides and biofertilizers

**Mid-Term meeting, INTERFUTURE PhD day and
Winter PhD Courses on
'Tools for successful dissemination of results'
and 'Use of microbial signals to control plant
diseases'**

**February 10-16, 2018
San Michele all'Adige,
c/o Fondazione Edmund Mach**

**Marie Skłodowska-Curie Actions (MSCA)
Innovative Training Networks (ITN)
H2020-MSCA-ITN-2016
EID-722642-INTERFUTURE**

Program overview

Date	Activity	Start	End
Sunday February 10, 2019	Arrival		
Monday February 11, 2019	Tools for successful dissemination of results Session 1. Successful scientific communications and new generation tools	9.00	12.30
	Lunch	13.00	14.00
	Tools for successful dissemination of results Session 2. Practical exercises on successful dissemination	14.00	18.30
	Free evening		
Tuesday February 12, 2019	Use of microbial signals to control plant diseases Session 1. Microbial and plant signals against phytopathogens	9.00	12.30
	Lunch	12.30	14.00
	Use of microbial signals to control plant diseases Lab experience 1. Microbial signals against phytopathogens	14.00	18.00
	Free evening		
Wednesday February 13, 2019	Use of microbial signals to control plant diseases Session 2. Novel and old players in microbe-microbe communications	9.00	12.30
	Lunch	12.30	14.00
	Use of microbial signals to control plant diseases Session 3. Communication systems within the microbiome and with the plant host	14.00	17.30
	Bi(tri)lateral meetings for ESRs	17.30	19.00
	Dinner [#]	19.30	21.00
Thursday February 14, 2019*	Mid-term meeting Session 1. Scientific and administrative aspects	9.00	12.30
	Lunch	12.30	14.00
	Mid-term meeting Session 2. Feedback and discussion	14.00	18.00
	Dinner [#]	19.30	21.00

Friday February 15, 2019*	INTERFUTURE PhD day Session 1. ESR4, ESR5, ESR7 and ESR8	9.00	12.00
	Lunch	12.00	13.30
	INTERFUTURE PhD day Session 2. ESR6, ESR9, ESR 10, ESR1, ESR2 and ESR11	14.00	17.30
	Bi(tri)lateral meetings for ESRs	17.30	19.00
	Dinner [#]	19.30	21.00
Saturday February 16, 2019	Use of microbial signals to control plant diseases Lab experience 2. Microbial signals against phytopathogens	9.00	13.00
	Departure		

All activities are compulsory for all ESRs. Supervisors are welcome.

*** Mid-Term meeting and INTERFUTURE PhD day are compulsory for all ESRs and supervisors (at least one for each ESR and partner).**

[#] Please book your dinner at: <https://doodle.com/poll/56xie9k8zhfwg24>

Training on TOOLS FOR SUCCESSFUL DISSEMINATION OF RESULTS

Monday February 11, 2019

Room PRC 6302 – seminar room third floor, building of Research

9.00	12.30	Training session 1. Successful scientific communications and new generation tools	
9.00	11.00		
11.00	11.30	Coffee break	
11.30	13.00		
13.00	14.00	Lunch	
14.00	18.30	Training session 2. Practical exercises on successful dissemination	
14.00	14.20	ESR1: Novel biofertilisers based on endophytic bacteria. Innovative approaches to bridge plant-microbe interaction research and bio-product development	Nikoletta Galambos
14.20	14.40	ESR2: Untapping the keg of microbial bioproducts using innovative approaches to cultivation. New bio-based products from plants	Maria F. Vasseur Coronado
14.40	15.00	ESR3: Interactions between crop genotypes, antagonistic root colonizing endophytes and arbuscular mycorrhizal fungi	Mirjam Seeliger
15.00	15.20	ESR4: Characterization of stimulators of the phyllosphere microbiota as innovative biocontrol products	Abdessalem Chahed
15.20	15.40	ESR5: Characterization of the mechanism of action of protein- and sugar-based biocontrol products on target and non-target microorganisms	Nikola Mijailovic
15.40	16.00	Coffee break	
16.00	16.20	ESR6: Employment of volatile organic compounds produced by <i>Lysobacter</i> members for the biological control of soilborne plant pathogenic fungi and oomycetes	Anthi Vlassi
16.20	16.40	ESR7: 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
16.40	17.00	ESR8: Plant and bacterial factors determining host colonization by, and intracellular uptake of <i>Gluconacetobacter diazotrophicus</i>	Michele Pallucchini
17.00	17.20	ESR9: Selection of microorganisms to develop new tools for the management of <i>Drosophila suzukii</i>	Amani Alawamleh
17.20	17.40	ESR10: Development of a commercial liquid food trap with addition of bioactive microorganisms to improve attractiveness and specificity for <i>Drosophila suzukii</i>	Gordana Durovic
17.40	18.00	ESR11: Conventional delivery strategies for bioproducts based on microbial bioproducts	Muhammad Aammam Tufail
18.00	18.30	Conclusions and discussion	
		Free evening	

In the training session 2 each ESR will have time for 10 min of presentation (according to the guidelines sent in advance) and 10 min discussion.

Training on USE OF MICROBIAL SIGNALS TO CONTROL PLANT DISEASES

Monday February 12-16, 2019

Room PRC 6302 – seminar room third floor, building of Research

February 12, 2019		Use of microbial signals to control plant diseases	
9.00	13.00	Training session 1. Microbial and plant signals against phytopathogens	
9.00	10.30		Claudio Moser
10.30	11.00	Coffee break	
11.00	12.30		Gerardo Puopolo
12.30	14.00	Lunch	
14.00	18.00	Lab experience 1. Microbial signals against phytopathogens	
14.00	18.00	Laboratory activities on the detection of microbial signals (Lab. Plant pathology and applied microbiology, Building of Phytopathology)	Gerardo Puopolo, Michele Perazzolli
		Free Evening	

February 13, 2019		Use of microbial signals to control plant diseases	
9.00	12:30	Training session 2. Novel and old players in microbe-microbe communications	
9.00	10.00		
10.00	11.00		.
11.00	11.30	Coffee break	
11.30	12.30		
12.30	14.00	Lunch	
14.00	18.00	Training session 3. Communication systems within the microbiome and with the plant host	
14.00	15.00		
15.00	16.00		.
16.00	16.30	Coffee break	
16.30	17.30		.
17.30	19.00	Bi(tri)lateral meetings for ESRs	
20.00	21.30	Dinner (Restaurant Da Pino, San Michele all'Adige) [#]	

February 14, 2019		Mid-term meeting	
9.00	18.00	<i>detailed program in the following pages</i>	
20.00	21.30	Dinner (Restaurant Da Pino, San Michele all'Adige) [#]	

February 15, 2019		INTERFUTURE PhD DAY	
9.00	19.00	<i>detailed program in the following pages</i>	
20.00	21.30	Dinner (Restaurant Da Pino, San Michele all'Adige) [#]	



February 16, 2019		Use of microbial signals to control plant diseases	
9.00	13.00	Lab experience 2. Microbial signals against phytopathogens	
9.00	11.00	Laboratory activities on the detection of microbial signals (Lab. Plant pathology and applied microbiology, Building of Phytopathology)	Gerardo Puopolo, Michele Perazzolli
11.30	12.00	Coffee break	
12.00	13.00	General discussion and conclusions	
		Departure	

INTERFUTURE MID-TERM MEETING

Thursday February 14, 2019

Room PRC 6302 – seminar room third floor, building of Research

09.00	9.15	Welcome and Introduction. Short introduction by the REA Project Officer, the External expert (Monitor) and the Project Coordinator.
09.15	9.45	Tour de table. Presentation by all Beneficiaries representatives describing their research team and their role within the network.
9.45	11.00	Coordinator's report. Presentation of the Network and the Mid-term report covering each of the following aspects:
09.45	10.10	- Scientific aspects: <i>Scientific aspects: i) overview of the research project, ii) research objectives, iii) scientific highlights of the work so far and advancement.</i>
10.10	10.25	- Training aspects: <i>i) overview of the training programme and progress, ii) short presentation of the training events already organized, iii) presentation of the ESR secondments.</i>
10.25	10.40	Coffee break
10.40	10.50	- Networking aspects: <i>i) how the beneficiaries cooperate in practice, ii) interaction with industrial sector, iii) dissemination and outreach activities.</i>
10.50	11.00	- Management aspects: <i>i) recruitment report, ii) deliverables; iii) milestones, management meetings, iv) critical implementation risks and mitigation actions.</i>
11.00	12.30	Fellows' individual reports. Power point presentations by ESR1, ESR2, ESR3, ESR4, ESR5, ESR6
12.30	14.00	Lunch
14.00	15.15	Fellows' individual reports. Power point presentations by ESR7, ESR8, ESR9, ESR10, and ESR11.
15.15	15.45	Feedback and open discussion. Feedback from the REA Project Officer and the External Expert (Monitor) and discussion on the output of the Network so far.
15.45	16.15	Coffee break
16.15	17.30	Restricted session 1. Meeting between the ESRs and the REA representative
17.30	18.00	Restricted session 2. Meeting between coordinator, Project Officer and the REA representative
18.00	18:30	Restricted session 3. Meeting between coordinator/partners/financial managers and Project Officer to discuss financial issues and periodic report.
18:30		End of the meeting and farewell
19:30	21:00	Dinner (Restaurant Da Pino, San Michele all'Adige) #

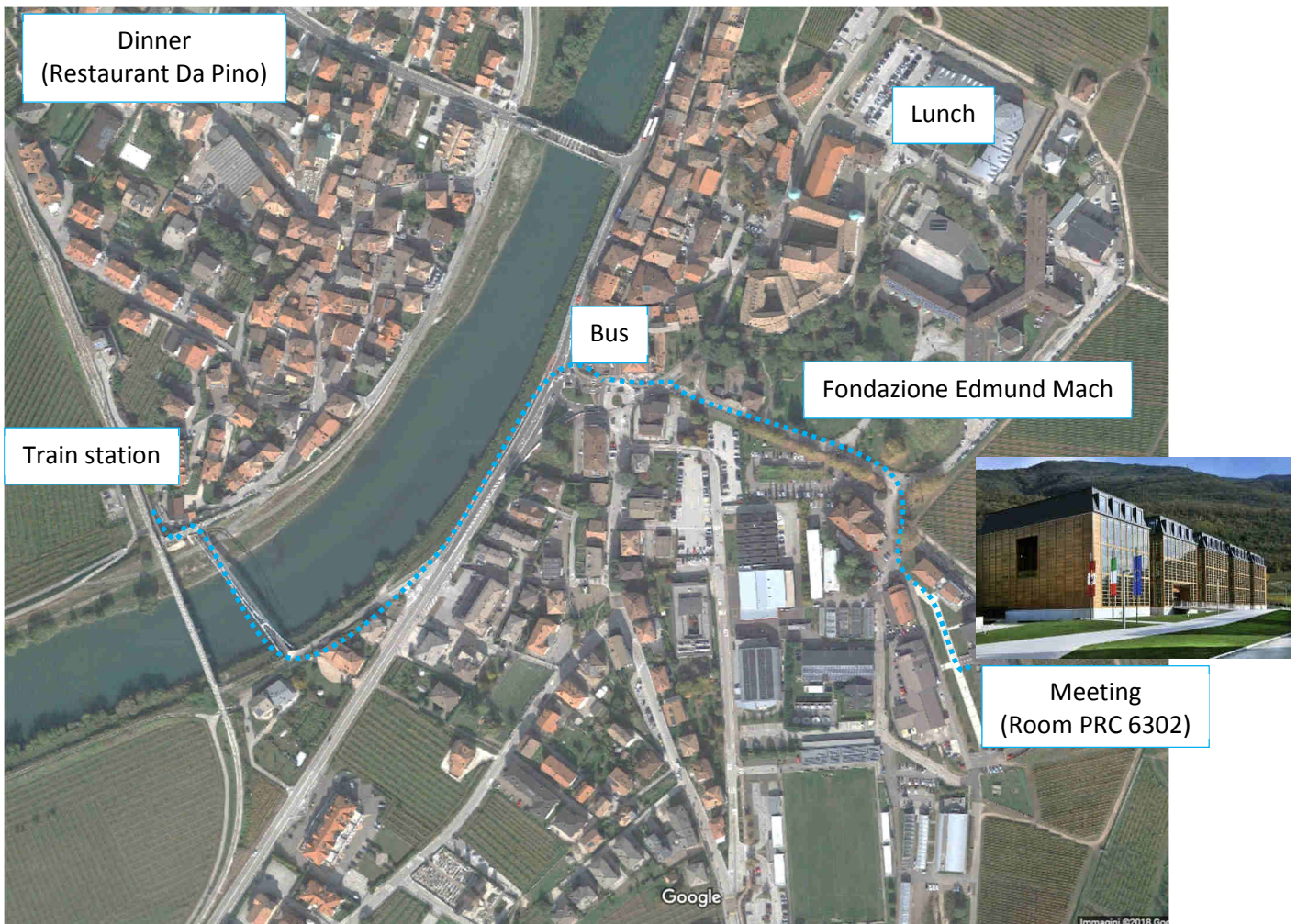
INTERFUTURE PhD DAY

Friday February 15, 2019

Room PRC 6302 – seminar room third floor, building of Research

9.00	9.30	General assembly. Work plan, general objectives, important deadlines and administrative aspects	Ilaria Pertot, Riccarda Moser
9.30	12.00	PhD Session 1. Interactions and mode of actions of biofertilizers and biofungicides	
9.30	10.00	ESR4: Characterization of stimulators of the phyllosphere microbiota as innovative biocontrol products	Abdessalem Chahed
10.00	10.30	ESR5: Characterization of the mechanism of action of protein- and sugar-based biocontrol products on target and non-target microorganisms	Nikola Mijailovic
10.30	11.00	Coffee break	
11.00	11.30	ESR7: 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
11.30	12.00	ESR8: Plant and bacterial factors determining host colonization by, and intracellular uptake of <i>Gluconacetobacter diazotrophicus</i>	Michele Pallucchini
12.00	13.30	Lunch	
13.30	15.00	Meeting Session 2. Volatile organic compounds as novel eco-friendly pesticides	
13.30	14.00	ESR6: Employment of volatile organic compounds produced by <i>Lysobacter</i> members for the biological control of soilborne plant pathogenic fungi and oomycetes	Anthi Vlassi
14.00	14.30	ESR9: Selection of microorganisms to develop new tools for the management of <i>Drosophila suzukii</i>	Amani Alawamleh
14.30	15.00	ESR10: Development of a commercial liquid food trap with addition of bioactive microorganisms to improve attractiveness and specificity for <i>Drosophila suzukii</i>	Gordana Durovic
15.00	15.30	Coffee break	
15.30	17.30	Meeting Session 3 Plant growth promoting microorganisms for a more sustainable agriculture	
15.30	16.00	ESR1: Novel biofertilisers based on endophytic bacteria. Innovative approaches to bridge plant-microbe interaction research and bio-product development	Nikoletta Galambos
16.00	16.30	ESR2: Untapping the keg of microbial bioproducts using innovative approaches to cultivation. New bio-based products from plants	Maria F. Vasseur Coronado
16.30	17.00	ESR3: Interactions between crop genotypes, antagonistic root colonizing endophytes and arbuscular mycorrhizal fungi	Mirjam Seeliger
17.00	17.30	ESR11: Conventional delivery strategies for bioproducts based on microbial bioproducts	Muhammad Aammar Tufail
17.30	19.00	Bi(tri)lateral meetings for ESRs	
20.00	21.30	Dinner (Restaurant Da Pino, San Michele all'Adige) [#]	

Via Mach 1
38010 San Michele all'Adige (Trento)



Connections from Trento:

Train: <http://www.ttesercizio.it/Treno/>

Bus: <http://www.ttesercizio.it/OrariDiLinea/OrariDiDirettrice-E18I-104A.PDF>

Book your **dinner** at: <https://doodle.com/poll/56xie9k8zhfwg24>

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HOTELS

San Michele all'Adige:

Hotel La Vigna

https://www.booking.com/hotel/it/garni-la-vigna.en-gb.html?aid=375647;label=msn-C0Uy_4TTiwYV_4nktXPsw-80607971641557%3Atikwd-80607997853048%3Aloc-93%3Aanes%3Aamte%3Aadec%3Aqsbooking;sid=36f57012ceac829385dec303eda76f61;all_sr_blocks=37221204_88459228_1_2_0;checkin=2019-02-10;checkout=2019-02-16;dest_id=-127979;dest_type=city;dist=0;group_adults=1;group_children=0;hapos=1;highlighted_blocks=37221204_88459228_1_2_0;hpos=1;no_rooms=1;room1=A;sb_price_type=total;sreporch=1542355743;srfid=2dcab958530ff10bffc6a160cd38178d6493c684X1;srpvid=2eef394f08e403c6;type=total;ucfs=1&#hotelTmpl

Hotel Cantaleone

https://www.booking.com/hotel/it/cantaleone-san-michele-all-adige.en-gb.html?aid=375647;label=msn-C0Uy_4TTiwYV_4nktXPsw-80607971641557%3Atikwd-80607997853048%3Aloc-93%3Aanes%3Aamte%3Aadec%3Aqsbooking;sid=36f57012ceac829385dec303eda76f61;checkin=2019-02-10;checkout=2019-02-16;dest_id=-127979;dest_type=city;dist=0;group_adults=1;group_children=0;hapos=1;hpos=1;no_rooms=1;room1=A;sb_price_type=total;soh=1;soldout=0%2C0;sreporch=1542345529;srfid=36e11d1367357543b2197d82669b2149c141fc41X1;srpvid=d5f8255ba6dd008d;type=total;ucfs=1&#no_availability_msg

Mezzocorona (6 Km from San Michele)

Hotel Centrale

https://www.booking.com/hotel/it/albergo-caffe-centrale.en-gb.html?aid=375647;label=msn-C0Uy_4TTiwYV_4nktXPsw-80607971641557%3Atikwd-80607997853048%3Aloc-93%3Aanes%3Aamte%3Aadec%3Aqsbooking;sid=36f57012ceac829385dec303eda76f61;all_sr_blocks=59203105_104119712_1_41_0;checkin=2019-02-10;checkout=2019-02-16;dest_id=-121667;dest_type=city;dist=0;group_adults=1;group_children=0;hapos=1;highlighted_blocks=59203105_104119712_1_41_0;hpos=1;no_rooms=1;room1=A;sb_price_type=total;sreporch=1542345560;srfid=773774bba7ac5bc06efee4e10e68df90a85d044X1;srpvid=750a256b71dd043a;type=total;ucfs=1&#hotelTmpl

Trento (25 Km from San Michele)

Hotel America

https://www.booking.com/hotel/it/america-trento.en-gb.html?aid=375647;label=msn-C0Uy_4TTiwYV_4nktXPsw-80607971641557%3Atikwd-80607997853048%3Aloc-93%3Aanes%3Aamte%3Aadec%3Aqsbooking;sid=36f57012ceac829385dec303eda76f61;all_sr_blocks=27909901_105477952_0_1_0;checkin=2019-02-10;checkout=2019-02-16;dest_id=-131282;dest_type=city;dist=0;group_adults=1;group_children=0;hapos=1;highlighted_blocks=27909901_105477952_0_1_0;hpos=1;no_rooms=1;room1=A;sb_price_type=total;sreporch=1542345735;srfid=63450558e80c6e5118d52ce831f6492871fad96X1;srpvid=dc2725c29a1f00c9;type=total;ucfs=1&#hotelTmpl

Grand Hotel Trento

https://www.booking.com/hotel/it/boscolotrento.en-gb.html?aid=375647;label=msn-C0Uy_4TTiwYV_4nktXPsw-80607971641557%3Atikwd-80607997853048%3Aloc-93%3Aanes%3Aamte%3Aadec%3Aqsbooking;sid=36f57012ceac829385dec303eda76f61;all_sr_blocks=22069008_88162439_0_1_0;checkin=2019-02-10;checkout=2019-02-16;dest_id=-131282;dest_type=city;dist=0;group_adults=1;group_children=0;hapos=1;highlighted_blocks=22069008_88162439_0_1_0;hpos=1;no_rooms=1;room1=A;sb_price_type=total;sreporch=1542345749;srfid=c740505a78f808bede0922c4bec06a374bac62aaX1;srpvid=b56225c936810125;type=total;ucfs=1&#hotelTmpl

and many others

https://www.booking.com/searchresults.en-gb.html?aid=375647&label=msn-C0Uy_4TTiwYV_4nktXPsw-80607971641557%3Atikwd-80607997853048%3Aloc-93%3Aanes%3Aamte%3Aadec%3Aqsbooking&sid=36f57012ceac829385dec303eda76f61&dest_id=-131282&dest_type=city&highlighted_hotels=220690&redirected=1&search_selected=0&srpvid=b56225c9ebfd0205&track_hp_back_button=1#hotel_220690-back