

## DEAR COLLEAGUES,

Our last miCROPe conference was in December 2019, right before the outbreak of the Covid-19 pandemic. Meanwhile we all have experienced many online meetings and conferences with all their advantages and disadvantages. Many of us look forward to personal meetings and discussions during coffee/ lunch breaks or having a chat during a social event. Now, miCROPe is back and the next symposium will be miCROPe 2022, taking place again in Vienna, from 11-14 July 2022. This time without Christmas markets, but you will be able to enjoy Vienna in summer.



There is unbroken interest in soil and plant microbiomes and their important contribution in agro-systems. Plant microbiota are diverse and provide important functions for their host's performance, and mediate functions like nutrient delivery, fitness, stress tolerance, and pathogen or pest control. The symposium "Microbe-assisted crop production – opportunities, challenges and needs" (miCROPe 2022) will address basic and applied aspects of applying beneficial micro-organisms in crop production. Scientific sessions will discuss different functions of microorganisms in crop production, ranging from biocontrol to nutrition and stress resilience. Furthermore, we will address plant mechanisms, functional understanding and most importantly also how microbiomes can be translated in field applications.

The symposium will be held in the Apothekertrakt/ Orangerie of the famous Schönbrunn castle, easy to reach from the Vienna city center and surrounded by a beautiful park area. We invite you to present exciting results, engage in discussions with experts from academia and industry and enjoy the historic and cultural sites of Vienna..

Looking forward to meeting you in Vienna at miCROPe 2022!

**ANGELA SESSITSCH**  
on behalf of the Organizing Committee

## VENUE

Orangerie / Apothekertrakt  
Schönbrunn Palace | Vienna, Austria  
[www.schoenbrunnmeetings.com](http://www.schoenbrunnmeetings.com)

## IMPORTANT DATES

**ABSTRACT SUBMISSION:** until **March 25, 2022**  
for oral & poster presentations

**APPLICATIONS FOR A FEMS ECR GRANT:**  
must be submitted by **April 14, 2022**

**EARLY-BIRD REGISTRATION:** ends **May 6, 2022**

**"LATE BREAKING POSTERS":**  
submission deadline **May 20, 2022**

## REGISTRATION FEES

[www.micrope.org/registration](http://www.micrope.org/registration)

### STUDENT

Early € 435,- | ÖGMBT member € 405,-\*

Late € 535,- | ÖGMBT member € 505,-\*

### REGULAR

Early € 620,- | ÖGMBT member € 590,-\*

Late € 720,- | ÖGMBT member € 690,-\*

### INDUSTRIAL

Early € 910,- | ÖGMBT member € 880,-\*

Late € 1.050,- | ÖGMBT member € 1.050,-\*

## ORGANIZED BY

**AIT Austrian Institute of Technology**

**ÖGMBT** - Austrian Association of Molecular Life Sciences and Biotechnology

## CONTACT

 [micrope.org](http://micrope.org)

 [office@micrope.org](mailto:office@micrope.org)



INTERNATIONAL SYMPOSIUM  
**MICROBE-ASSISTED  
CROP PRODUCTION –  
OPPORTUNITIES,  
CHALLENGES & NEEDS**  
**July 11 – 14, 2022**

**SCHÖNBRUNN PALACE  
ORANGERIE / APOTHEKERTRAKT  
VIENNA, AUSTRIA**

**SATELLITE COURSES &  
WORKSHOPS AVAILABLE**



## MAIN TOPICS

Bringing microbial applications into practice

Microbiomes and soil fertility

Functional understanding of plant microbiomes

Plant mechanisms to interact with beneficial microorganisms

Climate change, plant microbiomes and plant abiotic stress tolerance

Microbial biocontrol of pests, pathogens and weeds

Plant microbiomes in the food system

Microbiome understanding to improve field success of microbial applications

Disruptive approaches for phytobiome improvement

Phytobiomes Alliance Session

## SATELLITE WORKSHOPS

3<sup>rd</sup> EUCARPIA Workshop on Implementing Plant-Microbe Interactions in Plant Breeding - July 15, 2022 - UFT Tulln, Austria

4<sup>th</sup> International Training Course & Workshop on Advanced Microscopy Techniques for Plant-microbe Interaction Analysis - July 4-8, Tulln, Austria

FOR MORE INFORMATION VISIT:  
[www.micrope.org/workshops](http://www.micrope.org/workshops)

## KEYNOTE SPEAKERS

**CORNE PIETERSE**  
Utrecht University, NL

**BRAJESH SINGH**  
University of Western Sydney, AUS

## INVITED SPEAKERS

**ISLAM ABD EL-DAIM**  
Austrian Institute of Technology, AT

**MATTHIEU BARRET**  
INRAE, FR

**GWYNN BEATTIE**  
Iowa State University, USA

**GABRIELE BERG**  
Graz University of Technology, AT

**DAVIDE BULGARELLI**  
Dundee University, UK

**VICTOR CARRIÓN-BRAVO**  
Leiden University, NL

**MARCEL VAN DER HEIJDEN**  
Agroscope, CH

**ADRIANA HEMERLY**  
Rio de Janeiro University, BRA

**EUAN JAMES**  
James Hutton Institute, UK

**VADIM KESSLER**  
Swedish University of Agricultural Sciences, SE

**ELISA KORENBLUM**  
ARO, Volcani Center, IL

**VERONICA REIS**  
embrapa, BRA

**ENA ŠEČIĆ**  
University of Giessen, DE

**PANKAJ TRIVEDI**  
Colorado State University, USA

**FRIEDERIKE TROGNITZ**  
Austrian Institute of Technology, AT

**MARKO VINCEKOVIC**  
Zagreb University, CRO

**MAGGIE WAGNER**  
University of Kansas, USA

**ZHONG WEI**  
Nanjing Agricultural University, CN

## ORGANIZING COMMITTEE

**ANGELA SESSITSCH**  
**ISLAM ABD EL-DAIM**  
**FRIEDERIKE TROGNITZ**  
AIT Austrian Institute of Technology

**WALTER GLASER**  
**ANDREA BAUER**  
ÖGMBT



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## SYMPOSIUM PROGRAM

### DAY 1 | 11 July 2022 | 13:00 – 20:00

OPENING **BRAJESH SINGH**  
University of Western Sydney, AUS

SESSION 1 **BRINGING MICROBIAL APPLICATIONS INTO PRACTICE**

INVITED **VERONICA REIS**  
EMBRAPA, BR

SESSION 2 **CLIMATE CHANGE, PLANT MICROBIOMES AND PLANT ABIOTIC STRESS TOLERANCE**

Poster Session / Welcome Reception & Networking

### DAY 2 | 12 July 2022 | 9:00-18:00

SESSION 3 **MICROBIOMES AND SOIL FERTILITY**

SESSION 4 **FUNCTIONAL UNDERSTANDING OF PLANT MICROBIOMES**

Poster Session

SESSION 5 **PLANT MECHANISMS TO INTERACT WITH BENEFICIAL MICROORGANISMS**

### DAY 3 | 13 July 2022 | 9:00-17:30

SESSION 6 **PLANT MICROBIOMES IN THE FOOD SYSTEM**  
Poster session

SESSION 7 **MICROBIAL BIOCONTROL OF PESTS, PATHOGENS AND WEEDS**

Conference Dinner

### DAY 4 | 14 July 2022 | 9:00-16:00

SESSION 8 **MICROBIOME UNDERSTANDING TO IMPROVE FIELD SUCCESS OF MICROBIAL APPLICATIONS**

SESSION 9 **DISRUPTIVE APPROACHES FOR PHYTOBIOME IMPROVEMENT**

SESSION 10 **PHYTOBIOMES ALLIANCE SESSION**

CLOSING **CORNÉ PIETERSE**  
Utrecht University, NL