



DEAR COLLEAGUES,

The global demographic development and climate change pose a threat on crop production in many areas. There is a need to intensify agricultural production in a sustainable manner and to find solutions to combat abiotic stress, pathogens and pests. Plants are associated with complex microbiomes, which are known to promote plant growth and stress tolerance, support plant nutrition and antagonize plant pathogens. The integration of beneficial plant-microbe and microbiome interactions might represent a promising solution to improve agricultural production.

The symposium “Microbe-assisted crop production – opportunities, challenges and needs” (miCROPe 2015) will address basic and applied aspects of applying beneficial microorganisms in crop production. Scientific sessions will address mechanistic understanding of beneficial plant-microbe interactions, microbiome interactions, transfer of microbial applications from lab to field, formulations and registration issues. In addition, in a roundtable discussion, with stakeholders from different sectors, issues related to consumer and farmer acceptance will be considered.

The symposium is embedded in the COST Action FA1103 (Endophytes for Biotechnology and Agriculture), which addresses various aspects related to the understanding of plant-endophyte interactions. “miCROPe 2015” will be the final conference of this COST Action and welcomes FA1103 members as well as all interested scientists and representatives from academia, industry, NGOs and the public sector.

We hope that you will join “miCROPe 2015” to discuss the most recent research findings and their implications for agricultural application and look forward to welcoming you in Vienna, 23 to 25 November 2015.

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

## REGISTRATION FEES

### STUDENT

Early € 285,- | ÖGMBT member € 255,-

Late € 365,- | ÖGMBT member € 335,-

### REGULAR

Early € 385,- | ÖGMBT member € 355,-

Late € 465,- | ÖGMBT member € 435,-

### INDUSTRIAL

Early € 585,- | ÖGMBT member € 555,-

Late € 765,- | ÖGMBT member € 735,-

## REGISTRATION

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

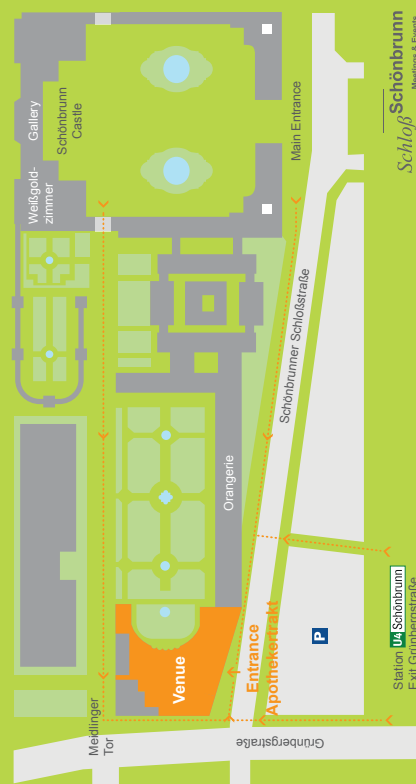
## CONTACT

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

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



## MAP



Organized by:  
ÖGMBT Austrian Association of Molecular Life Sciences  
AIT Austrian Institute of Technology



INTERNATIONAL SYMPOSIUM

**MICROBE-ASSISTED  
CROP PRODUCTION –  
OPPORTUNITIES,  
CHALLENGES & NEEDS**

**NOV. 23 – 25, 2015**

*SCHLOSS SCHÖNBRUNN  
TAGUNGSZENTRUM  
APOTHEKERTRAKT  
VIENNA, AUSTRIA*

**SATELLITE WORKSHOPS**  
November 26<sup>th</sup>, 2015



## MAIN TOPICS

Successful microbial products

Need for microbial solutions

Colonization and mechanisms of beneficial plant-microbe interactions

Involvement of multitrophic and microbiome interactions

Microbial applications from lab to field

Application technologies and formulations

Benefits and potential concerns for consumers and farmers

Registration requirements of microbial products

## IMPORTANT DEADLINES

Abstract Submission  
until June 19<sup>th</sup>, 2015

Early-Bird Registration  
until September 5<sup>th</sup>, 2015

## VENUE

Schloss Schönbrunn  
Tagungszentrum - Apothekertrakt  
Map on the back

[www.schoenbrunn.at](http://www.schoenbrunn.at)



## INVITED SPEAKERS

**JOSEPH KLOEPPER**  
University Auburn, US

**BEN LUGTENBERG**  
Leiden University, NL

**JEROEN MEEUSSEN**  
European Commission, BE

**ILARIA PERTOT**  
Fondazione Mach, IT

**LINDA JOHNSON**  
AgResearch, NZ

**STEPHAN DECLERCK**  
Univ. catholique de Louvain, BE

**MARC ONGENA**  
Walloon Center of Industrial Biology, BE

**CHOONG-MIN RYU**  
KRIBB, KR

**JOS RAAIJMAKERS**  
Netherlands Inst. of Ecology, NL

**KORNELIA SMALLA**  
Julius Kühn Institute Braunschweig, DE

**CHRIS FRANCO**  
Flinders University, AU

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

**YOAV BASHAN**  
University of Arizona, US

**SEBASTIAN HÅKANSSON**  
Swedish Uni. of Agricultural Sciences / Cptigel, SE

**FALKO FELDMANN**  
Julius Kühn Institute Berlin, DE

## INTERNATIONAL SCIENTIFIC COMMITTEE

**ILARIA PERTOT**  
Fondazione Mach

**LINDA JOHNSON**  
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**STEPHAN DECLERCK**  
Universite catholique de Louvain

**MARC ONGENA**  
Walloon Center of Industrial Biology

**CHOONG-MIN RYU**  
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**STÉPHANE COMPANT**  
AIT Austrian Institute of Technology

**JOS RAAIJMAKERS**  
Netherlands Institute of Ecology

**CHRIS FRANCO**  
Flinders University

**KORNELIA SMALLA**  
Julius Kühn Institute Braunschweig

**GABRIELE BERG**  
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**YOAV BASHAN**  
University of Arizona

**SEBASTIAN HÅKANSSON**  
Swedish University of Agricultural Sciences / Cptigel

**CAROLIN SCHNEIDER**  
Institut für Pflanzenkultur e.K.

**ANGELA SESSITSCH**  
AIT Austrian Institute of Technology

## ORGANIZING COMMITTEE

**ANGELA SESSITSCH**  
AIT Austrian Institute of Technology

**ALEXANDRA KHASSIDOV**  
ÖGMBT

**STÉPHANE COMPANT**  
AIT Austrian Institute of Technology

**CAROLIN SCHNEIDER**  
Institut für Pflanzenkultur e.K.

**ZLATA KOVACEVIC**  
AIT Austrian Institute of Technology

## CONFERENCE PROGRAM

**DAY 1** | 23 Nov. 2015 | 12<sup>A.M.</sup> – 6<sup>P.M.</sup>

OPENING STATEMENT **JEROEN MEEUSSEN**

OPENING LECTURE **JOSEPH KLOEPPER**

SESSION 1 **SUCCESSFUL MICROBIAL PRODUCTS**  
*Ilaria Pertot and Linda Johnson\**

SESSION 2 **NEED FOR MICROBIAL SOLUTIONS**  
*Stephan Declerck and Angela Sessitsch\**

Reception

**DAY 2** | 24 Nov. 2015 | 9<sup>A.M.</sup> – 6:30<sup>P.M.</sup>

SESSION 3 **COLONIZATION AND MECHANISMS OF BENEFICIAL PLANT-MICROBE INTERACTIONS**  
*Marc Ongena and Choong-Min Ryu and Stephane Compant\**

Poster session

SESSION 4 **INVOLVEMENT OF MULTITROPHIC AND MICROBIOME INTERACTIONS**  
*Jos Raaijmakers and Kornelia Smalla\**

SESSION 5 **MICROBIAL APPLICATIONS FROM LAB TO FIELD**  
*Chris Franco and Gabriele Berg\**

Social Event

**DAY 3** | 25 Nov. 2015 | 9<sup>A.M.</sup> – 5:30<sup>P.M.</sup>

SESSION 6 **APPLICATION TECHNOLOGIES AND FORMULATIONS**  
*Yoav Bashan and Sebastian Håkansson\**

ROUNDTABLE DISCUSSION

**BENEFITS AND POTENTIAL CONCERNS FOR CONSUMERS AND FARMERS**

Poster session

SESSION 7 **REGISTRATION REQUIREMENTS OF MICROBIAL PRODUCTS**  
**FALKO FELDMANN**

CLOSING LECTURE **BEN LUGTENBERG**

\*Session organizers