

Conference Fees

Regular participants:

payment before 10th February 2015: 25 Euro
payment after 10th February 2015: 40 Euro

The fee includes free complementary coffee or tea during the symposium.

Students:

payment before 10th February 2015: 10 Euro
payment after 10th February 2015: 20 Euro

DPG junior members: free

Social Gathering direct payment

No proceedings will be published

Payments:

All payments should be addressed to

Bank name: Deutsche Bank
Account holder: DPG
Account number: 3518487
BLZ: 500 700 10
BIC: DEUTDEFF
IBAN: DE79500700100351848700

Further payment details are given on the symposium website.

Please notice that payments reduced by a processing fee of EUR 30 will be refunded provided a written cancellation is received by DPG until 28th February 2015. Please note that there will be no refund for cancellation after that date.

Programme information:

Further details will be given at the symposium website:

www.ppphe.phytomedizin.org

Direct contact with the convenor:
Falko.Feldmann@jki.bund.de

Registration is open until on

The conference bureau will open for registration one hour before program start at the first day and 30 min at the second day.

The Venue

Due to the unexpected large number of participants the programme committee decided not to close the symposium for interested colleagues but to look for larger lecture halls in the near of the planned venue. Therefore, delegates are kindly asked to recognize that the symposium takes place at the following location:

Julius Kühn-Institut (JKI)
Bundesforschungsinstitut für Kulturpflanzen
Königin-Luise-Straße 19
14195 Berlin
Room A303

The location for the social gathering is not yet decided and will be announced during the Words of Welcome-session.

Attention!! NEW VENUE!!

Symposium Committee

Holger Deising & Falko Feldmann

German Society for Plant Protection and Plant Health (DPG), Germany

Georg F. Backhaus & Kornelia Smalla

Julius Kühn-Institut (JKI), Quedlinburg, Germany

Carmen Büttner & Christian Ulrichs

Humboldt Universität zu Berlin (HU), Germany

Alexandra Makulla

Federal Office of Consumer Protection and Food Safety (BVL), Braunschweig, Germany

Carolin Schneider & Matthias Döring

COST Action „Endophytes in biotechnology and agriculture“ FA1103, Solkau, Germany

Manfred Raupp

Madora GmbH Lörrach - Biofactor Project

Plant Protection and Plant Health in Europe



The "principal mode of action"
of micro-organisms as agents between
fertilization and plant protection

7th International Symposium
jointly organised by DPG, JKI and HU-Berlin

12th – 13th March 2015 Berlin, Germany

Julius Kühn-Institut (JKI)
Königin-Luise-Straße 19
14195 Berlin
Room A300

Program
www.ppphe.phytomedizin.org



The Symposium Topic

A clear classification of microbial groups followed by the appropriate registration process is inevitable to place products sustainably on the market.

The idea of the symposium is to contribute to a science based definition of the 'principal mode of action' of microorganisms interacting with their host plants. This Principal mode of action is required by the EU regulation 283/29013. The definition should be adjusted to satisfy both the requirements of science and regulation.

The 'principal mode of action', may depend on the intended use and desired outcome of the interaction. Furthermore, the formulation of the product and / or the conditions of application may modify the principal mode of action.

But for a formulated product, a 'principal mode of action' should be identified which results in a

- direct reduction of pathogen inoculum (via competition, parasitism/predation respectively),
- reduced infection via a plants reaction like described above (e.g. by ISR, SAR, antibiosis),
- changed growth behavior (via phytohormonal effects)
- better nutritional status of the host (via enhanced nutrient availability for the host) or
- enhanced tolerance to abiotic stress (via morphological or physiological modifications).

Oral presentations and poster presentations will contribute to the discussion.

Kindly recognized and promoted by



Programme

Thursday
2015-03-12

13:00 Words of Welcome

Prof. Dr. Holger Deising - Chair of DPG
Pres. & Prof. Dr. Georg Backhaus - President JKI
Prof. Dr. Carmen Büttner - Humboldt University

13:20 Introduction to the symposium

Falko Feldmann - DPG/JKI

13:30 Session 1: Microbes for Plant Production

Chair: Falko Feldmann

Newly discovered micro-organisms that will change the face of agriculture

Brian Murphy et al. - Trinity College Dublin - Ireland

Novel modes of plant-microbe interaction discovered by omics technologies

Gabriele Berg - TU Graz - Austria

The BIOFECTOR Project

Günter Neumann - University Hohenheim - Germany

Market placement of micro-organisms in CEUREG countries

Ewa Matyjaszyk - IORPIB, Poland

Plant strengtheners in Germany

Alexandra Makulla - BVL - Germany

15:10 Break

15:40 Session 2: Variability of effects

Chair: Kornelia Smalla

Kill or cure? The role of plant growth conditions in studies of interaction between endophytic biocontrol agents and their host plants

Daria Rybakova et al. - TU Graz - Austria

Acclimatisation of arbuscular mycorrhizal fungi to heavy metal stress

Bui Van Cung et al. - IGZ - Großbeeren - Germany

Transcriptomic profiling of B. phytofirmans PsJN colonizing potato plants in response to host plant drought stress

Birgit Mitter et al. AIT Tulln, Austria

Entomopathogenic fungi as endophytes: supporting their biocontrol activity by novel fermentation and formulation strategies

Desiree Jakobs-Schönwandt et. al. - University of Applied Sciences - Bielefeld - Germany

16:30 Postersession

19:00 Social gathering

Friday
2015-03-13

08:30 Session 3: Specific studies on modes of action

Chair: Holger Deising

The mechanisms of beneficial plant-microbe interaction of the Stress Protecting Agent Stenotrophomonas rhizophila SPA P69 revealed by genome and transcriptome analysis

Henry Müller et al. TU Graz - Austria

From lab to field: Burkholderia phytofirmans PsJN ameliorates drought tolerance in maize and wheat

Angela Sessitsch et al., AIT Tulln, Austria

Antagonistic activity of fungal root endophytes from solanaceous plants against potato late blight Phytophthora infestans

Grace Ngatia et al., Uni Hohenheim

Antagonists of fungal pathogens for control of root-knot nematodes

Holger Heuer et al. Julius Kühn-Institut, Braunschweig

10:00 Postersession

11:30 Workshop :

The legal definition of the 'principal mode of action' and future development of products

Chairs: Alexandra Makulla & Falko Feldmann

13:00 End of symposium

Instructions for Contributors:

An **oral contribution** should not exceed 15min. Afterwards there will be 5min of discussion. The presentation should be prepared for Power Point 2007. Please submit the presentation early before the symposium by email. If you should not submit it and your presentation should not work from your stick, the lost time for fixing the problem would reduce your talking time.

Poster presentations should be prepared in vertical format not exceeding 85x120cm.

They should be fixed latest during the first break of the symposium.

Location for the Social gathering:

The location for the social gathering will be announced during the Words of Welcome.

Meals and drinks are NOT included in the symposium fee. Please pay directly.