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 from 15th August 2014 on

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

www.ppphe.phytomedizin.org

The Venue

The symposium »Plant Protection and Plant Health in Europe« is organised jointly by the *German Phytomedical Society* (DPG, www.phytomedizin.org), the *Julius Kühn-Institut* (JKI, www.jki.bund.de) and the *Division Phytomedicine of the Albrecht Daniel Thaer-Institut*, Humboldt-Universität zu Berlin (www.hu-berlin.de).
This two-day symposium will be held at the traditional building of the *Division Phytomedicine, Lentzeallee 55-57, 14195 Berlin (Dahlem), Germany*.

Accommodation: Berlin offers a large number of hotels. For special offers please see the Symposium website.

Discovering Berlin: A number of opportunities will be available for you to explore the German capital on your own (see symposium website).

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 - Biofector 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

Division Phytomedicine
Albrecht Daniel Thaer-Institut
Humboldt Universität zu Berlin
Lentzeallee 55, 14195 Berlin (Dahlem)

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 mde 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

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

Oral presentations and poster presentations will contribute to the discussion.

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www.pppphe.phytomedizin.org

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 Matyjaszczyk - IORPIB, Poland

Plant strengtheners in Germany and other European countries - good for borderline products?
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

Acclimatisatin 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 drougth 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

Programme

Friday 2015-03-13

09:00 Session 3: Specific studies on modes of action
Chair: Holger Deising

Quantitative and qualitative synthesis of siderophores by Pseudomonas fulva in the presence of Cd2+
Michael Zloch et al. - Nicolaus Copernicus University - Torun - Poland

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

Pathogenic activity of fungal strains from the genus Phoma sp. – enzymatic activity and effect on the synthesis of phytoalexins by the host plant
Pawel Deka et al. Nicolaus Copernicus University - Torun - Poland

10:00 Postersession

11:30 Workshop :
The legal definition of the ‚principal mode of action' and future development of products

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 firat break of of the symposium.

Location for the Social gathering:
Restaurant ‚Eierschale', Podbielskiallee 50, 14195 Berlin.
Meals and drinks are NOT included in the symposium fee. Please pay directly.