



**UMR Plante-Microbe-Environnement (Dijon, France)**

**and**

**Leibniz-Institut für Gemüse- und Zierpflanzenbau  
(Großbeeren, Germany)**

**Program of the  
Second annual joint meeting**

**6 September 2011  
Embassy of the French Republic  
Berlin, Pariser Platz 5**



*Liberté • Égalité • Fraternité*

**RÉPUBLIQUE FRANÇAISE**

AMBASSADE DE FRANCE  
EN  
REPUBLIQUE FEDERALE D'ALLEMAGNE

9.00 Welcome coffee

9.30 **Welcome addresses**

Stéphane Roy (French Embassy)

Vivienne Gianinazzi-Pearson (PME)

Eckhard George (IGZ)

Philipp Franken (IGZ)

10.00 1. Session

**Methodologies**

Kerstin Bieler (IGZ): Mycorrhizal Research at the IGZ: Methods and Applications

Nicole Gaude (MPI): Laser Capture Microdissection mediated analysis of transcriptomic, metabolomic and proteomic changes in mycorrhizal roots

**Diversity**

Joost van Dongen (MPI): Plant Growth Promoting Rhizobacteria that are naturally associated with *Arabidopsis thaliana*

Tancredi Caruso (FU Berlin): Compositional divergence and convergence in arbuscular mycorrhizal fungal communities

11.00: Coffee

11.30: 2. Session

Marine Peyret-Guzzon (PME): Molecular studies of diversity of populations of arbuscular mycorrhizal fungi

Kathryn Barto (FU Berlin): Functions of common mycorrhizal networks

**Compatibility and Incompatibility**

Magdalena Gamm (PME): An apoplastic factor induces stomatal deregulation in *Vitis vinifera* leaves infected by *Plasmopara viticola*

Soukayna Hayek (PME/IGZ): *Petunia hybrida/Thielaviopsis basicola* pathosystem for studying mycorrhiza-induced resistance in ornamental crop production

Yu Tong (IGZ): Intra- and extraradical development of arbuscular mycorrhizal fungi in response to the presence of non-host plant roots

Olivier Essiane Ondo (PME): Characterisation of old varieties of wheat for their ability to form and respond to mycorrhiza

13.00: Lunch

14.30: 3. Session

Yi Liu (PME): Calcium homeostasis in arbuscular mycorrhizal fungi: gene expression in compatible and incompatible interactions

### **Transport and Metabolism**

Franiska Krajinski (MPI): Analyzing the molecular background of AM symbiosis

Haoqiang Zhang (IGZ/MPI): Regulation and function of *Mtha1* encoding a mycorrhiza-specific proton pump

Leonardo Casieri (PME): Analyses of the *Glomus intraradices* EST collection: first-glance transportome and functional candidate mining

Micha Bitterlich (IGZ/HU Berlin): Carbohydrate assimilation and transport in mycorrhizal tomato plants

Jens Schwachtje (MPI): Effects of Plant Growth Promoting Rhizobacteria on primary plant metabolism

16.00: Coffee

16.30: 4. Session

### **Application**

Silvio Gianinazzi (PME): INOCULUMplus

Carolin Schneider (INOQ): Mycorrhiza fungi in Germany – Applications for today and tomorrow

Herbert Stöckinger (PME): Mitochondrial genotyping of isolates of the arbuscular mycorrhizal fungus "*Glomus intraradices*" from the isolate collection of the International Bank of Glomeromycota

Virginie Molinier (PME): A multigene phylogenetic study of *Tuber aestivum/uncinatum*

Iván Sánchez-Castro (PME): Arbuscular mycorrhizal fungi and rhizostabilisation of highly heavy metal-contaminated orphan mining soils in southern France

Tommaso Sozzi (PME): QualiRedFruits: A European effort to develop new agricultural practices for quality production for red fruits enriched in healthy compounds

18.00: Closing remarks