

**COST Action FA1103: Endophytes in Biotechnology and Agriculture**

**WG1-4 Meeting on “RISK ASSESSMENT OF ENDOPHYTES”**

**03-07 November 2014**

University of Ege, Faculty of Agriculture,  
Department of Plant Protection, Bornova - İzmir/TURKEY

**3<sup>th</sup> NOVEMBER, 2014 – MONDAY**

13.30 – 14.00 **REGISTRATION**

14.00 – 14.30 Opening address Dr. Carolin Schneider, Chair of COST Action FA 1103

Welcome address and presentation of the hosting university by local organizers

**Session 2: WG2 - Mutualistic and pathogenic plant-endophyte interactions: what makes the difference?**

**CHAIR PERSON: BIRGIT MITTER**

**Keynote lecture**

14.30 - 15.30 **Vasaitis Rimvys** Fraxinus Dieback In Europe: Understanding Disease Phenomenon And Elaborating Guidelines For Sustainable Management

15.30 -16.00 **Fki Lotfi** Risks evaluation of endophytic bacteria’s anarchic proliferation within *in vitro* tissue cultures

**Coffee break**

16.30 – 17.00 **Maalej Muhammed** Is endophytes expression a constraint in olive tree micropropagation

17.00 – 17.30 **Zabalgogeaazcoa Iñigo** Ecological functions of fungal endophytes of grasses

**18.00 – 20.00 Dinner** (Rectorate Restaurant in Bornova)

## 4<sup>th</sup> NOVEMBER, 2014 – TUESDAY

### **Session 2: WG2 Mutualistic and pathogenic plant-endophyte interactions: what makes the difference?**

**CHAIR PERSON: BIRGIT MITTER**

9.30 - 10.00 **Tunali Berna**, Determination of enzymatic activity of endophytic *Fusarium* spp. and their interaction with Fusarium crown rot disease

10.00 – 10.30 **Widhalm Siegrid**, Plant-associated microbes as biocontrol agents against common ragweed

**Coffee break**

### **Session 1: WG1 Human pathogens in plants**

**CHAIR PERSON: ANDREA CAMPISANO**

#### **Keynote lecture**

11:00 – 12.00 **Schmid Michael** Plants as reservoir for human pathogenic bacteria

12.00 – 12.30 **Campisano Andrea** The human-associated bacterium *Propionibacterium acnes* as a grapevine endophyte

12.30 – 13.00 **Sheibani-Tezerji Raheleh** Genotypic differences in three novel *Pantoea ananatis* strains having different impacts on the host plant

**13.00 – 14.00 Lunch in Faculty's Cafeteria**

## **Keynote lecture**

14.00 - 14.45 **Jackson Robert** Title to be confirmed

14:45 - 15.15 **Pirttilä Anna Maria** *Mycobacterium* sp. as endophytes – rare or unnoticed?

15.15 – 15:45 **Mohamed Mahmoud Fadhela** Importance of endophyte *Aspergillus terreus* in biotechnology and public health

## **Coffee break**

16.15 - 17.00 **Schikora Adam** Strategies used by *Salmonella* to colonize plants

17.00 – 17.30 **Berraf-Tebbal Akila** Genotyping and phylogeny of *Phaeoacremonium* genus associated with necrotic wood and infections in human

17.30 – 18.00 **López-Fernández Sebastian** A whole-genome comparison of virulence traits in endophytic genomes of Enterobacteria

**20.30**            **Social Dinner (Endülüs Turkish Tavern in Alsancak)**

## 5<sup>th</sup> NOVEMBER, 2014 – WEDNESDAY

### Session 4: WG4 Production of mycotoxins, phytotoxins and other undesired secondary metabolites by biocontrol agents

#### CHAIR PERSON: FRANK SURUP

9.30 - 10.00 **Soto-Barajas M. Carlos** Taxonomic diversity of *Epichloë* endophytes affects the alkaloid profile of *Lolium perenne* in natural pastures

10.00 - 10.30 **Surup Frank** New Natural Products From Phytopathogenic Fungi

10.30 - 11.00 **Tejesvi Mysore V.** Fungal crafted phenalenones and their phylogenetic diversity

#### Coffee break

11.30 – 12.00 **Alkhatat Dalia Muftah** Risk assessment of an innovative biological control strategy using endophytic entomopathogenic fungi

12.00 – 12.30 **Schulz Barbara** Obstacles in developing a biocontrol agent with endophytes

#### 13.00 – 14.30 Lunch in Faculty's Cafeteria

14.30 – 15.00 **Thrane Ulf** Mycotoxins and other exometabolites from *Fusarium* and related genera

15.00 – 15.30 **Kolařík Miroslav** Novel biologically active compounds isolated from the symbionts of plants and insects

15.30 -16.00 **Zelenka Tomas** Using the RPB2 single-copy gene as an alternative molecular marker compared with ITS and investigated on the in-vitro-assembled mock community

## **6<sup>th</sup> NOVEMBER, 2014 – THURSDAY**

09.00- 11.00 MANAGEMENT COMMITTEE MEETING

### **Field Trip to Organic Farm in Kuşadası and guided tour in Ephesus Ancient City**

**Meeting point: Agricultural Faculty at 11.00**

13.00 -14.00 Lunch    Değirmen restaurant in organic farm

14.00 – 15.00        Visit to organic farm

15.30 – 17.00        Guided tour in Ephesus Ancient City

**Evening: Free time**

## **7<sup>th</sup> NOVEMBER, 2014 – FRIDAY**

10.00 – 13.00        Guided tour in Izmir