

# Environment Workshops

## 2012

## Plant-microbe-insect interactions: from molecular mechanisms to ecological implications



Tamara van Mólken

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**i** **Universidad**  
**Internacional**  
**de Andalucía**

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### Scope

Plants play a central role in the sustainability of life on earth. Their function is strongly influenced by their intimate interaction with deleterious and beneficial organisms, including microbes and insects. Recently, traditional barriers between the fields of plant-microbe and plant-insect interactions have been breached, demonstrating that plant-microbe-insect interactions have far reaching consequences for the functioning and evolution of the organisms involved. This meeting will bring together molecular and ecological researchers from this emerging field. The objective is to give impetus to research on ecological and evolutionary implications of such three-way interactions, building on recent advances in unraveling the molecular basis of plant responses to both microbes and insects. The linking of scales from the cellular to the community level is a key goal of the workshop: This will make it innovative, interdisciplinary and a vital step to increase our understanding of the mechanisms underpinning plant-insect-microbe interactions. The aim of this workshop is to discuss the major progresses in this new field of research, to train a critical mass of qualified researchers, enhancing future human resources, and to analyze the impact of this integrative approach on sustainable agriculture and environmental protection.

### Format of the Workshop

The workshop will bring together 17 speakers and a maximum of 50 participants (including speakers). The scientific programme will start in the morning on Monday, September 24<sup>th</sup>, and will end on Wednesday, September 26<sup>th</sup>. Ample time for informal discussion will be reserved. Participants will be invited to present a poster.

### Venue of the Workshop

The workshop will be held in Baeza, at the "Sede Antonio Machado", a XVII century building turned into a Conference Centre of the International University of Andalusia (UNIA). This site includes a recently restored residence, where speakers and participants will be accommodated. Baeza is a World Historic Heritage town, renowned for its Renaissance and Gothic buildings.

### Organized by:

**María J. Pozo**  
Dpto. Microbiología del Suelo y Sistemas Simbióticos. Estación Experimental del Zaidín (CSIC). Granada, Spain.

**Eduardo R. Bejarano**  
Dpto. Biología Celular, Genética y Fisiología. Instituto de Hortofruticultura Subtropical y Mediterránea (IHSM). University of Málaga, Spain.

**Alison Bennett**  
Ecological Sciences. James Hutton Institute (SCRI). Invergowrie. Dundee, United Kingdom.

### Speakers

**Eduardo Bejarano.** Dpto. Biología Celular, Genética y Fisiología. Instituto de Hortofruticultura Subtropical y Mediterránea (IHSM). University of Málaga, Spain.

**Alison Bennett.** The James Hutton Institute. Scotland, United Kingdom.

**Arjen Biere.** Department of Terrestrial Ecology. Netherlands Institute of Ecology (NIOO-KNAW), The Netherlands.

**Stephane Blanc.** Unité Mixte de Recherche Biologie et Génétique des Interactions Plante-Parasite. INRA-CIRAD-SupAgro, France.

**Bodil Ehlers.** Biological Institute, University of Southern, Denmark.

**David Giron.** Institut de Recherche sur la Biologie de l'Insecte. UMR-CNRS-University François Rabelais, France.

**Sue Hartley.** Department of Biology. University of York, United Kingdom.

**Thure P. Hauser.** Department of Agriculture and Ecology. University of Copenhagen, Denmark.

**Martin Heil.** Dpto. Ingeniería Genética. CINVESTAV, Unidad Irapuato, México.

**Edward Allen Herre.** Smithsonian Tropical Research Institute, Panamá.

**Enrique Moriones.** Instituto de Hortofruticultura Subtropical y Mediterránea "La Mayora", Consejo Superior de Investigaciones Científicas IHSM-UMA-CSIC, Spain.

**Rustem Omarov.** Biotechnology and Microbiology Department. L.N.Gumilyov. Eurasian National University, Kazakhstan.

**Eduardo de la Peña.** Terrestrial Ecology Unit. Ghent University, Belgium.

**María J. Pozo.** Estación Experimental del Zaidín - (EEZ-CSIC), Granada, Spain.

**Johannes Stratmann.** Department of Biological Sciences. University of South Carolina, USA.

**Jennifer Thaler.** Department of Entomology. Cornell University, USA.

**Jurrian Ton.** Department of Animal and Plant Sciences. University of Sheffield, United Kingdom.

**Saskia van Wees.** Plant-Microbe Interactions. Dept. Biology, Utrecht University, The Netherlands.

**Stefan Vidal.** Department of Crop Sciences Agricultural Entomology, Georg-August-University, Germany.



Christopher Gollmar



**Baeza, Spain**  
• 24<sup>th</sup>-26<sup>th</sup>  
**September 2012**

### Deadline:

For application: 3<sup>rd</sup> September 2012

### Venue:

Sede Antonio Machado  
Universidad Internacional de Andalucía  
Palacio de Jabalquinto  
Plaza de Santa Cruz, s/n  
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### Coordinated by:

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### More information and application:

[http://www.unia.es/  
environmentworkshops](http://www.unia.es/environmentworkshops)