

Meeting on Plant Microbe Interactions

University of Minho, 12th-14th October 2011

Programme

12th October

9:30 Registration

10:00 Plant-microbe communication during endosymbiotic root infection

David Barker

Lab. of Plant- Microbe Interactions, UMR INRA-CNRS, Castanet Tolosan, FR

11:00 Plant N signaling and symbiosis

Marc Lepetit

Biochimie Physiologie Moléculaire des Plantes, INRA-CNRS, Institut de Biologie Intégrative des Plantes. Montpellier, FR

12:00 – 14:30 - Lunch

14:30 Regulation of glutamine synthetase by reactive nitrogen species in root nodules of *Medicago truncatula*

Helena Carvalho

Instituto de Biologia Molecular e Celular, Porto, PT

15:30 Actinorhizal symbioses

Ana Ribeiro¹ and Patrícia Santos^{1,2}

¹*Eco-Bio/Tropical Research Institute, Oeiras, Portugal;*

²*Dept. Plant Pathology, MSU, Michigan, USA*

16:00- 16:30 - Coffee break

16:30 *HP6* function during development of root lateral organs in *Arabidopsis thaliana* and *Medicago truncatula*

Ana Campilho and Helena Carvalho

IBMC-UP, Institute for Molecular and Cell Biology, University of Porto, Porto, PT

17:00 Inhibition of glutamine synthetase by phosphinothricin leads to transcriptome reprogramming in *Medicago truncatula* root nodules.

Ana Seabra¹, Patrícia Pereira², Jorg Becker² and Helena Carvalho¹

¹*IBMC-UP, Institute for Molecular and Cell Biology, University of Porto, Porto, PT;*

²*IGC, Institute Gulbenkian for Science, Oeiras, PT*

17:20 Actinorhizal plant defence-related genes in response to symbiotic *Frankia*

Ana Ribeiro¹, Inês Graça¹, Katharina Pawlowski² and Patrícia Santos^{1,3}

¹*ECO-BIO/Tropical Research Institute, Av. da República (EAN), Quinta do Marquês, 2784-505 Oeiras, PT;*

²*Department of Botany, Stockholm University, 10691 Stockholm, SE;*

³*Department of Plant Pathology, Michigan State University, East Lansing, MI 48824, USA.*

13th October

9:30 New advances on Ectomycorrhizal Establishment

Maria Salomé Pais

BioFIG, ICAT, Faculty of Sciences of University of Lisbon, Lisbon, PT

10:30 Ectomycorrhizal Diversity and Functions in the Mediterranean Area:
an Insight from *Quercus ilex* Forests

Franck Richard

CEFE-CNRS, Université de Montpellier II, Equipe Interaction Biotiques, FR

11:30- 12:00 - Coffee break

12:00 Signalling in the Arbuscular Mycorrhizal Symbiosis

José Garcia-Garrido

*Dep. of Soil Microbiology and Symbiotic Systems, Estación Experimental de Zaidín,
ES*

13:00 – 14:30 Lunch

14:30 Identification of fungi present in *Quercus suber* seeds

*Fernanda Simões¹, Diogo Mendonça¹, António Correia², Pablo Pereira¹, Ana Rodrigues²,
José Matos¹, Helena Almeida²*

*¹INRB-UIRGEMP-GBM. Campus do IAPMEI-Estrada do Paço do Lumiar 22. Lisboa,
PT;*

²Departamento de Eng^a Florestal-ISA-Tapada da Ajuda Lisboa. PT

14:50 Expression profiles of *Hemileia vastatrix* genes involved in the biotrophic interaction
with coffee plants

*Andreia Loureiro¹, Pedro Talhinhos¹, Ana Vieira^{1,2}, Helena Gil Azinheira¹, Bruno Vieira²,
Octávio Paulo², Sébastien Duplessis³, Diana Fernandez⁴, Maria do Céu Silva¹*

*¹Centro de Investigação das Ferrugens do Cafeeiro, Instituto de Investigação
Científica Tropical. Quinta do Marquês. 2780-505 Oeiras, PT;*

*²Computational Biology and Population Genomics Group, Centro de Biologia
Ambiental, Faculdade de Ciências da Universidade de Lisboa. 1749-016 Lisbon, PT;*

*³Institut National de la Recherche Agronomique, UMR 1136 INRA/Nancy Université
Interactions Arbres/Micro-organismes, Champenoux, FR;*

*⁴Institut de Recherche pour le Développement, UMR 186 IRD/CIRAD-UM2 Résistance
des Plantes aux Bioagresseurs, Montpellier, FR*

15:10 Pathogenicity and genetic diversity of *Colletotrichum gloeosporioides* and *C. boninense*
responsible for anthracnose of citrus in Portugal

Ana Paula Ramos¹, Pedro Talhinhos², S. Sreenivasaprasad³, Helena Oliveira¹

*¹Centro de Engenharia dos Biosistemas, Instituto Superior de Agronomia,
Universidade Técnica de Lisboa, Tapada da Ajuda, 1349-019 Lisboa; PT*

*²Centro de Investigação das Ferrugens do Cafeeiro, Instituto de Investigação
Científica Tropical. Quinta do Marquês. 2780-505 Oeiras; PT*

³ *Division of Science, Faculty of Creative Arts, Technologies and Science, University of Bedfordshire. Luton LU1 3JU, UK*

15:30- 16:00 - Coffee break

16:00 Occurrence and distribution of endophytic fungi in *Olea europaea* L.

Fátima Martins, Amaya Vilches, José Alberto Pereira, Albino Bento, Paula Baptista
Mountain Research Centre (CIMO), School of Agriculture, Polytechnic Institute of
Bragança, Campus St^a Apolónia, Apartado 1172, 5301-855, Bragança, PT.

16:20 A comprehensive study of the vineyard's microbiome

Cátia Pinto¹, Sara Sousa¹, André Melo¹, Maria Gama¹, Susana Sousa¹, Manuel Santos^{1,2},
Ana Catarina Gomes¹

¹*BIOCANT, Centro de Inovação em Biotecnologia, BIOCANT-PARK, Parque*
Tecnológico de Cantanhede, Núcleo 04, lote 3, 3060-197 Cantanhede, PT

²*CESAM – Departamento de Biologia, Universidade de Aveiro, Campus de Santiago,*
3810-813, Aveiro, PT

16:40 Influence of *Hypholoma fasciculare* in portuguese chestnut groves sustainability

Francisca Reis¹, Eric Pereira², Rui M Tavares¹, Paula Baptista², Teresa Lino-Neto¹

¹*Centre for Biodiversity Functional and Integrative Genomics (BioFIG), Plant*
Functional Biology Centre, University of Minho, Campus de Gualtar, 4710-057
Braga, PT.

²*CIMO/School of Agriculture, Polytechnic Institute of Bragança, Campus de Santa*
Apolónia, Apartado 1172,5301-854 Bragança, PT.

14th October

9:30 Susceptibility and Resistance in Plant-Pathogen Interactions; General Issues and the Tomato – *Cladosporium fulvum* Model System

Matthieu Joosten

Laboratory of Phytopathology, Wageningen University, NL

10:30 DNA Plant Virus Subvert Ubiquitination and Sumoylation

Eduardo Rodríguez Bejarano

Departamento de Biología Celular, Genética y Fisiología, Universidad de Málaga, ES

11:30- 12:00 - Coffee break

12:00 Coffee Berry Disease: Understanding the Pathogen for Disease Control

Dora Batista

Centro de Investigação das Ferrugens do Cafeeiro (CIFC), IICT, PT