

CHECK IN BIO Workshop

Chemical Ecology Inputs in Biological control

July 13th 2017

Faculty of Sciences, Campus Valrose
Nice, FRANCE



Biopesticides

Plant defenses

VOCs & Biocontrol

Formulation

Metabolomic



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PROGRAM

8h30 Welcome and registration

9h00 CheckInBio introduction

9h15 Cédric BERTRAND, University of Perpignan, France

From biomass to environmental evaluation uses: an holistic approach for biocontrol products development

9h45 Antonio BIONDI, University of Catania, Italy

Toxicity of essential oils on the cotton aphid and the South American tomato Pinworm

10h15 Lucia ZAPPALA, University of Catania, Italy

*Non-target impact of essential oils the predator *Nesidiocoris tenuis*, on the soil microbioma and on the plant*

10h45 Orlando CAMPOLO, University "Mediterranea" of Reggio Calabria, Italy

Essential oil nano-formulations for insect pest control

COFFEE BREAK

11h30 Jens ROLHOFF, Norwegian University of Science and Technology (NTNU), Trondheim, Norway

Metabolomic techniques towards stress and defense metabolism in Brassicaceae

12h00 Romain LARBAT, LAE INRA-Lorraine University, France

*Metabolic responses of tomato plants to *Pseudomonas* sp. Infection*

12h30 Pierre-Marie ALLARD, University of Geneva, Switzerland

New tools and approaches for the mapping and identification of small molecules in microbial and plants metabolomes

LUNCH TIME

14h30 Audrey Errard, IGZ, Leibniz, Germany

Comparing VOC trapping systems

14h45 Markes International, United Kingdom

TD-GCxGC TOF-MS for the analysis of natural products

15h00 Christine BECKER, Institut Sophia Agrobiotech, Nice, France

Scent of a tomato - biotic and abiotic impact on VOC blends

15h30 Mike BIRKETT, Rothamsted research, United Kingdom

Recruitment of ecosystem services for pest management using smart plants

16h00 Emmanuelle Jacquin-Joly, INRA - iEES, Versailles, France

Insect chemosensory receptors: new targets for the development of innovative approaches of crop pest biocontrol

16h15 Louise Van Oudenhove, INRA, Institut Sophia Agrobiotech, Nice, France

Behavioural ecology meets chemical ecology: development of an innovative biocontrol device

Free Registration but online subscription required, please send an email to : thomas.michel@unice.fr

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