

# 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](mailto:thomas.michel@unice.fr)**

*The workshop "Check-in Bio" is organized in the framework of the STOMP project (Sustainable Tomato Production), funded via the ARIMNet2 2015 Call (EU-funded ERA-NET). "Check-in Bio" workshop is also funded by UNS and INRA as well as supported by the BOOST project (IDEX UCA) and the GDR Mediatech*