

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



Member of UNIVERSITÉ CÔTE D'AZUR




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Despite strong demands of environmental and economical friendly methods, pesticide use largely dominates in the framework of IPM strategy (Integrated Pest Management). The **biological control**, based on natural biological processes and materials, could be an alternative and efficient approach. Many of these processes and/or materials involve chemical interactions. **Chemical ecology** deals with the intriguing chemical mechanisms which help control intra- and interspecific interactions among living beings. Research of chemical ecology is concerned with the identification and synthesis of the substances which carry information and with the developmental, behavioral, and ecological consequences of chemical signals.

The goal of the workshop "**Check-in Bio**" is to highlight the input of chemical approaches as solutions for some biological control issues. Chemical ecology could be a key approach to improve biological control through the optimization of biopesticides and Volatile Organic Compounds and Plant defenses.

Provisional planning

Morning

PART 1 Biopesticides in Biocontrol / Formulation

Plenary speakers Antonio BIONDI, University of Catania, Italy
Cédric BERTRAND, University of Perpignan, France
Lucia ZAPPALA, University of Catania, Italy

Flash communications

Early afternoon

PART 2 Plant Defense Mechanisms / Metabolomic approach – LCMS

Plenary speakers Jens ROHLOFF, NTNU, Trondheim, Norway
Romain LARBAT, University of Nancy, France

Flash communications

End afternoon

PART 3 VOCs & Biological Control/ Metabolomic approach - GCMS

Plenary speakers Michael BIRKETT, Rothamsted Research, Harpenden, UK
Christine BECKER, ISA, Sophia-Antipolis, France

Flash communications

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

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