



BOOST Winter School - Biocontrol and Biostimulants - Program 12-16 December - Institut Sophia Agrobiotech (Room A010)

Monday Dec.12th

Session 1 - Challenges in plant production and plant protection

Morning (10:00-12:30 am)

- Welcome coffee
- Thibaut Malausa, INRAE PACA Sophia / Consortium Biocontrôle
- Philippe Nicot, INRAE PACA Avignon / International Organisation for Biological Control, IOBC

Topic: *International Organisation for Biological Control (IOBC) activities*

Afternoon (2:00-6 pm)

- Anne-Sophie Roy, European and Mediterranean Plant Protection Organization, EPPO

Topic: *EPPO activities on emerging plant pests*

- Teodoro Calles, Food and Agriculture Organization of the United Nations, FAO

Topic: *Current challenges for global agriculture (part 1)*

- Laurent Penet (online), INRAE

Topic: *"From agrochemistry to agroecology: example of banana cropping systems in French West Indies"*

Poster session & event

Wine & Cheese

Tuesday Dec.13th

Morning (9:00-12:30 am)

- Teodoro Calles, Food and Agriculture Organization of the United Nations, FAO

Topic: *Current challenges for global agriculture (part 2)*

Afternoon (2:00-5:00 pm)

Session 2 - Biocontrol - Biostimulants and management of plant health

- Laetitia Fourié, AFAÏA

Topic: *Extreme weather conditions : rôle of biostimulants in plant resistance to abiotic stresses*

Partnership with Laval University - Quebec

- Jacynthe Dessureault-Rompere (online), Faculté des sciences de l'agriculture et de l'alimentation

Topic: *Soil health and conservation & collaboration perspectives*

Thursday Dec.15th

Morning (9:00-12:30 am)

Session 4 - Innovation in biocontrol-biostimulants and plant health management

- Nicolas Ris, Michela Ion-Scotta & Christophe Vasseur, INRAE PACA Sophia / AGROINNOV startup

Topic: *"AgroINNOV : From basic research about egg parasitoids to diversification/optimization of biocontrol solutions (and back !?)"*

- Marie-Virginie Salvia, Univ. Perpignan

Topic: *"Development of tools based on -omics approaches to assess the fate and environmental impact of biopesticides"*

Afternoon (2:00-5:00 pm)

- Estelle Postic, Frais'Nat

Topic: *Biological control with parasitoids: from the study of insect ecology to the optimisation of a biological control program*

Session 5 - Role of experts in research and innovation in plant health management

- Nicolas Desneux, INRAE PACA Sophia / Expert ANSES

Topic: *"Meet with an ANSES expert" (reserved for MSc BOOST Students)*

- Marcel Amichot, INRAE PACA Sophia / Expertise collective (ESCO)

Topic: *"Results obtained in Biocontrol during the collective expertise"*

Wednesday Dec. 14th

Morning (9:00-12:30 am)

- Patrick Frettinger (on-site), Shaun D. Perry & Diana K. Londono (online), BASF

Topic: *"Developing biologicals globally – 3 colleagues' different perspectives"*

Session 3 - Research in biocontrol-biostimulants and plant health management

- Delphine Moreau, INRAE Dijon

Topic: *Which potential of service plants for multi-pest regulation?*

Afternoon (2:00-6:00 pm)

- Enric Frago, CIRAD,

Topic: *Complex interactions between pests and enemies, implications for biocontrol*

- Mélanie Nolden, ENVU

Topic: *Role of Anopheles funestus P450 monooxygenases in pyrethroid toxicology and resistance: a biochemical perspective*

Friday Dec.16th

Morning (9:00 am-1 pm)

Session 6 - Biocontrol and management of plant health

- Alain Roques (online), INRAE

Topic: *Emerging insect species related to woody plants and new tools to forecast and early detect future invasions*

- Bertrand George, Astrid Robette, Henri de Richecour, Neayi

Topic: *Triple performance platform*

11 am - PheHome inauguration

Afternoon (2:00-4:00 pm)

Session 7 - Challenges for research and innovation

- Inès Bouchemma, Univ. Poitiers

Topic: *« Legal framework for the development of biocontrol: Review and Perspective in France and Europe »*

- Niklas Moehring, CNRS,

Topic: *"Economics and Policy of Pesticide Risk Reduction"*