



Programme of the fifth meeting of the international PLANTCOM network



Location: [Occitanie - Toulouse INRAE center](#), Lynn Margulis conference room

GPS coordinates: 43.526659, 1.501138

November 25th

12:30 am: 1:30 pm: Lunch at the Toulouse INRAE center (financed by the PLANTCOM network)

GPS coordinates: 43.52724, 1.49915

2:00 pm - 2:30 pm: Introduction & Updates – Fabrice Roux

2:30 pm - 3:15 pm: Charles Melnyk (Swedish University of Agricultural Sciences, Sweden)

Developing a thief: The role of hormones and the environment in plant parasitism

3:15 pm - 3:45 pm: Ahmed Choukri (US2B, Nantes, France)

Branched Broomrape cuts the Mustard: Recognizing isothiocyanates exuded by Arabidopsis thaliana in the rhizosphere

3:45 pm - 4:15 pm: break

4:15 pm - 5:00 pm: Laura Stefan (Agroscope, Nyon, Switzerland)

Rapid transgenerational adaptation in response to intercropping reduces competition

5:00 pm - 5:30 pm: Chiara Santamarina (Università Politecnica delle Marche, Ancona, Italy)

Omics dissection of plant-plant interactions in tetraploid wheat and chickpea intercropping

5:30 pm - 6:00 pm: Mathieu Hanemian (LIPME, Toulouse, France)

Investigating vegetable intercropping through participatory and interdisciplinary science



08:00 pm: Dinner at the restaurant [LE CAPOUL](#) (financed by the PLANTCOM network)

GPS coordinates: 43.60509, 1.44683

November 26th

9:00 am – 9:45 am: Christian Schöb (Universidad Rey Juan Carlos, Madrid, Spain)

Coevolution of coexisting plants

9:45 am - 10:15 am: Laura Mathieu (PHIM, Montpellier, France)

Omic and genetic approaches to unravel wheat-wheat interactions modulating Septoria severity

10:15 am - 10:45 am: break

10:45 am – 11:15 am: Pius Otto (Agronomie, Palaiseau, France)

Oviposition-induced plant volatiles prime undamaged rapeseed defences against impending herbivores

11:15 am – 11:45 am: Oumayma Mhamdi (IJPB, Versailles, France)

*Uncovering the molecular basis of allelopathy in *Arabidopsis thaliana* using Genome-Wide Association Analysis and non-targeted metabolomics approaches*

11:45 am – 12:15 am: Hélène Gautier (PSH, Avignon, France), Delphine Moreau (Agroécologie, Dijon, France), Anne Violette Lavois (PSH, Avignon, France), Anne-Marie Cortesero (ISA, Nice, France), Jean-Marc Blazy (ASTRO, Guadeloupe, France)

The INRAE CREA network on the regulation of pests and diseases by service plants: objectives and achievement

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Map of the Occitanie – Toulouse INRAE center

