

Agenda for the workshop

Plant microbiome as driver for the next green agricultural revolution

Timing	Session	Speaker	Title
DAY 1 (22nd May 2025)			
09.00-09.15 am		Zahar Haichar & Shilpi Sharma	Opening remarks
09.15-11.15 am	Session 1 30 min each	Ashley Shade	Ecological design of plant-beneficial synthetic bacterial communities
		B. Ramakrishnan	Rice microbiomes: Visiting the 'Soil and Seed' Principle
		Feth el Zahar Haichar	How plant traits and root exudates affect plant microbiome
		Shilpi Sharma	Rooting for a change: Unraveling the pathobiome associated with Fusarium wilt of pigeonpea
11.15-11.45 am	Tea/Coffee break		
11.45-12.45 pm	Session 2 30 min each	Gaurav Sharma	Beyond host-microbial sequencing: Approaches and data analysis for plant microbiome studies in agriculture
		Pascal Piveteau	Sustainable organic waste management as driver of plant growth promotion and healthy environment
12.45-02.00 pm	Lunch		
02.00-03.30 pm	Session 3 30 min each	Louna Colaert-sentenac	Transient seed microbiomes impact seedling traits (and resistance to a phytopathogen)
		Satish Kumar Verma	Seed inhabiting bacterial endophytes promote growth and development, and protect seedlings from disease in millet crops
		Wafa Achouak	Regulation of rhizosphere formation in pearl millet through root exudates
03.30-03.45 pm	Tea/Coffee break		
03.45-05.15 pm	Session 4 30 min each	Akanksha Singh	Inside out: Endophytic microbiomes as key players in plant metabolite modulation
		Lars Jelsbak	Leveraging microbial biotransformation of secondary metabolites to enhance plant health
		Aswati R. Nair	Soil borne disease management with endophyte based strategies
06.30 pm onwards	Dinner		
DAY 2 (23rd May 2025)			
09.00-11.10 am	Session 5 30 min each	Abhrajyoti Ghosh 30 min	Unveiling the key players of plant-microbe crosstalk at the rhizosphere interface
		Yvan Moenne LoccoZ 30 min	Disease-suppressive soils, the plant microbiome at work
		Avinash Sharma 30 min	Harnessing the potential of kidney bean rhizosphere microbiomes for sustainable agriculture in the Himalayas
		Celine Lavire 20 min	The effect of bacterial extracellular vesicles on plant metabolism
		Sara Moutacharrif 10 min	How bacterial gene organisation links metabolism and virulence in <i>Dickeya dadantii</i>
		Clara Blonde 10 min	Roles of anaerobic respirations of carbon sources for the adaptation and survival of <i>Dickeya dadantii</i>
11.10-11.25 am	Tea/Coffee break		
11.25-12.55 pm	Session 6 30 min each	Alia Dellagi	Unravelling the mechanisms of maize nitrogen deficiency mitigation by mycorrhizae using a multi-omics approach combined to metabolic modelling
		Minakshi Grover	Microorganisms as tool for abiotic stress management in agriculture
		Sonal Srivastava	Employing engineered microbial community to suppress human pathogens in soil
12.55-01.45 pm	Lunch		
01.45-02.45 pm	Session 7 30 min each	Ramesh Kumar Natarajan	Deciphering the brackish-associated salt-tolerant pokkali rice microbiome to improve coastal salinity stress mitigation
		Benoit Alunni	Engineering maize root microbiota for improved plant nutrition under low-input agriculture.
02.45-03.30 pm	Session 8	Moderator: Zahar Haichar, Shilpi Sharma	Roundtable discussion and concluding remarks
03.30-05.30 pm	Visit to Parc de la tête d'or		