

Programme des Jjournées SymbiPhyt 2026
2-3-4 février
Saint-Martin-de-Londres

Lundi 2 février

- 13:00 | Arrivée et enregistrement
- **14:00 – 15:20 | Session I | Evolution et mécanismes des interactions plante-microorganismes, 1ere partie**
 - Triana Ramirez (LIPME) | *Investigating the role of bacterial cellulose in a vertically transmitted symbiosis in the phyllosphere*
 - Benoît Alunni (IJPB) | *Terminal bacteroid differentiation in the legume–rhizobium symbiosis: Evolution of NCR peptides and BacA transporters*
 - Julian Rubio-Pulido (LIPME) | *Strain-dependent bacteroid differentiation of Mimosa pudica symbionts*
 - Jean Keller (LRSV) | *Unravelling the molecular mechanisms of intracellular symbioses*
- 15:20 Pause café
- **15:40 – 17:10 | Table ronde**

Animée par

 - *Marc Lepetit*, ISA Sophia-Antipolis.
 - *Benoit Lefebvre*, LIPME Toulouse.

invités

 - *Celine Masclaux-Daubresse*, IJPB Versailles, cheffe de département adjointe BAP
 - *Bruno Favery*, ISA, Sophia Antipolis, chef de département adjoint SPE
 - *Denis Vile*, LEPSE, Montpellier, chef de département adjoint AgroEcoSystem (online)
 - *Marc Buée*, IAM, Nancy, département ECODIV (online)
- 17:10 | Pause
- **18:00 - 19:00 | Temps d'échange autour des opportunités de carrière dans la Recherche**

Animé par

 - *Bruno Favery*, Chef de département adjoint INRAE Santé des Plantes et Environnement (SPE).
 - *Fernanda de Carvalho-Niebel*, LIPME Toulouse & nominated member of the CNRS, section 25
 - *Pierre Frendo*, ISA Sophia-Antipolis & member of the Conseil National des Universités, section 66
 - *Sandra Bensmihen*, LIPME Toulouse & member of the CSS2 of IRD
- 19h30 | Dîner (*réservé aux participants hébergés au Hameau de l'étoile*)

Mardi 3 février

- **09:00 – 10:20 | Session II | Evolution et mécanismes des interactions plante-microorganismes**
 - o Anaïs Delers (LIPME) | *The role of DIX-domain polarity proteins in legume–rhizobia symbioses*
 - o Jean-François Arrighi (PHIM) | *A constitutively activated infection pathway underlies the rhizobial Nod-independent symbiosis in Aeschynomene evenia*
 - o Yara Noureddine (LIPME, ISA) | *Deciphering NF-YA1 transcription factor targets in nodule and gall formation*
 - o Anthony Calonne (LRSV) | *Evolution of nodule determinacy in legumes*

- 10:20 | Pause café
- **10:40 – 12:30 | Session III | Symbioses et environnement biotique et abiotique, 1ère partie**
 - o Fang Xie (CAS Shanghai) | *NLP1 SUMOylation Integrates Nitrate Signaling and Nodulation*
 - o Guilhem Reyt (LIPME) | *Radial nutrient transfer during arbuscular mycorrhizae*
 - o Benjamin Gourion (LIPME) | *Stories involving rhizobia, legumes and pathogens (not all stories require three players)*
 - o Nicolas Pauly (LRSV) | *MtRBOHF at the crossroad of symbiotic and abiotic stress responses in Medicago truncatula*
 - o Colin Pellerin (PHIM) | *The non-canonical histidine kinase AeHK5 drives lateral root and nodule organogenesis in the tropical legume Aeschynomene evenia*

- 12:30 – 14:00 | Déjeuner
- **14:00 – 15:00 | Session IV | Communautés symbiotiques, 1ère partie**
 - o Martina Januskova (Institute of Botany, Prague) | *Do arable soils select for less mutualistic arbuscular mycorrhizal fungi?*
 - o Raphael Boussageon (Agroscope Zürich) | *Engineer the soil microbiome to improve strawberry fruit quality*
 - o Elisa Taschen (Eco&Sol) | *Contrasting biotic and abiotic drivers of Glomeromycotina and Mucoromycotina mycorrhizal associations in a durum wheat field experiment*

- 15:00 | Pause
- **15:20 – 17:00 | Atelier**

Animé par Marion Prudent (Agroécologie), invités:

 - SymbiPhyt : Marc Lepetit, ISA /Aurélien Carlier, LIPME /Pierre-Emmanuel Courty, Agroécologie
 - MoDip : Maud Bernoux, LIPME
 - PlantCom : Germain Montazeaud, AGAP (présentiel)
 - RhizoPhile : Philippe Nacry, IPSIM
 - RhizosPhare : Agnès Attard, ISA
 - ENVIE : Mathilde Fagard, IJPB

- 18:00 - 19h30 | Dégustation de vins du Languedoc (*réservé aux participants hébergés*)
- 19h30 | Dîner (*réservé aux participants hébergés au Hameau de l'étoile*)

Mercredi 4 février**- 09:00 – 10:00 | Session V | Communautés symbiotiques, 2e partie**

- Marco Cosme (UPJV) | *Mycorrhizas drive the evolution of plant adaptation to drought*
- Célien Durney (Agroécologie) | *Arbuscular mycorrhizal fungal species diversity in vineyards: effects of soil physico-chemical properties and vineyard management practices*
- Benoît Alunni (IJPB) | *Maize microbiota engineering as a lever to improve nitrogen use efficiency and reduce chemical fertilization*

- 10:00 | Pause café**- 10:20 – 11:30 | Session VI | Symbioses et environnement biotique et abiotique, 2e partie**

- Marion Prudent (AgroEcologie) | Plant x rhizobia interactions at the heart of legume resilience to water deficit
- Yangyang Su (IPS2) | Impact of nutrient availability on the systemic regulation of symbiotic root nitrogen-fixing nodulation in *Medicago truncatula*
- Bruno Guillotin (IPS2) | Discovery of novel active peptides involved in nodule development in legumes
- Tom Laloum (ISA) | Post-transcriptional control of drought stress responses during nodulation
- Kevin Magne (IJPB) | Physiology of maize nitrogen nutrition under maize-soybean intercropping considering biological nitrogen fixation and common mycorrhizal network

- 11:30 – 12:00 | Mot de la fin**12:00 | Déjeuner et départ**