

**Weaving multidisciplinary to meet the challenges of agriculture, food, health and sustainability/Tisser la multidisciplinarité pour relever les défis de l'agriculture, de l'alimentation, de la santé et de la durabilité**

| Mercredi 2<br>Juillet 2025 | Mercredi 2 Juillet 2025                                                                                                                                                                                                                                       | Jeudi 3<br>Juillet 2025 | Jeudi 3 Juillet 2025                                                                                                                                                                                | Vendredi 4<br>Juillet 2025 | Vendredi 4 Juillet 2025                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------|
| TISS4                      | TISS4 Avignon University Institut AgES                                                                                                                                                                                                                        | TISS4                   | TISS4 Avignon University Institut AgES                                                                                                                                                              | TISS4                      | Expédition<br>Verger connecté INRAE, Pierre Baby Forficules,<br>Raphaël Minguet Oiseaux                 |
| 08:30-9:00                 | Enregistrement des participants<br>Café d'accueil                                                                                                                                                                                                             | 08:30-09:00             | Enregistrement des participants<br>Café d'accueil                                                                                                                                                   | 08:00                      | Enregistrement des participants<br>Inscriptions obligatoires aux groupes de visites                     |
| 09:00-09:30                | Mot de bienvenue<br>Ouverture de la 1ère 1/2 journée : Environnement<br><a href="#">Chairman : Dr. Joffrey Moiroux</a>                                                                                                                                        | 09:00-09:15             | Mot de bienvenue<br>Ouverture de la 3ème 1/2 journée : Durabilité<br><a href="#">Chairwoman : Carine Le-Bourvellec</a>                                                                              | 09:30-9:45                 |                                                                                                         |
| 09:30-10:15                | DR Céline PELOSI INRAE EMMAH<br><i>Soil revitalisation by adding earthworms and organic matter</i>                                                                                                                                                            | 09:15-10:00             | CR David PAGE INRAE SQPOV<br><i>Title : coming soon</i>                                                                                                                                             | 10:00-10:20                | 4 groupes : phénotypage, capteurs connectés,<br>enregistreurs acoustiques/oiseaux, suivi<br>arthropodes |
| 10:15-10:30                | Pierre BABY (2ème année, IMBE)<br><i>Towards a new bioindicator in apple orchards : studying biochemical biomarkers in the earwig, Forficula pubescens</i>                                                                                                    | 10:00-10:45             | Dr. Marine CHAMBAUD (ATER, EECAR/IMBE)<br><i>Water-based eco-extraction and direct formulation of plant dyes</i>                                                                                    |                            |                                                                                                         |
| 10:30-10:45                | Raphael MINGUET (2ème année, PSH)<br><i>Assessing the impact of agricultural practices on bird communities using acoustic recordings and deep learning algorithms</i>                                                                                         | 10:45-11:00             | Dr. Joyce ÁLVAREZ-BARRAGÁN (ATER SQPOV)<br><i>Discovery of the role of TSPO in porphyrin homeostasis in Bacillus cereus: an interactomics approach</i>                                              |                            |                                                                                                         |
| 10:45-11:00                | Pause                                                                                                                                                                                                                                                         | 11:00-11:15             | Pause                                                                                                                                                                                               |                            |                                                                                                         |
| 11:00-11:15                | GRIMONPONT Margot (3ème année, PV)<br><i>Elucidate the modes of action of biocontrol agents against Sclerotinia sclerotiorum on rapeseed</i>                                                                                                                  | 11:15-11:30             | Bastien DELBREIL (1ère année, SQPOV)<br><i>Fluorescent biomarkers to better predict the resistance and virulence of Bacillus cereus in dairy products</i>                                           |                            |                                                                                                         |
| 11:15-11:30                | BELINCHON-MORENO Javier (3ème année GAFL)<br><i>Pan-NLRome characterization in melon: A tool for developing varieties with natural resistance to pests and pathogens</i>                                                                                      | 11:30-11:45             | Emilie REZER (2ème année, SQPOV)<br><i>Identification of candidate polysaccharide biosynthesis genes and their role in the surface and resistance properties of Bacillus cereus spores</i>          |                            |                                                                                                         |
| 11:45-12:00                | Flash présentation de posters                                                                                                                                                                                                                                 | 11:45-12:00             | Flash présentation de posters                                                                                                                                                                       |                            |                                                                                                         |
| 12:00-12:15                | Séance posters                                                                                                                                                                                                                                                | 12:00-12:15             | Remise du 1er prix de thèse EUR Implantéus                                                                                                                                                          |                            |                                                                                                         |
| 12:15-14:00                | Déjeuner - Buffet et Séance posters                                                                                                                                                                                                                           | 12:15-14:00             | Déjeuner - Buffet et Séance posters                                                                                                                                                                 | 12:15-14:00                | Déjeuner-Panier Pique-Nique                                                                             |
| 14:00-14:15                | Mot de bienvenue - Ouverture de la 2ème 1/2 journée : IA, modélisation<br><a href="#">Chairwoman : Anna Melnykova</a>                                                                                                                                         | 14:00-14:15             | Mot de bienvenue - Ouverture de la 4ème 1/2 journée : Nutrition<br><a href="#">Chairman : Cyril REBOUL</a>                                                                                          | 16:45-17:00                | 4 groupes : phénotypage, capteurs connectés,<br>enregistreurs acoustiques/oiseaux, suivi<br>arthropodes |
| 14:15-15:00                | Dr. Seyed-Medhi JAZAYERI & Dr. Habib MOTIEGHADER<br><i>Biological Networks and Their Applications in Health and Food Science</i>                                                                                                                              | 14:15-15:00             | DR Jean-François LANDRIER INRAE C2VN<br>TomHealth, exemple of a multidisciplinary project from farm to fork                                                                                         |                            |                                                                                                         |
| 15:00-15:15                | Yan ZHAO (2ème année, PSH)<br><i>Experimental and modelling approaches to explore the genetic-induced and water deficit induced variations in the architectural traits (anatomy and conductivity) of the vasculature in tomato fruit pedicel and pericarp</i> | 15:00-15:15             | Dr. Ángela BRAVO-NÚÑEZ (Post-doc)<br><i>Plant-based emulsifiers and intestinal health</i>                                                                                                           |                            |                                                                                                         |
| 15:15-15:30                | Justine GIROUD-ARGOUD (1ère année, Eco Dev / SQPOV)<br><i>A mathematical approach to reconnecting fruit production and processing and promoting supply strategies from more diversified orchards</i>                                                          | 15:15-15:30             | Angélique BERTHOME (1ère année C2VN)<br><i>Effects of growing area, year and variety on the antinutritional profile of chickpea and their impact on fat-soluble micronutrient bioaccessibility</i>  |                            |                                                                                                         |
| 15:30-15:45                | Pause                                                                                                                                                                                                                                                         | 15:30-15:45             | Pause                                                                                                                                                                                               |                            |                                                                                                         |
| 15:45-16:30                | DR Denis ALLARD INRAE BioSP<br><i>Stochastic Weather Generators for agricultural or hydrological modeling</i>                                                                                                                                                 | 15:45-16:00             | Ahmadou-Moustaph DIENG (3ème année SQPOV)<br><i>Real-time monitoring of the evolution of the organoleptic quality of apples during a thermo-mechanical process using near-infrared spectroscopy</i> |                            |                                                                                                         |
| 16:30-17:30                | Séance posters<br>Mot de clôture                                                                                                                                                                                                                              | 16:00-16:45             | Séance posters et clôture                                                                                                                                                                           |                            |                                                                                                         |
|                            |                                                                                                                                                                                                                                                               |                         |                                                                                                                                                                                                     | 16:45-17:00                | Direction Agrosociétés- Fin de l'école d'été                                                            |