

Provisional program

International SPS Symposium 2026

October 14-16, 2026 - INRAE Center Versailles
<https://2026-saclay-plant-sciences.symposium.inrae.fr/>

In bold : invited speakers

Wednesday October 14, 2026

10:00 AM Registration and Poster setup

1:30 PM Introduction talk

KEYNOTE LECTURE

2:00 PM **Arp SCHNITTGER** (University of Hamburg, Germany)

Meiosis under heat – how to sort chromosomes in times of climate change

SESSION 1: NUTRITION, METABOLISM

3:00 PM **Marion EISENHUT** (Bielefeld University, Germany)

Built for manganese: conserved transport networks power photosynthesis from cyanobacteria to plants

3:35 PM **Sébastien THOMINE** (Institute for Integrative Biology of the Cell, France)

*Regulation of intracellular free zinc concentration in *Arabidopsis thaliana* roots*

4:10 PM Coffee break

4:40 PM **Adam SOLTÍ** (Eötvös Loránd University, Hungary)

*Manganese deficiency leads to a thallus-level shift in the manganese distribution to keep photosystem II function in *Marchantia polymorpha**

5:00 PM **Alicja DOBEK** (University of Gdansk, Poland)

Scopoletin O-demethylation leads to esculetin biosynthesis and affects plant response to abiotic and biotic factors

5:20 PM Flash talks

6:30 PM Welcome cocktail - Poster session
9:00 PM

Thursday October 15, 2026

8:30 AM	Registration and Poster setup	
SESSION 1: NUTRITION, METABOLISM		
9:00 AM	Audrey LE CABEC (Institute Jean-Pierre Bourgin for Plant Sciences, France)	CoreSeedMet: A multi-species and multi-omics study to identify core specialized seed metabolites
9:20 AM	Clara SOTOS (Institute for Integrative Biology of the Cell, France)	Plastid Terminal Oxidase activity is modulated by thylakoid ultrastructure in higher plants
SESSION 2: ENVIRONMENTAL INTERACTIONS		
9:40 AM	Consuelo DE MORAES (ETH Zurich, Switzerland)	Chemical communication in inter-specific ecological interactions
10:15 AM	Coffee break	
10:45 AM	Peter MERGAERT (Institute for Integrative Biology of the Cell, France)	Endosymbiosis: conserved mechanisms in plants and insects
11:20 AM	Luis Matthew DE GUZMAN (Cardiff University, UK)	A cell-resolved map of major macromolecules in the Arabidopsis thaliana root apical meristem
11:40 AM	Kusum KHATRI (Aberystwyth University, UK)	Linking root trait plasticity with fatty acid diversity in salt-stressed barley for climate resilience and productivity
12:00 PM	Mattéo CAROULLE (Institute Jean-Pierre Bourgin for Plant Sciences, France)	Epidermal growth revisited: insights into stigma development in A. thaliana
12:20 PM	Valérie GEFFROY (Institute of Plant Sciences Paris Saclay, France)	Cloning of the I gene reveals a dynamic NLR cluster conferring durable and broad-spectrum potyvirus resistance in common bean
12:40 PM	Lunch	
SESSION 3: DEVELOPMENTAL AND CELL BIOLOGY		
2:00 PM	Gwyneth INGRAM (Plant reproduction and development - RDP, France)	Embryo-endosperm communication in developing seeds: Establishing the boundaries of an ambiguous relationship
2:35 PM	Enrico MAGNANI (Institute Jean-Pierre Bourgin for Plant Sciences, France)	A change in the cell wall status initiates the elimination of the nucellus in Arabidopsis
3:10 PM	Yuyan QIN (Huazhong Agricultural University, China)	A single nucleotide variant in DcAP2L drives double flower formation in Dianthus Chinensis
3:30 PM	Yehoram LESHEM (Tel Hai University of Kiryat Shmona in the Galilee, Israël)	Increased plant thermal tolerance by RabA-mediated plasma membrane trafficking
3:50 PM	Coffee break	
4:20 PM	Laurine GRAZER (Plant reproduction and development - RDP, France)	Embryo-Derived Signaling Regulates Nutrient Allocation in Maize Kernels
4:40 PM	Hannes KOLLIST (Institute of Plant Sciences Paris Saclay, France)	Plants perceive the air pollutant ozone via the copper-dependent LRR receptor-like kinase CARD1/HPCA1
SESSION 4: GENOME WIDE ANALYSIS		
5:00 PM	Mélisande BLEIN-NICOLAS (Quantitative Genetics and Evolution, France)	Proteomics as a cornerstone in deciphering the genotype-phenotype relationship in maize
5:35 PM	Jianxiao TIAN (Huazhong Agricultural University, China)	Pangenomic analyses of rose uncover widespread structure variation and empower genomics-directed breeding
5:55 PM	Jaykumar PATEL (Aberystwyth University, UK)	Genomic insights into folate accumulation in global pearl millet germplasm
6:15 PM	Poster session	
9:00 PM		

Friday October 16, 2026

SESSION 4: GENOME WIDE ANALYSIS

9:00 AM José GUTIERREZ MARCOS (University of Warwick, UK)

An RWP-RK transcription factor integrates metabolic signalling to control cereal architecture and seed yield

9:35 AM Paula BELLÉS-SANCHO (University of Zurich, Switzerland)

Tn-seq profiling reveals that NodS of the beta-rhizobium Paraburkholderia phymatum is detrimental for nodulating soybean

9:55 AM Glanluca TEANO (Institute of Plant Sciences Paris Saclay, France)

Centromeres in common bean (Phaseolus vulgaris): lessons learned from chromosome scale genome assemblies

SESSION 5: AGRONOMIC TRAITS AND BREEDING TOOLS

10:15 AM Jean-Luc GALLOIS (Genetics and Improvement of Fruits and Vegetables, France)

Resistance to viruses based on eIF4E: from natural variation to edited genes

10:50 AM Coffee break and Poster removal

11:20 AM Timothée FLUTRE (Quantitative Genetics and Evolution, France)

Understanding the genetic basis of plant-plant interactions to breed varieties adapted to mixtures

11:40 AM Debasish GHOSH (BRIC - National Institute of Plant Genome Research, India)

Translation potential of MIR169:: NF-YA:: ARGOS node in regulating biomass and yield enhancement from Arabidopsis to tomato

12:00 PM Catarina CAMPOS (Universidade de Évora, Portugal)

Genotype-dependent physiological and molecular responses of wheat to manganese toxicity are modulated by arbuscular mycorrhizal fungi

12:20 PM Gagnon PENASSOU (Plant diversity, adaptation and development - DIADE, France)

Genetic and physiological control of early vigor in rice

12:40 PM Claudia JONAK (Austrian Institute of Technology, Austria)

Diversity of adaptive responses to heat and drought

1:00 PM End of the meeting

5:00 PM
11:00 PM Gala dinner