Program
Flower Development Workshop, Presqu'île de Giens, France
15 to 19 June 2026

Monday June 15

18:00-18:15 Welcome from the organizers

Session 1a: Floral transition/Flowering Time **Chair: Coupland George**

18:15-18:45 **COUPLAND George** (Max Planck Institute for Plant Breeding Research, Cologne, Germany). *Gene regulatory networks controlling floral transition in response to environmental cues in Arabidopsis and Arabis alpina.*

18:45-19:00 LAI Xuelei (National Key Laboratory of Crop Genetic Improvement, Huazhong Agricultural University, Wuhan, China). *Thermosensory flowering in rice.*

19:00-19:15 DOBETTI Fabio (Department of Agricultural and Environmental Sciences - Production, Territory, Agroenergy, University of Milan, Milan, Italy). *PINE1 mediates florigen-dependent control of stem elongation via a GA-independent pathway.*

19:15-19:30 DUVENECK Sarah (Plant Physiology, Botanical Institute, Kiel University, Kiel, Germany). *Impact of FLC genes on flowering time and vernalization requirement in oilseed rape***.**

19:30-19:45 PROVENIERS Marcel (Translational Plant Biology, Utrecht University, The Netherlands). *Genetic control of bolting in rosette plants: from rib zone regulation to flowering time.*

19:45-20:00 From Floral transition to Ecological transition. Vandenbusshe Michiel

20:15 Dinner

Tuesday June 16

Session 1b: Floral transition/Flowering Time **Chairs: Soraya Pelaz & Richard Immink**

8:30-8:50 **PELAZ Soraya** (CRAG, Barcelona, Spain). *Evolutionary developmental roles of RAV transcription factors in stress responses.*

8 :50-9 :05 ANDRÉS Fernando (UMR AGAP, INRAE, Montpellier, France and Instituto de Biología Molecular y Celular de Plantas, Universidad Politécnica de Valencia, Spain). *MdBRC1 and MdFT2 Interaction Fine-Tunes Bud Break Regulation in Apple.*

9:05-9:20 GARCÍA ROMAÑACH Laura (Umeå Plant Science Centre (UPSC), Department of Forest Genetics and Plant Physiology, Swedish University of Agricultural Sciences, Umeå, Sweden): *SPL9 acts as a timing checkpoint to coordinate dormancy release and bud break in Populus.*

9:20-9:35 ŠAFÁŘ Jan (Institute of Experimental Botany, Czech Academy of Sciences, Centre of Plant Structural and Functional Genomics, Olomouc, Czech Republic). *Natural Variation Underpins Vernalization Flexibility in Wild Hordeum Species.*

9:35-9:50 CONTI Lucio (Dipartimento di Bioscienze, Università degli studi di Milano, Milan, Italy). *Group A bZIP transcription factors redundantly regulate flowering time in Arabidopsis.*

9:50-10:05 ILLE Kea (Plant Physiology, Botanical Institute, Kiel University, Kiel, Germany). *Life history change in Brassica napus.*

10:05-10:25 Coffee break

10:25-11:30 Flash poster presentations (4 min/presentation)

WATSON Amy (Instituto de Biología Molecular y Celular de Plantas, Universidad Politécnica de Valencia, Spain). *Investigating transcriptional regulation of FT- and TFL1-like genes in apple (Malus domestica) by combining eGWAS analyses and luciferase reporter assays.*

COLLEONI Pierangela E. (Laboratory of Molecular Biology, Wageningen University & Research, The Netherlands). *Understanding the role of barley CENTRORADIALIS homologues.*

PANDEY Kailash (Laboratory of Molecular Biology, Wageningen University & Research, The Netherlands). *Flowering Regulators FUL2 and STM3 Suppress Secondary Growth in Tomato.*

PÉREZ-MORAGA José Rafael (Instituto de Biología Molecular y Celular de Plantas, Universitat Politècnica de Valencia, Spain.). *Apreviously unrecognized role of FRUITFULL in seed coat development.*

MURALEEDARAN Ananthu (Max Planck Institute, Köln, Germany). *Deciphering the role of the miRNA156-7/SPL15 module in floral transition and inflorescence development in Arabidopsis.*

PASTOR-MARTÍNEZ Iván (Instituto de Biología Molecular y Celular de Plantas, Universidad Politécnica de Valencia, Spain). *The bZIP transcription factor GBF3 seems to act with TFL1 to mediate / modulate its activity as developmental regulator.*

SAAVEDRA Jose (Instituto de Biología Molecular y Celular de Plantas, Universidad Politécnica de Valencia, Spain). *Molecular Responses to Elevated Temperature during Floral Transition in Rice.*

MIGUEZ Abraham (Instituto de Biología Molecular y Celular de Plantas, Universidad Politécnica de Valencia, Spain). *Unraveling Abiotic Streses-Drive Flowering Time Regulation in Rice for Climate Change Adaptation.*

RABAGLIATI Luca (Dipartimento di Bioscienze, Università degli Studi di Milano, Italy). *AREB3 integration of ABA signals at the Florigen Activation Complex.*

VAN WAIJJEN Hazel (Laboratory of Cell and Developmental Biology, Wageningen University and Research, The Netherlands). *Individual variation in drought-induced flowering time: a combined RNA sequencing and phenotypic analysis*

12:00 Lunch

Session 2a : Flower and fruit development **Chair: Kaufmann Kerstin & Parcy Franço is**

16 :00-16:20 **DE FOLTER Stefan (**Unidad de Genómica Avanzada, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional México). *Functional analysis of SPATULA transcription factors in tomato.*

16 :20-10:35 GÓMEZ-MENA Concha **(**Department of Development and Hormonal Action in Plants, Instituto de Biología Molecular y Celular de Plantas, Valencia, Spain). *Coordination between male gametogenesis and ovary growth in tomato*

16:35-16:50 JI Zhe (Department of Biology, University of Oxford, Oxford, UK). *Beneath the emerald surface: linking cuticle integrity to fertility in pea.*

16:50-17:05 WANG Ludi (Sainsbury Laboratory, University of Cambridge, Bateman Street, Cambridge, CB2 1LR, UK). *Mechanisms of developmental programmed cell death in maize pistil suppression.*

17:05-17:20 **BLACK Annie** (Lancôme-L'Oréal Paris, France). *Modulating skin aging molecular targets and longevity drivers through the use of Rose-Derived Polydeoxyribonucleotide.*

17:20- 17:50 Coffee break

Session 2b : Flower and fruit development

Chairs: Kaufmann Kerstin & Zubieta Chloé

17:50-18:10 **KAUFMANN Kerstin (**Institute for Biology, Humboldt-Universität zu Berlin,Rhoda-Erdmann-Haus Philippstraße Berlin, Germany**).** *TITLE tba*

18:10-18:25 SANDERS Isabella A. M. S. (Laboratory of Cell and Developmental Biology, Wageningen University and Research, The Netherlands). *Searching for Specificity in MADS-Box Protein-Protein Interactions.*

18:25-18:40 BEMER Marian (Biosystematics group, Wageningen University & Research, the Netherlands). *The FUL-SHP-AP2 module regulates fruit development in petunia.*

18:40-18:55 KWAK June M. (Department of New Biology, Daegu, Korea). *Epidermal integrity in the Arabidopsis fruit receptacle.*

18:55-20:00 **Flash poster presentations** (4 min/presentation)

YU Ruotong (University of Helsinki, Finland). *Spatiotemporal coordination of growth, patterning, and regulatory gene expression during strawberry flower development.*

LEIROS Eva (Laboratoire Reproduction et Développement des Plantes, ENS de Lyon, France) *How is tubular corolla architecture regulated? Understanding the molecular mechanisms of petal fusion in Petunia flowers.*

ROQUE Edelín (Instituto de Biología Molecular y Celular de Plantas, Ciudad Politécnica de la Innovación, Valencia. Spain): *A conserved role for SUPERMAN in seed development across eudicots.*

MARCON Alice (Max Planck Institute for Plant Breeding Research, Cologne, Germany). *Deciphering distinct spatio-temporal functions of FT florigen during inflorescence development.*

KIM Min (The Sainsbury laboratory, University of Cambridge, UK) *Understanding the Mechanism of Floral Trichome Development in Hibiscus trionum.*

ZHOU Quan (Department of Agricultural Sciences, University of Helsinki, Finland): *GIGANTEA activates CONSTANS and flOWERING LOCUS T1 to promote flowering in long-day flowering woodland strawberry.*

BALANZÀ Vincente (Instituto de Biología Molecular y Celular de Plantas, Universitat Politècnica de València, Spain). *The relevance of choosing the right pollen: Exploring metaxenia effects in tomato fruits.*

BERETTA Veronica (Dipartimento di Bioscienze, Università degli Studi di Milano, Italy): *Role of the ALOG gene family in regulating the reproductive meristem development of Oryza sativa.*

RODRIGUEZ PELAYO Carolina (Instituto de Biología Molecular y Celular de Plantas, Valencia, Spain). *The Role of HECATE Genes in Reproductive Tissues.*

GONCALVES Maïlys (Laboratoire Reproduction et Développement des Plantes, Ecole Normale Supérieure de Lyon, France). *The TCTP pathway, conserved between plants and animals, is a major regulatory pathway of cell proliferation and organ growth.*

HUDZIECZEK Vojtech (Institute of Biophysics of the Czech Academy of Sciences, Brno, Czech Republic). *Y-linked CLAVATA3 homolog (GSFY) negatively regulates SUPERMAN-like gene to suppress gynoecium development in male Silene latifolia.*

20:00 Dinner

20:30>…. Poster session 1

Wednesday June 17

Session 2c : Flower and fruit development **Chairs: Kaufmann Kerstin & Zubieta Chloé**

8:30-8:50 **GONZALEZ Nathalie** (INRAE, Laboratoire de Biologie du Fruit et Pathologie, Villenave d'Ornon, France). *Ploidy-specific gene expression and its regulation during endoreduplication in early tomato fruit development.*

8:50-9:05 DE ANGELIS Martina (University of Bristol, Bristol, UK*) Deciphering the developmental basis of carpel initiation.*

9:05-9:20 BESNARD Fabrice (Laboratoire Reproduction et Développement des Plantes, ENS de FranceFrance). *Looking at flowers from the bract side.*

9:20-9:35 O'MAOILEIDIGH Diarmuid (Department of Biology, Maynooth University, Ireland). *Control of seed pod photosynthesis by AGAMOUS and SHATTERPROOF transcription factors.*

9:35-9:50 DESERT Emma (Laboratoire de Reproduction et Développement des Plantes, ENS de Lyon, France). *Peeling the layers of a Petunia petal.*

9:50- 10:20 Coffee break

Session 3a: Inflorescence architecture / meristem identity and organization
Chairs: Perilleux Claire & Sablowski Robert

10:20-10:40 **VERNOUX Teva** (Laboratoire Reproduction et Développement des Plantes, ENS de Lyon, France**):** *Auxin biosynthesis and the tempo of flower initiation.*

10:40-11:00 **SABLOWSKI Robert** (John Innes Centre, Norwich Research Park, Norwich, United Kingdom): *Control of radial growth through oriented cell divisions in the rib meristem.*

11:00-11:15 GREGIS Veronica (Università degli Studi di Milano, Milan, Italy). *Behind Phyllotaxis in the Meristem: Novel and Known Regulators Shaping Inflorescence Architecture.*

11:15-11:30 HEISLER Marcus G (Department of Plant Biology, Linnean Center for Plant Biology, Swedish University of Agricultural Sciences, Uppsala, Sweden). *The role of TMO5 and related genes in flower positioning*

11:30-11:45 PAJORO Alice (Institute of Molecular Biology and Pathology, National Research Council, Rome, Italy). *Coupling Stem Growth and Floral Transition: Impacts on Inflorescence Architecture.*

11:45-12:00 CERISE Martina (Max Planck Institute, Cologne, Germany). *Cytokinin signalling drives rib meristem formation to promote shoot axis growth during the floral transition in Arabidopsis.*

12:15 Lunch

Session 3b: Inflorescence architecture / meristem identity and organization
Chairs: Perilleux Claire & Sablowski Robert

16:00-16:20 **SIMON Rudiger (***Heinrich Heine University, Faculty of Mathematics and Natural Sciences, Institute for Developmental Genetics, CEPLAS, Düsseldorf, Germany*). *Spatial cell ecotypes in barley development.*

16:20-16:40 **MADUENO Paco (**Instituto de Biología Molecular y Celular de Plantas, Universidad Politécnica de Valencia, Spain). *Genetic network controlling production of flowers in the legume compound inflorescence.*

16:40-16:55 MORENO-RAMÍREZ Sebastián (Sainsbury Laboratory, University of Cambridge, UK). *Shaping shoot organogenesis through ABA-controlled stem cell dynamics.*

16:55-17:10 LEMBINEN Sergei (SUPRUN) (Department of Agricultural Sciences, Viikki Plant Science Centre, University of Helsinki, Finland). *Florigen and antiflorigen regulate developmental transitions and perennial growth cycle in woodland strawberry*.

17:10-17:25 BOLLIER Norbert (Université de Bordeaux, INRAE, France). *Analysis of Heat Stress Responses in Tomato Shoot Apical Meristems: From Cellular Alterations to Gene Expression Changes.*

17:25-17:40 SANCHEZ Bretones Indira (Laboratory of Cell Developmental Biology. Wageningen University, The Netherlands). *Unravelling the mechanisms behind inflorescence termination in tomato.*

17:40- 18:10 Coffee break

18:10-19:25 **Flash poster presentations** (4 min/presentation)

ADAM Hélène (UMR DIADE, University of Montpellier, IRD, CIRAD, Montpellier, France). *Connecting gene expression and cytokinin signaling during meristem determinacy transition in the rice panicle.*

da Silveira Falavigna Vítor (Department of Plant Developmental Biology, Max Planck Institute for Plant Breeding Research, Cologne, Germany). *SnRK2–bZIP13 independently regulate the development of the Arabidopsis inflorescence meristem and stem.*

BERTRAN Garcia de Olalla Enric *(*Laboratoire Reproduction et Développement des Plantes ENS de Lyon, France). *Plastochron regulation at the shoot apex by auxin temporal dynamics.*

VARDANEGA Isaia (Institute of Developmental Genetics, Heinrich-Heine University, Düsseldorf, Germany). *Shaping barley spike architecture by tinkering with stem cell regulators.*

GROSSMANN Christopher (Plant Cell and Molecular Biology, Institute of Biology, Berlin, Germany). *Dissecting redox dynamics in the Arabidopsis shoot apical meristem using fluorescent sensors.*

BERTELLI Sara (Plant Cell and Molecular Biology, Institute of Biology, Berlin, Germany). *Optogenetic perturbation of biophysical signals in the shoot apical meristem during organogenesis.*

VEREZ Clément (Laboratoire Reproduction et Développement des Plantes, ENS Lyon, France). *Petunia's Inflorescence Architecture: An Ariadne's string through gene regulatory network.*

ZERU ZELELEW Daniel (Department of Agricultural Science, Viikki Plant Science Centre, University of Helsinki, Finland). *Molecular regulatory networks controlling inflorescence meristem patterning of the Asteraceae capitulum.*

BELIGON Chiquitta (Laboratoire Reproduction et Développement des Plantes, ENS, Lyon, France). *Combined transcriptomics reveal an R2R3-MYB as a potential activator of red spot pattern in rose petals.*

PETRELLA Rosanna (Institute of Developmental Genetics, Heinrich-Heine University, Düsseldorf, Germany). *Plasmodesmata: the cellular gatekeepers of inflorescence fate in barley.*

KELLY Terice (Sainsbury Laboratory Cambridge, UK). *Programmed cell death and the evolution of sex determination in the grasses.*

OFFER Elisabetta (Università degli Studi di Padova, Italy). Reproductive mechanisms in basal gymnosperms: the evolution of pollen-ovule interaction.

DIAZ Maximiliano (Instituto de Biologia Molecular y Celular de Plantas, Universitat Politecnica de Valencia Spain). *Random Forest-based prediction of FT-like flowering repressors and their independent emergence during angiosperm evolution.*

May Yeo (Sainsbury Laboratory, University of Cambridge, UK) *Flavonoid diversification in Hibiscus trionum and its impact on petal pattern evolution.*

19:30 Dinner

20:30 ->… Poster session 2

Thursday June 18:

Session 4 : Sexual plant reproduction — Chair: Boualem Adnane & Melzer Rainer

8:30-8:50 **MELZER Rainer** (School of Biology and Environmental Science, University College Dublin, Irlande). *The role of gene sub- and neofunctionalization in the development of male and female flowers of Cannabis sativa.*

8:50-9:10 **BOUALEM Adnane** (IPS2 laboratory, Paris Saclay University, France). *Spatially decoupled ethylene signaling controls sexual organ fate in flowers.*

9:10-9:25 AUTRAN Daphné (UMR DIADE, University of Montpellier, IRD, CIRAD, Montpellier, France). *Ovule primordia morphogenesis and female germ cell precursors plasticity.*

9:25-9:40 VAN HUMBEECK Anne (Umeå Plant Science Centre, Umeå University, Sweden). *Arabidopsis LITTLE TWEEZER microproteins picking apart plant reproduction.*

9:40-9:55 CUCCINOTTA Mara (Dipartimento di Bioscienze, Università degli Studi di Milano Italy). *Molecular and Genomic Dissection of Apomictic Reproduction in Hieracium tenuiflorum.*

9:55-10:10 MONNIAUX Marie (University of Lille, France). *Evolving as a couple: diversification of the ligand-receptor pair controlling self-incompatibility in Brassicaceae.*

10:10- 10:30 Coffee break

Session 5 : Evo-devo — Chair: Vandenbussche Michiel

10:30-10:50 **PARCY François (**Laboratoire de Physiologie Cellulaire et Végétale, CEA Grenoble, France). *I don't think LEAFY is a flower meristem identity gene.*

10:50-11:10 **VANDENBUSSCHE Michiel (**Laboratoire Reproduction et Développement des Plantes, ENS de Lyon, France). *Divergent Evolution of WOX homeodomain transcription factor function during diversification of the core eudicots.*

11:10-11:25 JANICEK Tomas (Institute of Biophysics of the Czech Academy of Sciences, Brno, Czech Republic). *Evolutionary divergence of sex-linked HANABA TARANU homolog and its regulatory pathway shapes floral development in Silene latifolia.*

11:25-11:40 DOODY Erin (Sainsbury Laboratory at Cambridge University). *MADELEINE, a flavonoid UDP-glycosyltransferase, is necessary for the correct differentiation of bullseye epidermal cells in the Hibiscus trionum petal.*

11:40-11:55 CLAUDOT Carmine (Université Paris-Saclay, Gif-sur-Yvette, France). *New insights into the functional divergence between the two members of the AG subfamily in Nigella damascene.*

12:00 Lunch

Session 6 : Omics and new technologies applied to development — Chair: Bendahmane Mohammed

13:30-13:50 **RIECHMANN José Luis** (CRAG, Barcelona, Spain): *The Arabidopsis non-conventional peptidome.*

13:50-14:10 **ZUBIETA Chloé** (Laboratoire de Physiologie Cellulaire et Végétale, CEA Grenoble, France). *Phase separation of EARLY FLOWERING 3 – molecular mechanisms of temperature sensing.*

14:10-14:25 SAARENPÄÄ Sami (School of Engineering Sciences in Chemistry, Sweden; Institute of Biology, Humboldt-Universität zu Berlin, Germany). *Spatiotemporal transcriptomic dynamics of flower development*.

14:25-14:40 WAHL Vanessa (The James Hutton Institute, United Kingdom). *From the model to the crop: new regulators from old pathways.*

14:40-15:00 **BENDAHMANE Mohammed** (Laboratoire Reproduction et Développement des Plantes, ENS de Lyon, France). *Insights from the rose pangenome: broad structural variations and molecular mechanisms underlying rose traits*.

15:05-15:20 **Rewards and Closing remarques**

15:20 ->….. **Coffee break, discussions…Beach, free time……**

20:00 **Dinner**

Evening: Party

Friday June 19 (morning) **:**

Departure after breakfast