



Sunday September 3

18:00-19:15 Registration

19:15-19:30 Welcome **MARTIN KATER** and **BARBARA BALDAN**

OPENING LECTURE

19:30-20:00 **COUPLAND GEORGE** (Cologne, Germany): "Integration of flowering pathways at the shoot meristem"

20:00 Cocktail dinner

Monday September 4

Session 1: Floral Transition

Chair: Coupland George & Angenent Gerco

PLENARY SPEAKER

9:30-10:00 **AN GYNHEUNG** (Yongin, South Korea): "Cytokinin represses flowering in rice through inactivation of Ehd1 protein function"

SELECTED TALKS

10:00-10:15 **COLLANI SILVIO** (Umeå, Sweden): "New insights on the bZIP transcription factor FD promoting flowering in *Arabidopsis thaliana*"

10:15-10:30 **RICHTER RENÉ** (Cologne, Germany): "The B3-type transcription factor TARGET OF FLC AND SVP1 is a target of the vernalisation, ageing and gibberellin signaling pathway and is required for accurate temporal expression of SEPALLATA3"

10:30-10:45 **WENKEL STEPHAN** (Copenhagen, Denmark): "Regulation of flowering time by microProteins"

10:45-11:30 Coffee break

PLENARY SPEAKER

11:30-12:00 **ANGENENT GERCO** (Wageningen, The Netherlands): "New and old partners in SOC1 and SVP protein complexes"





SELECTED TALKS

- 12:00-12:15** **FORNARA FABIO** (Milan, Italy): "PREMATURE INTERNODE ELONGATION 1 links internode elongation to florigenic signaling at the shoot apical meristem of rice"
- 12:15-12:30** **IMMINK RICHARD** (Wageningen, The Netherlands): "A key role of histone H3 lysine 36 methylation in temperature-induced alternative splicing and flowering "
- 12:30-12:45** **ANDRÉS LALAGUNA FERNANDO** (Montpellier, France): "Genetic and molecular characterization of bud dormancy in apple: deciphering candidate gene roles in dormancy regulation"
- 12:45-13:00** **GOTO KOJI** (Okayama, Japan): "Functional analysis of tomato flowering genes"

13:00-15:00 Lunch

Session 2: Inflorescence Development

Chair: Sablowski Robert & Kater Martin

PLENARY SPEAKER

- 15:00-15:30** **SABLOWSKI ROBERT** (Norwich, United Kingdom): "Cellular and regulatory basis for stem initiation in the shoot apex"

SELECTED TALKS

- 15:30-15:45** **PIÑEIRO MANUEL** (Madrid, Spain): "The chromatin protein EBS is involved in the regulation of different aspects of reproductive development in Arabidopsis"
- 15:45-16:00** **BENCIVENGA STEFANO** (Norwich, United Kingdom): "Regulation of inflorescence architecture in wheat by TEOSINTE BRANCHED1"
- 16:00-16:15** **RAMBAUD LÉA** (Lyon, France): "The genetics and mechanics of shoot apical stem cells"

16:15-17:00 Coffee break

PLENARY SPEAKER

- 17:00-17:30** **FERRANDIZ CRISTINA** (Valencia, Spain): "The secrets of a long life: Genetic control of life span in monocarpic plants"





SELECTED TALKS

17:30-17:45 CHANDLER JOHN WILLIAM (Cologne, Germany): "The regulation of floral meristem identity and lateral organ initiation at the IM in Arabidopsis"

17:45-18:00 SILVA SAVANI (Utrecht, The Netherlands): "The nuts and bolts of stem elongation: ATH1 mediates sensitivity to internal and external bolting signals"

18:00-20:00 Botanical garden tour

19:30 Cocktail dinner

Tuesday September 5

Session 3: Flower Development

Chair: Ferrandiz Cristina & Immink Richard

PLENARY SPEAKER

9:00-9:30 VANDENBUSSCHE MICHIEL (Lyon, France): "Divergence of the floral A-function"

SELECTED TALKS

9:30-9:45 O'MAOILEIDIGH DIARMUID (Cologne, Germany): "MADS-domain proteins suppress trichome and stomata formation during floral organ formation"

9:45-10:00 PRUNET NATHANAËL (Pasadena, USA): "SUPERMAN controls the auxin/cytokinin balance at the stamen/carpel boundary to prevent class B gene expression and promote stem cell termination in the fourth whorl of Arabidopsis flowers"

10:00-10:15 ZUBIETA CHLOE (Grenoble, France): "SEPALLATA and AGAMOUS tetramers are required for floral meristem determinacy."

10:15-10:30 DRENI LUDOVICO (Shanghai, China): "Loss of Function of Three LOFSEP MADS-box Genes Causes the Conversion of Spikelet Organs into Leaf-like Structures in Rice"

10:30-11:15 Coffee break

PLENARY SPEAKER

11:15-11:45 DE FOLTER STEFAN (Irapuato, Mexico): "Unravelling regulatory networks during gynoecium development"





SELECTED TALKS

- 11:45-12:00 VAN ES SAM** (Wageningen, The Netherlands): "How TCP5 keeps the Arabidopsis petal in good shape"
- 12:00-12:15 MOYROUD EDWIGE** (Cambridge, United Kingdom): "Scratching the surface: understanding the development, function and evolution of nanopatterning in petals"
- 12:15-12:30 EGEA-CORTINES MARCOS** (Cartagena, Spain): "When petals become petals: diel components of petal functions"
- 12:30-12:45 SMYTH DAVID** (Melbourne, Australia): "The helical arrangement of floral organs"
- 12:45-13:00 GOLDMAN MARIA HELENA** (Ribeirão Preto, Brazil) "SC11 (Stigma/style Cell-cycle Inhibitor 1) interacts with 14-3-3 and WEE1 proteins and is degraded during cell division"

13:00-15:00 Lunch

PLENARY SPEAKER

- 15:00-15:30 COLOMBO LUCIA** (Milan, Italy): "Alternative splicing regulates auxin response during reproductive phase in *Arabidopsis thaliana*"

SELECTED TALKS

- 15:30-15:45 CARDARELLI MAURA** (Rome, Italy): "An auxin maximum in the anther tissue middle layer controls auxin distribution and late stamen development in *Arabidopsis*"
- 15:45-16:00 RÜMPLER FLORIAN** (Jena, Germany): "Sequence features critical for the interactions of MADS-domain proteins that act as hubs in the protein-protein interaction network controlling flower development"
- 16:00-16:15 GREGIS VERONICA** (Milan, Italy): "Molecular mechanism of BASIC PENTACYSTEINE factors and MADS-box transcription factor SVP involved in reproductive development in the model species *Arabidopsis thaliana*"
- 16:15-16:30 MONNIAUX MARIE** (Cologne, Germany): "Genetic basis of petal number variation"

16:30-17:00 Coffee break





PLENARY SPEAKERS

17:00-17:30 **PARCY FRANÇOIS** (Grenoble, France): “The genetics of fractal cauliflowers: the story of an unsuccessful flower”

17:30-18:00 **MOHAMMED BENDAHMANE** (Lyon, France) “Molecular and genetic control of flower initiation and development in the rose”

18:00-20:00 Posters

20:00 Cocktail dinner

Wednesday September 6

Session 4: Sexual Plant Reproduction

Chair: Colombo Lucia

PLENARY SPEAKERS

9:00-9:30 **HIGASHIYAMA TETSUYA** (Nagoya, Japan) “Pollen tube guidance inside flowers”

9:30-10:00 **TUCKER MATTHEW** (Adelaide, Australia): “Intercellular communication during female germline development in flowering plants”

SELECTED TALK

10:00-10:15 **MENDES MARTA** (Milan, Italy): “Live and Let Die: a REM complex promotes fertilization through synergid cell death in Arabidopsis”

10:15-11:00 Coffee break

PLENARY SPEAKER

11:00-11:30 **PALANIVELU RAVISHANKAR** (Tucson, USA): “Closing the deal for a new beginning: Arabidopsis LORELEI is required for pollen tube reception by the female gametophyte”

SELECTED TALKS

11:30-11:45 **PEREIRA ANA MARTA** (Porto, Portugal): “Who’s got the moves like JAGGER? An AGP Essential for Persistent Synergid Degeneration and Polyubey Block in Arabidopsis”





11:45-12:00 WILKINSON LAURA (Adelaide, Australia) "Identification of molecular cues influencing ovule development in barley"

Session 5: Evo-Devo

Chair: Theißen Günter & Scutt Charlie

PLENARY SPEAKER

12:00-12:30 GILMARTIN PHILIP (Norwich, United Kingdom): "Characterization of the S locus supergene controlling heterostyly in Darwin's Primroses"

SELECTED TALKS

12:30-12:45 ELOMAA PAULA (Helsinki, Finland): "Patterning of the flower-like Asteraceae capitulum"

12:45-13:00 GALSTYAN ANAHIT (Cologne, Germany): "FRUITFULL: interplay between conservation and divergence to shape *Cardamine irsuta* fruit"

13:00-15:00 Lunch

SELECTED TALKS

15:00-15:15 ZACHGO SABINE (Osnabrück, Germany): "Nuclear ROXY and TGA transcription factor protein analyses during land-plant evolution"

15:15-15:30 MOSCHIN SILVIA (Padua, Italy): "In the basal Angiosperm *Nymphaea caerulea* the complexity of the reproductive structures is underlined by the MADS-box genes expressed during their development"

15:30-15:45 LARANJEIRA SARA (Braga, Portugal): "Evolution of a versatile plant regulatory module composed by three MYB-like proteins"

15:45-16:00 GRAMZOW LYDIA (Jena, Germany): "Frequent loss of an ancient microRNA controlling class B floral homeotic genes"

16:00-16:15 DAVIES BRENDAN (Leeds, United Kingdom): "Transcriptional repression in plant development and evolution"

16:15-16:45 Coffee break





Session 6: Fruit and Seed Development

Chair: Masiero Simona

PLENARY SPEAKER

16:45-17:15 THEIßEN GÜNTER (Jena, Germany) "Eco-Evo-Devo of fruit dimorphism in the basal Brassicaceae *Aethionema*"

SELECTED TALKS

17:15-17:30 FRANKS ROBERT (Raleigh, USA): "Transcriptomic analysis of *Mimulus* seed development: understanding hybrid seed inviability and reproductive isolation in *Mimulus* species"

17:30-17:45 EZQUER IGNAZIO (Milan, Italy): "Deciphering cell wall modelling factors during seed development in *Arabidopsis*"

17:45-18:00 MIZZOTTI CHIARA (Milan, Italy): "Fruit growth and development: some hints from the transcriptome of *Arabidopsis thaliana* siliques"

PLENARY SPEAKER

18:00-18:30 ØSTERGAARD LARS (Norwich, United Kingdom): "Stories on fruit form from the Shepherd's Purse"

20:00 Social dinner party at Caffè Pedrocchi

