

MONDAY, NOVEMBER 24

Session 1: Chair George Coupland
09.30 George Coupland

Welcome and Introduction to the MPIPZ

09.35 Kentaro Shimizu

Breeding systems of diploid and polyploid Arabidopsis relatives

10.05 Cristobel Uauy

Into the field: understanding complex traits for wheat improvement

10.35 – 11.15 Coffee

Session 2: Chair Imre Somssich
11.15 Korbinian Schneeberger

Lack of symmetric CG methylation and long-lasting retrotransposon activity have shaped the genome of *Arabidopsis alpina*

11.45 Hajime Ikeda

Molecular evolution of phytochromes and their daylength relevant divergence

12.15 Eric Kemen

The interplay between leaf microbiome and pathogen infection

12.45 Iris Finkemeier

Exploring the role of lysine acetylation in the regulation of plant metabolism

13.15-14.30 Lunch

14.30-16.00 Lab Tours and Informal Discussions

16.00-16.30 Coffee

Session 3: Chair Miltos Tsiantis
16.30 Hirokazu Tsukaya

Compensation – an unknown integration system that oversees cell division and expansion in leaves

17.00 Richard Smith

Optimality in Phyllotaxis: Is the golden angle best for light capture?

17.30 Yutaka Sato

Conservation and diversity of embryo morphology and patterning in plants

18.00 Mitsuyasu Hasebe

Evolution of development in land plants

18:30 – 21:00 Posters, Food and Drinks

TUESDAY, NOVEMBER 25

Session 4: Chair Takaki Maekawa
09.00 Jane Parker

Plant immunity: receptor dynamics in cells and natural populations

09.30 Alga Zuccaro

Fungal root symbioses: a molecular overview of the fungal dimension

10.00 Kenichi Tsuda

Robustness and tunability: design principles of plant immune signaling networks

10.30-11.00 Coffee

Session 5: Chair Maarten Koornneef
11.00 Takaki Maekawa

Conservation of a coiled-coil type NLR-triggered immunity across plant lineages and dissection of the bifurcated signaling mechanism

11.20 Ryosuke Hayama

A novel role of PSEUDO RESPONSER REGULATOR proteins defines CONSTANS-mediated recognition of day length and seasonal flowering response

11.40 Maria Cartolano

Heterochrony underpins natural variation in *C. hirsuta* leaf complexity

12.00 Guillaume Née

The identification of heme and flavin as cofactors of the dormancy protein DOG1

12.20 Stéphane Hacquard

Structure and functions of the Arabidopsis root microbiota

12.45-14.30 Lunch

Session 6: Chair: Masaru Ohme-Takagi
14.30 Doris Wagner

A chromatin switch underlies flower primordium initiation downstream of the auxin responsive transcription factor MONOPTEROS

15.00 Gan Eng Seng

Histone demethylases regulate floral transition in Arabidopsis

15.30 Franziska Turck

Telomer Repeat Binding Protein 1 and 3 assist Polycomb complexes in target gene repression

16.00-16.30 Coffee

Session 7: Chair Wim Soppe
16.30 Ute Krämer

Mighty metals – A system for studying evolutionary adaptation in plants

17.00 Hiroshi Kudoh

Molecular phenology: seasonal control of flowering-time genes under natural conditions

17.30-18.00 Yudai Okuyama

Evolutionary genetics of pollinator mediated speciation in Asian *Mitella*

WEDNESDAY, NOVEMBER 26

Session 8: Chair Paul Schulze-Lefert
9.00 Liu Lu

Intracellular compartmentation of STM is essential for shoot meristem development

9.30 Shigeyuki Betsuyaku

Watching plant immune response towards spatiotemporal dissection of plant immunity

10.00 Nico Geldner

The endodermis – what we have learned from studying its cellular differentiation

10.30-11.00 Coffee

Session 9: Chair Maria von Korff
11.00 Tomokazu Kawashima

F-actin and its dynamic movement are essential for fertilization of flowering plants

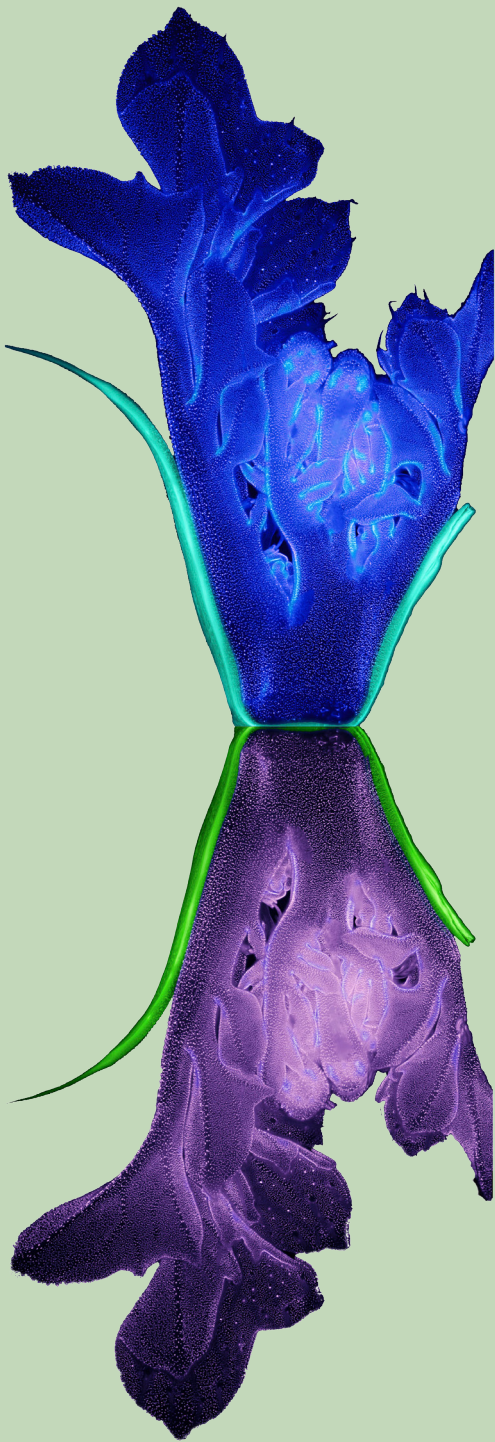
11.30 Angela Hay

The genetic basis of petal number variation

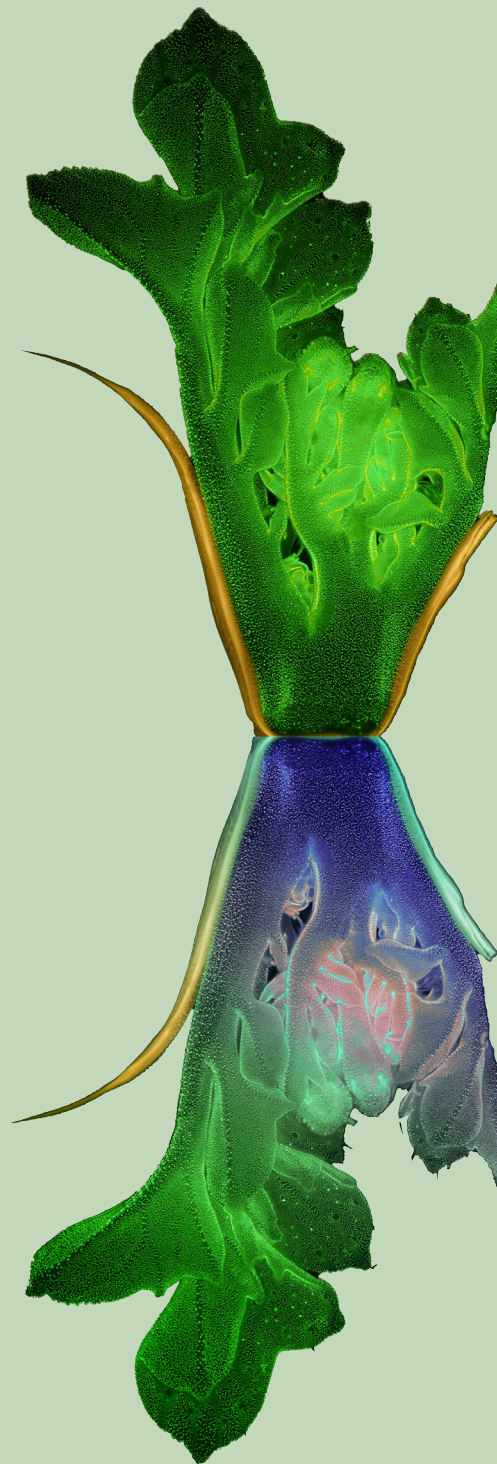
12.00 Andreas Weber

The evolution of function of C4 photosynthesis

Closing Comments: Mitsuyasu Hasebe, NIBB



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Max Planck Institute for
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PROGRAM

