

Thursday, August 25

04–06 PM Arrival and registration of participants

06:00 PM **Welcome**

Key Note

06:15 PM **Steven Penfield** (John Innes Centre, UK)

Ambient temperature: Revisiting the role of FLC

08:00 PM **Dinner downtown Halle**

Restaurant La Fontana August-Bebel-Platz 8, 06108 Halle (Saale)

Friday, August 26

Temperature sensing and signalling mechanisms I (chair: Martijn van Zanten)

09:00 AM **Harold van den Burg** (University of Amsterdam, NL)

SUMO conjugation is essential for plant growth at increased ambient temperature independent of the E3 ligase SIZ1

09:30 AM **Salome Prat** (Spanish National Biotechnology Centre, ESP)

Changes in ELF3 protein stability elicit response to warm temperature by regulating PIF4 expression and transcriptional activity in Arabidopsis

10:00 AM **Carla Ibanez** (Martin Luther University Halle-Wittenberg, GER)

Hormonal crosstalk in PIF4-dependent thermomorphogenesis signaling

short talk 10:30 AM **Ive de Smet** (VIB Gent, BEL)

Phosphoproteomics-driven insight in temperature-triggered signalling and response

10:45 AM **Coffee break**

Light and temperature crosstalk I (chair: Martijn van Zanten)

11:15 AM **Karen Halliday** (Edinburgh University, UK)

How plants integrate light and temperature signals

short talk 11:45 AM **Martin Balcerowicz** (The Sainsbury Laboratory, Cambridge, UK)

Shedding light on the interconnections between light and temperature signalling pathways

short talk 12:00 PM **Vinicius Galvao** (University of Lausanne, SUI)

Control of developmental transitions by light quality in Arabidopsis thaliana

short talk 12:15 PM **Mathias Zeidler** (Giessen University, GER)

Interaction of light and temperature in seed germination

01:00 PM **Lunch**

Temperature and metabolism (chair: Kerry Franklin)

02:00 PM **Dirk Hinch** (Max Planck Institute, Golm, GER)

Going back to normal: transcriptional and metabolic regulation during deacclimation in cold acclimated Arabidopsis

02:30 PM **Eva Theresa Pyl** (Max Planck Institute, Golm, GER)

Temperature compensation of starch degradation is crucial for growth in source-limited conditions

03:00 PM **Mark van Hoogdalem** (Wageningen University, NL)
Light and Temperature control of carbohydrate metabolism and its link to plant cell elongation

03:45 PM **Coffee break**

Epigenetics and chromatin control of temperature responses (chair: Kerry Franklin)

04:15 PM **Maximilian Press** (University of Washington, USA)
Arabidopsis thermal responses: separating ELF3 and PIF4-dependent pathways and interrogating chromatin

04:45 PM **Martijn van Zanten** (Utrecht University, NL)
Thermospecific growth regulation by epigenetic modifiers

05:15 PM **Magdalena Weingartner** (Hamburg University, GER)
Mutants with impaired genome stability show altered temperature-dependent gene expression and growth response

05:45 PM **Isabel Bäurle** (Potsdam University, GER)
Molecular analysis of plant heat stress memory

07:00 PM **BBQ on campus**

Saturday, August 27

Temperature sensing and signalling mechanisms II (chair: Marcel Quint)

09:00 AM **Phil Wigge** (The Sainsbury Laboratory, Cambridge, UK)
Temperature sensing in plants

09:30 AM **Vinod Kumar** (John Innes Centre, UK)
Conflict of Interests: How do plants integrate environmental signals?

short talk 10:00 AM **Lennard van der Woude** (Utrecht University, NL)
Unraveling high temperature acclimation using a novel growth regulator

short talk 10:15 AM **Carolyn Delker** (Martin Luther University Halle-Wittenberg, GER)
Thermo-responsive elongation growth: root = shoot?

10:30 AM **Coffee break**

Temperature-mediated flowering (chair: Marcel Quint)

11:00 AM **Richard Immink** (Wageningen University, NL)
Epigenetic control of ambient temperature dependent alternative splicing in Arabidopsis

11:30 AM **Takato Imaizumi** (University of Washington, USA)
Daily temperature changes modulate photoperiodic flowering

12:00 PM **Marcel Proveniers** (Utrecht University, NL)
To flower or not to flower, a temperature-sensitive decision

12:30 PM **Suresh Balasubramanian** (Monash University, AUS)
Making sense out of nonsense: Thermal induction of flowering

01:00 PM **Lunch**

Temperature and Development (chair: Richard Immink)

- 02:00 PM **Sreeramaiah Gangappa** (John Innes Centre, UK)
Investigating thermosensory mechanisms coordinating growth and immunity
- 02:30 PM **Stefan Hoth** (Hamburg University, GER)
Mechanisms of systemic temperature-dependent autoimmunity
- 03:00 PM **Chung-Mo Park** (Seoul National University, KR)
Thermal adaptation of autotrophic development in Arabidopsis
- 03:30 PM **Nico Dissmeyer** (Leibniz Institute of Plant Biochemistry Halle, GER)
Molecular thermomorphogenesis as tool in genetics and biotech?
- short talk 04:00 PM **Catherine Gardener** (John Innes Centre, UK)
RESILIENT1 – a novel thermosensor at the interface of growth and defence?
- short talk 04:15 PM **Nikita Sajeev** (Utrecht University, NL)
Understanding acclimation responses of the combined stress: High ambient temperature and moderate drought in Arabidopsis
- 04:30 PM **Coffee break**

Light and temperature crosstalk II (chair: Richard Immink)

- short talk 05:00 PM **Umidjon Shapulatov** (Wageningen University, NL)
Light/Temperature cycles control of gene expression depends on PHYTOCHROME B
- short talk 05:15 PM **Anne-Sophie Fiorucci** (University of Lausanne, SUI)
Interplay between shade & wounding, two environmental cues with opposite effects on plant growth
- 05:30 PM **Kerry Franklin** (University of Bristol, UK)
UV-B-regulation of plant thermomorphogenesis
- 07:30 PM **Dinner downtown Halle**
Hallesches Brauhaus, Große Nikolaistr. 2, 06108 Halle (Saale)