



4th Annual Consortium Meeting  
April 22-24, 2015  
Weihenstephan

**VENUE: Hans Eisenmann-Zentrum, Liesel-Beckmann-Straße 2, D-85354 Freising**

## **PROGRAM**

### **Wednesday, April 22: Welcome, Integrative Projects, WP1**

- 14.00 - 14.05 Christian Jung: Welcome address, Coordinator
- 14.05 - 14.10 Claus Schwechheimer: Welcome address, Host
- 14.10 - 14.15 Patricia Schmitz-Möller (DFG): Welcome address DFG
- 14.15 - 15.15 PP1530 Coordination project and plenary discussion (Martina Blümel/Christian Jung)
- 15:15 - 15.50 Coffee break
- 15.50 - 16.20 Integrative project PP-6, Phase 1, 2: Central data analysis platform for the SPP1530 consortium (Ivo Grosse)

### **Work Package 1: Gene expression networks and signaling pathways, Chair: Christian Jung**

- 16.20 - 16.40 PP-25, Phase 2: The function of cytokinin in regulating flowering time (Isabel Bartrina, PI: Thomas Schmölling)
- 16.40 - 17.00 PP-12, Phase 1,2: Temperature-dependent control of flowering by the gibberellin pathway and interactions between DELLA proteins and APETALA1/VRN1 MADS-box factors (Thomas Regnault, PI: Claus Schwechheimer)
- 17.00 - 17.20 PP-21, Phase 2: Metabolite regulation of cryptochrome activity and flowering time (Alfred Batschauer)
- 17.20 - 18.00 Coffee break
- 18.00 - 18.20 PP-11, Phase 1,2: Development and implementation of advanced methods for the identification of barley flowering time genes using next generation sequencing (Artem Pankin, PI: Maria von Korff/Korbinian Schneeberger)
- 18.20 - 18.40 PP-14, Phase 1,2: The function of an autonomous pathway component in flowering time control in Arabidopsis and barley (Dorothee Staiger)
- 19:30 - open end Joint Dinner in Restaurant "Weihenstephaner Bräustüberl".  
**Please be prepared to pay for food and drinks yourself**



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### **Thursday, April 23, 2015**

#### **Work Package 2: Control of flowering time in perennials, Chair: Maria von Korff**

- 9.00 - 9.20 PP-1, Phase 1,2: Characterization of genes that contribute to the perennial flowering of *Arabis alpina* (Maria Albani)
- 9.20 - 9.40 PP-2, Phase 1,2: Mechanistic analysis of the transition from juvenility to maturity in perennial *Arabis alpina* and comparison with *Brassica* crop species (tba, PI: George Coupland)
- 9.40 - 10.00 PP-15, Phase 1,2: Determination of the relationship between allelic constitution and the flowering time phenotype in grapevine (Nadia Kamal, PI: Reinhard Töpfer, Bernd Weisshaar, Detlef Weigel)
- 10.00 - 10.20 PP-17, Phase 1: Unraveling a mechanism for floral transition control in annual, biennial and perennial *Beta* species (Conny Tränkner)
- 10.20 - 11.00 Coffee break

#### **Work Package 3: Integration of endogenous and environmental factors, Chair: Dorothee Staiger**

- 11.00 - 11.20 PP-10, Phase 1,2: Regulation of flowering by trehalose-6-phosphate signaling (Vanessa Wahl, PI: Markus Schmid/Vanessa Wahl)
- 11.20 - 11.40 PP-23, Phase 2: StPCP1: an IDD transcription factor involved in sugar-induced flowering and tuberization in *Solanum tuberosum* (Christina Kühn, PI: Vanessa Wahl/Christina Kühn)

#### **Work Package 5: Genetic variation for FTi genes and application for crop improvement, Chair: Klaus Pillen**

- 11.40 - 12.00 PP-8, Phase 1: Genomic dissection of floral transition in *Brassica napus* towards crop improvement by life cycle adaptation and hybrid yield increase (Nazgol Emrani, PI: Christian Jung)
- 12.00 - 12.20 PP-20, Phase 2: Genetic and molecular analysis of epistatic interactions in flowering time pathways identified in a barley multi-parent advanced generation intercross (MAGIC) population (tba, PI: Agim Ballvora/Jens Leon)
- 12.20 - 13.40 Lunch break



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### **Work Package 3: Integration of endogenous and environmental factors**

13.40 - 14.00 PP-26, Phase 2: Quantitative effects of vernalization requirement, day length and temperature on flowering time of oilseed rape (Christian Möllers)

### **Work Package 5 (continued): Genetic variation for FTi genes and application for crop improvement, Chair: Klaus Pillen**

14.00 - 14.20 PP-13, Phase 1,2: Flowering time, miRNA regulation and climatic adaptation - variation in *Brassica napus* idiotypes under drought stress (Sarah Schiessl, PI: Rod Snowdon)

14.20 - 14.40 PP-22, Phase 2: Unravelling a genetic network for bolting time regulation in Beta species to breed winter sugar beet (Nadine Dally, PI: Christian Jung)

14.40 - 15.00 Associated DFG-ANR project: AlternApp - Genetic mechanisms underlying alternate cropping in apple (*Malus x domestica*) (Viola Hanke)

15.00 - 15.20 PP-24, Phase 2: Evolutionary transcriptomics of floral transition (PI: Marcel Quint/Ivo Große/Bernd Weisshaar)

15.20 – 15.30 Sarah Schiessl: Flowering Time sonnets (*in German*)

15.30 - 16.10 Coffee break

16.10 - 18.00 Poster session

18.00 - 18.45 ***Invited Evening Lecture: Karl-Heinz Kogel (JLU Giessen, Institute for Phytopathology and Zoology): Host-Induced Gene Silencing: Mechanisms and Agronomic Application***

18.45-open end joint dinner/snacks



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**Friday, April 24, 2015**

**Work Package 4: Pleiotropic effects of FTi genes and impact on adaptation and speciation,  
Chair: Ivo Grosse**

- 9.00 - 9.20 PP-9, Phase 1,2: Allele mining in wild barley: finding new exotic genes which control flowering time in the barley nested association mapping (NAM) population HEB-25 (Klaus Pillen/Jochen Kumlehn)
- 9.20 - 9.40 PP-7, Phase 1: A final step of speciation? Changes in flowering time and their genetic and ecological background within three closely related diploid *Hordeum* species from Patagonia (Katja Herrmann, PI: Frank Blattner)
- 9.40 - 10.30 Coffee break
- 10.30 - 10.50 PP-19, Phase 1: Genetic dissection of flowering time in wheat by high-density genome-wide association mapping (Tobias Würschum)
- 10.50 - 11.10 PP-17, Phase 1: Analysis of genetic variation for flowering time in wild barley grown under different environmental conditions (Maria von Korff, PI: Maria von Korff/Benjamin Kilian)
- 11.10 - 11.20 Closing remarks (Christian Jung)
- 11.20 **End of 4<sup>th</sup> Annual Consortium Meeting**