



## PP1530 6<sup>th</sup> Annual Status Meeting

Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung,  
06466 Gatersleben

### PROGRAM

**Tuesday, June 20<sup>th</sup>, 2017:**

#### **Welcome, Integrative Projects, WP1**

- 14.00 - 14.10 Christian Jung: Welcome address, Coordinator
- 14.10 - 14.20 Andreas Graner: Welcome address, Managing Director IPK
- 14.20 - 14.35 PP1530 Coordinator project (Christian Jung/Nadine Höft)
- 14.35 - 15.00 Integrative project PP-6, Phase 1, 2: Central data analysis platform for the SPP1530 consortium (Claus Weinholdt, PI: Ivo Grosse)
- 15.00- 15.35 PP-11, Phase 1, 2: Development and implementation of advanced methods for the identification of barley flowering time genes using next generation sequencing (Maria von Korff (PI))
- 15.35 - 16.15 Coffee break (40min)

#### **Work Package 1: Gene expression networks and signaling pathways, Chair: Klaus Pillen**

- 16.15 - 16.40 PP-12, Phase 1, 2: Flowering time control by gibberellin-regulated processes in *Arabidopsis thaliana* (Claus Schwechheimer (PI))
- 16.40 - 17.05 PP-14, Phase 1, 2: The function of an autonomous pathway component in flowering time control in *Arabidopsis* and barley (Alexander Steffen, PI: Dorothee Staiger)
- 17.05 - 17.30 PP-21, Phase 2: Metabolite control of cryptochrome photoreceptors and flowering time (Maïke Eckel, PI: Alfred Batschauer)

**18:30 - open end: Joint Dinner at Brauhaus Lüdde, Blasiistraße 14, D-06484 Quedlinburg**



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### Wednesday, June 21<sup>st</sup>, 2017:

9.00 - 9.25 PP-25, Phase 2: The function of cytokinin in regulating flowering time (Isabel Bartrina, PI: Thomas Schmülling – WP1)

### **Work Package 2: Flowering Time in Perennials, Chair: Dorothee Staiger**

9.25 - 9.50 PP-1, Phase 1, 2: Characterization of genes that contribute to the perennial flowering of *Arabis alpina* (Ana Lazaro-Somoza, PI: Maria Albani)

9.50 - 10.15 PP-2, Phase 1, 2: Integration of age and vernalization pathways in the Brassicaceae (George Coupland (PI))

10.15 - 10.40 PP-15, Phase 1, 2: Determination of the relationship between allelic constitution and the flowering time phenotype in grapevine (Boas Pucker, PI: Reinhard Töpfer, Bernd Weisshaar, Detlef Weigel)

10.40 - 11.10 Coffee break (30min)

### **Work Package 3: Integration of endogenous and environmental factors, Chair: Ivo Grosse**

11.10 - 11.35 PP-10, Phase 1, 2: Regulation of flowering by trehalose-6-phosphate signaling (PI: Markus Schmid, Vanessa Wahl)

11.35 - 12.00 PP-23, Phase 2: StPCP1: an IDD transcription factor involved in sugar-induced flowering and tuberization in *Solanum tuberosum* (Maria Rother, PI: Vanessa Wahl/Christina Kühn)

12.00 - 12.25 Associated project: Timing of development - The role of SRR1 at the intersection between circadian timekeeping and flowering time control (Mikael Johansson (PI))

12.30 - 14.00 Lunch break at Casino, IPK (1h30min)

### **Work Package 4: Pleiotropic effects of FTi genes and impact on adaptation and speciation, Chair: Christian Jung**

14.00 - 14.25 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 (Götz Hensel/Mathias Wiegmann, PI: Klaus Pillen/Jochen Kumlehn)

14.25 - 14.50 PP-13, Phase 1, 2: Deep-sequencing unravels flowering time gene variation in vegetable species *Brassica rapa* and *Brassica oleracea* (Sarah Schießl, PI: Rod Snowdon)

14.50 - 15.15 PP-24, Phase 2: Evolutionary transcriptomics of floral transition (Martin Porsch, PI: Marcel Quint/Ivo Grosse/Bernd Weisshaar)

15.15 - 15.45 Coffee break (30min)



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**Work Package 5: Genetic variation for FTi genes and application for crop improvement,  
Chair: Maria von Korff**

- 15.45 - 16.10 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 (Nazanin Pesaran Afsharyan, PI: Agim Ballvora/Jens Léon)
- 16.10 - 16.35 PP-20, Phase 2: Genetic and molecular analysis of flowering time pathways in wheat (Salma Benaouda, PI: Agim Ballvora/Jens Léon)
- 16.35 - 17.00 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)
- 17.00 - 17.25 PP-26, Phase 2: Quantitative effects of vernalization requirement, day length and temperature on flowering time of oilseed rape (Eva Heinrich, PI: Christian Möllers)
- 17.25 - 17.40 **Closing Remarks, Announcement of Final Symposium in Kiel** (Christian Jung)
- 17.40 **End of 6<sup>th</sup> Annual Status Meeting**
- 18.00 - 19.00 **Guided tour through IPK**