

Meeting Venue:

**Christian-Albrechts-University,
Verfügungsgebäude Leibnizstrasse 1, 2nd floor
24118 Kiel**

Wednesday, February 22nd, 2012, Afternoon Session: Welcome, Integrative Projects

Chair: Martina Blümel

15.00-15.10 Christian Jung
Welcome address, Coordinator

15.10-15.20 Karin Schwarz
Welcome address, Dean of the Faculty of Agricultural and Nutritional Sciences, CAU Kiel

15.20-15.50 George Coupland
Keynote lecture: *Recent developments in flowering time regulation*

15.50-16.30 Coffee break

16.30-16.50 Martina Blümel
Presentation Integrative Project Z

16.50-17.10 Ivo Grosse
Bioinformatics support for RNA-seq experiments

17:10 -18.00 Plenary Discussion 1
Interactive Flowering Gene Network

18.00 End of Plenary discussion

18:10 - 18.40 Internal discussion (RNAseq projects, chairs: Ivo Grosse, Wolf Zimmermann)
Problems related to RNA-seq experiments (only participation of projects with planned RNAseq experiments/analysis required but open to all participants)

19:30 – open end: Joint Dinner in Restaurant “Galileo”

Thursday, February 23rd, 2012, Morning Session: Work Packages 1 & 2

8.30- 8.40 Patricia Schmitz-Möller
DFG Technical Announcements, Welcome

8.40- 9.10 Andreas Müller
Keynote lecture: *Genetic control of bolting in beet*

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

9.10 - 9.30 Eva Willing
Identification of flowering time genes in barley using next generation sequencing of bulked segregants (Project Schneeberger/von Korff)

9.30 - 9.50 Michael Christie
Comparative analysis of miRNA networks regulating flowering (Project Weigel)

9.50 - 10.10 Selahattin Danisman
Unravelling the role of a novel autonomous pathway component in FTi control by small RNA profiling and cross-species comparison (Project Staiger)

10.10 - 10.30 Jathish Ponnu
Regulation of flowering time by Trehalose-6-Phosphate signaling (Project Schmid)

10.30- 11.00 Coffee break

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

11.00-11.20 Sara Bergonzi
Mechanistic analysis of the transition from juvenility to maturity in perennial *Arabis alpina* and comparison with *Brassica* crop species (Project Coupland)

11.20-11.40 Conny Tränkner
Unraveling a mechanism for floral transition control in annual, biennial and perennial *Beta* species

11:40-12.00 Maria Albani
Identification and molecular characterization of genes involved in the perennial flowering of *Arabis alpina*

12:00-12.20 Hans Hönicka
Development of an early flowering system for poplar breeding and biosafety research (Project Fladung)

12.30-13.30 Lunch

Thursday, February 23rd, 2012, Afternoon Session: Work Packages 3 & 4

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

13.30-13.50 Usman Anwer

Directing floral timing through genetic variation in the plant circadian clock (Project Davis)

13:50-14.10 René Richter

Mechanisms of flowering time control by the novel flowering time genes GNC and GNL (Project Schwechheimer)

14.10-14.30 Shirin Glander

Is the immune system required to adapt to flowering time change? (Project de Meaux)

14.30-14.50 Tobias Würschum

Genetic dissection of flowering time in wheat by high-density genome-wide association mapping

14.50-15.30: Coffee break

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

15.30-15.50 Andreas Maurer

Allele mining in wild barley: finding new exotic genes which control flowering time in the barley nested association mapping (NAM) population HEB-25 (Project Pillen)

15.50-16.10 Artem Pankin

Analysis of genetic variation for flowering time in wild barley grown under different environmental conditions (Project von Korff/ Kilian)

16.10-16.30 Katja Herrmann

A final step of speciation? Changes in flowering time and their genetic and ecological background within three closely related diploid *Hordeum* species from Patagonia (Project Blattner)

17:00 Transfer to MS Schilksee

17:30-19:30 2 h Kiel fjord round trip with "MS Schilksee"

20:00 - open end Joint Dinner in Restaurant "Längengrad"

Friday, February 24th, 2012, Morning Session: Work Package 5 & Plenary Discussions

8.30 - 9.00 **Korbinian Schneeberger**

Keynote lecture: *Genomic approaches for gene identification*

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

9.00-9.20 Carlos Molina

Genomic dissection of floral transition in *Brassica napus* towards crop improvement by life cycle adaptation and hybrid yield increase (Project Jung)

9.20-9.40: Sarah Schießl

Flowering time, development and yield in oilseed rape (*Brassica napus*): Sequence diversity in regulatory genes (Rod Snowdon)

9.40-10.00: Iris Fechter

Analysis of the genetic variation of flowering time genes and their control network in grapevine (Project Töpfer/Weisshaar)

10.00-10.30: Coffee break

10.30-12.00: Plenary discussion part 1,

Topics: Joint Experiments, Joint Data Evaluation (RNAseq etc.)

12.00-13:00: Lunch

13.00-14.00: Plenary discussion part 2,

Topics: Communication, Services by Coordinator

14:00-14:10 Christian Jung

Closing remarks, Farewell

14.30-15.30: Transfer service to Hamburg Airport