



# Programme

## 4th Annual Meeting 29 February - 2 March 2016

Evolutionary plant solutions to ecological challenges:  
Molecular mechanisms underlying adaptive traits in the *Brassicaceae s.l.*



### Monday 29 February 2016

**1.00 pm** **Registration Foyer „Haus am Dom“** Please mount **posters** in lecture room before dinner !

*Chair: Ute Krämer*

**2.00 pm** **Opening Remarks (Ute Krämer)**

2.15 pm Project 7 **Juliette de Meaux**  
„cis-regulatory evolution in the *Arabidopsis* genus“

2.45 pm Project 9 **Ales Pecinka**  
„Evolution of heat responsiveness among *Brassicaceae* COPIA elements“

**3.15 am** **Coffee Break**

3.45 pm Project 11 **Karl Schmid**  
„Current state of the population genomic analysis of endemic *Arabidopsis* species and the *Arabidopsis* genus sequencing project“

4.15 pm Project 8 **Polina Novikova**  
„History of *Arabidopsis suesica* origin“

4.45 pm Project 2 **Veronica Preite**  
„Adaptation of *Arabidopsis halleri* to heavy metals“

5.05 pm Project 8 **Magnus Nordborg**  
„Natural Variation in *Arabidopsis*“

**6.00 pm** **Dinner**

**7.30 pm** **Poster Session**

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29



## Tuesday 1 March 2016

### Chair: Markus Koch

- 9.00 am Project 2 **Stephan Clemens**  
„Molecular analysis of metal hyperaccumulation and hypertolerance candidate genes in *Arabidopsis halleri*“
- 9.20 am Project 2 **Clemens Stolpe**  
„Better off alone - potentiation of heavy metal mixture is toxic to a generalist aphid“
- 9.40 am Project 13 **Anubhav Mohiley**  
„The role of biotic interactions in determining metal hyperaccumulation“

### 10.00 am Coffee Break

- 10.30 am Project 8 **Detlef Weigel**  
„Population genomics of *Capsella*“
- 11.00 am Project 18 **Natalia Wozniak**  
„Adaptation to selfing in the genus *Capsella*“
- 11.40 am Project 8 **Christina Wesse**  
„Genetic adaptation of *Capsella bursa-pastoris* in recently colonized areas“

### 12.15 pm Lunch

### 1.15 pm Steering committee meeting

### Chair: George Coupland

- 2.15 pm Project 4 **Marcus Koch**  
„Integrating progress in evolutionary *Brassicaceae* research into a knowledge database system - highlights and snapshots“
- 2.45 pm Project 16 **Lúa López**  
„The evolutionary history of a cold-adapted genus. Recent progress and future perspectives“
- 3.15 pm Project 19 **Angelika Mustroph**  
„Flooding tolerance mechanisms in selected *Brassicaceae* species“

### 3.45 pm Coffee Break

- 4.15 pm Project 10 **Michal Gruntman**  
„Can plants adapt to climate change? A multi-species approach“
- 4.35 pm Project 10 **Daniel Gomez-Sanchez**  
„*Biscutella didyma* adaptation to rainfall“

### 5.00 pm General Assembly

### 6.00 pm Dinner

### 7.30 pm Social Programme: Museum of Natural History „Gut Aufgehoben“ (registration required)



## Wednesday 2 March 2016

**Chair: Juliette de Meaux**

9.00 am Project 15 **Urte Schlüter**

„C3-C4 intermediate photosynthesis in the *Brassicaceae*“

9.30 am Project 14 **Bjorn Pieper**

„The genetic basis for leaf shape diversity: exploiting the Arabidopsis relative *Cardamine hirsuta*“

**10.00 am Coffee Break**

10.30 am Project 17 **William Hughes**

„Pleiotropy in flowering and seed traits in *Arabis alpina*“

11.00 am Project 3 **Jörg Wunder**

„Flowering time variation in natural populations of *Arabis alpina* in Europe“

11.30 am Project 2 **Ute Krämer**

„Evolutionary solutions to ecological challenges in the Brassicaceae: The example of metal hyperaccumulation“

**12.00 pm Lunch**