

# International Symposium of the CRC 973



**“Bridging Ecology and Molecular Biology: Organismic Responses to Recurring Stress”**  
**February 18 – 20, 2015**



## Wednesday, February, 18, 2015

### Welcome

- 17:00 **Monika Hilker**  
*An introduction to CRC 973:  
 Why and how to prepare for stress?*
- 17:30 **Tina Romeis**  
*CDPK function in plant stress  
 signalling and priming*
- 18:00 **Icebreaker**

### From Plant Functional Genomics to Phytohormone Signalling

- 14:20 **Gregg Howe**  
*Regulatory logic in jasmonate-triggered plant immunity*
- 15:00 **Ivo Feussner**  
*Combining metabolomics with transcriptomics to analyze jasmonate controlled metabolic responses in wounded Arabidopsis leaves*
- 15:40 **Mastoureh Sedaghatmehr & Sieke Schaepe**  
 CRC 973: “Cold and hot topics”

- 11:45 **Tadashi Fukami**  
*Microbial community assembly in floral nectar and plant-pollinator mutualism*
- 12:25 **Elisabeth Eilers & Vivien Firtzlaff**  
 CRC 973: “Priming of Plant Defence against Vegetarians”

### Lunch

### From Fungi to Bacteria

- 14:00 **Matthias Rillig**  
*Priming effects in arbuscular mycorrhizal and other soil fungi*
- 14:30 **Ulrich Steiner**  
*Aging in Escherichia coli, it is not all about age*

## Thursday, February, 19, 2015

### From Molecular Biology to Ecology

- 09:00 **Joy Bergelson**  
*The evolutionary response of Arabidopsis thaliana to a diffusely interacting pathogen*
- 09:40 **Ulla Bonas**  
*How plant pathogenic bacteria manipulate the plant*
- 10:20 **Martin Heil**  
*Wound recognition and immunity across the tree of life: recognition of the non-self or the damaged-self?*

### Coffee Break

### From Plant Epigenetics to Evolutionary Functional Genomics

- 11:15 **Isabel Bäurle**  
*Thermoprimering as a model case for cellular memory in plants*
- 11:45 **Ales Pecinka**  
*The short, long and evolutionary effects of melting chromatin*
- 12:25 **Ute Krämer**  
*Environmental adaptation in Arabidopsis halleri*

### Lunch

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### Coffee Break

### Poster Session

## Friday, February, 20, 2015

### From Plants to Fungi

- 09:00 **Anke Steppuhn**  
*Priming of plant defence against insect herbivores by their egg deposition*
- 09:30 **Richard Karban**  
*The language of communication and its effectiveness against herbivores in sagebrush*
- 10:10 **Consuelo De Moraes**  
*Chemical signalling in interactions among plants, insects, and other organisms*
- 11:05 **Corné Pieterse**  
*Modulation of host immunity by the root microbiome*

### Coffee Break

- 15:10 **François Buscot**  
*TrophinOak - an experimental platform to unravel how trees and their multitrophic associates cope with stress*

### Coffee Break

- 16:05 **Regine Hengge**  
*Bacterial biofilms as multicellular communities shaped by stress responses*
- 14:30 **Jens Rolff**  
*Bacterial stress responses against natural and synthetic antimicrobials*
- 17:15 **Diana Andrade-Linares**  
 CRC 973: “The Microbial Players”
- 17:35 **Bernd Müller-Röber & Thomas Schmölling**  
 Concluding Remarks

