



## 3rd Summer Academy of the RIGeL section CBB Kloster Kostenz 24 - 26 September '12

The Graduate Research Academy *RNA Biology* presents the 3rd Summer Academy of the RIGeL section *Cellular Biochemistry and Biophysics* from September 24 to 26, 2012. The Summer Academy is a scientific get-together in the friendly environment of Kloster Kostenz. The event helps to establish personal and scientific contacts within the CBB network and provides a chance to exchange data and ideas. You will get an overview of the groups being part of the CBB section, the methods they are using and possibilities for collaborations.

### MONDAY, SEPTEMBER 24

- 9.00 Arrival & Registration
- 9.30 Welcome & Opening Remarks  
Session I - Chair: Philipp Merkl
- 9.45-10.10 **Karina Zillner**  
*Single-molecule analysis of DNA methylation patterns using Epi-Combing*
- 10.10-10.35 **Sarah Diermeier**  
*Epigenomic characterization of the structure-function relation in chromatin*
- 10.35-11.00 **Sandra Schmidhofer**  
*Active DNA demethylation in human post-mitotic cells*
- 11.00-11.15 Coffee break
- 11.15-11.40 **Martin Antosch**  
*3XHMG-box proteins: A plant specific protein family that binds to mitotic and meiotic chromosomes*
- 11.40-12.05 **Philipp Girke**  
*Asymmetric segregation of nucleolar proteins in budding yeast mitosis*
- 12.05-13.30 Lunch break  
Session II - Chair: Sandra Schmidhofer
- 13.30-13.55 **Philipp Merkl**  
*Analysis of Ydr026c/Nsi1 in yeast RNA polymerase I transcription termination*

- 13.55-14.20 **Julius Dürr**  
*Regulation of transcription elongation*
- 14.20-14.50 Coffee break
- 14.50-15.15 **Brian Bitsch Sorensen**  
*The interplay between transcript elongation and mRNP biogenesis in Arabidopsis thaliana*
- 15.15-15.40 **Philipp Alter**  
*Flowering time regulation in maize*
- 15.40-16.05 **Nicholas Strieder**  
*Analysis of small RNA-chromatin interactions in human somatic cells*
- 18.30-19.30 Dinner
- from 20.30 Get together

### TUESDAY, SEPTEMBER 25

- from 7.30 Breakfast  
Session III - Chair: Sophia Schabel
- 9.30-9.55 **Judith Hauptmann**  
*Analysis of argonaute cleavage activity*
- 9.55-10.20 **Uli Ohmayer**  
*Comparative analyses on yeast preribosomes to identify and characterize major ribosomal protein assembly events*
- 10.20-10.45 **Kristina Lobenhofer**  
*NMR based metabolomics in early detection of Type 2 Diabetes*

- 10.45-11.00 Coffee break
- Session IV - Chair: Lydia Kreuter
- 11.00-11.25 **Malte Andrasch**  
*Protein-protein interaction studies on Afadin 6 and Zonula Occludens 1*
- 11.25-11.50 **Florian Busch**  
*Design of a light-inducible protein-protein interaction*
- 11.50-12.15 **David Peterhoff**  
*Dimerization determines substrate specificity of a bacterial prenyltransferase*
- 12.15-13.30 Lunch break
- 13.30-13.55 **Gindner Antonia**  
*TrmBL1, an important transcription factor in the sugar metabolism of the archaeon Pyrococcus furiosus*
- 13.55-14.20 **Thomas Heimerl**  
*Eukaryotic like membrane dynamics in prokaryotic cells of Ignicoccus*
- 14.20-14.50 Coffee break
- 14.50-16.00 CBB PhD student meeting
- 17.30-18.30 **Evening Lecture:**  
**Prof. Dr. Ursula Klingmüller**
- from 18.30 Poster Session with food & drinks
- from 20.30 Get together

- from 7.30 Breakfast
- 9.30-10.00 Concluding remarks - poster prize
- 10.00-16.00 **Key competence seminar „Teambuilding“**  
Trainer: Jochen Haase  
(0,3 RIGeL-CP; career supporting event)

Organisation	CBB Organising Team Lydia Kreuter Sophia Schabel Sandra Schmidhofer	Coordination Graduate Research Academy <i>RNA Biology</i> Susanne Oswald
Funding	Graduate Research Academy <i>RNA Biology</i> SFB 960	

