



## 4th Summer Academy of the RIGeL section CBB Tagungsstätte Sulzbürg 23 - 25 September

The Graduate Research Academy RNA Biology presents the 4th Summer Academy of the RIGeL section Cellular Biochemistry and Biophysics from September 23 to 25, 2013. The Summer Academy is a scientific get-together in the friendly environment of the Tagungsstätte Sulzbürg. 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 23

08.00	Departure
09.00-15.00	Team event, Ingolstadt
15.00-16.00	Shuttle bus to Sulzbürg
16.00-16.15	Arrival and registration
16.15-16.30	Welcome and opening remarks
16.30-17.00	Introduction of orga-teams

#### Session I - Chair: Alexander Probst

17.00-17.20	<b>Veronika Kropf</b> - <i>Design of novel Ras state 1(T) inhibitors</i>
17.20-17.40	<b>Leonhard Jakob</b> - <i>Structural and functional characterization of the Dicer-Loquacious complex</i>
17.40-18.00	<b>Jennifer Flechsler</b> - <i>Can we fix it? 3-dimensional localization of the CO<sub>2</sub> fixation pathway in <i>Ignicoccus</i></i>

18.00-19.15 Dinner

19.15-20.00 Evening lecture: **Dr. Jan Medenbach**

20.30 Get together

09.40-10.00 **Daniel Völler** - *Strong reduction of Ago2 expression in melanoma and cellular consequences*

10.00-10.20 **Marc Urban** - *Small RNA pathways in female gamete specification in *Arabidopsis thaliana**

10.20-10.35 Coffee break

10.35-11.35 Poster session  
Presenting authors: Julia Wimmer, Julia Minderjahn, Sam Ringle

#### Session III - Chair: Sophia Pinz

11.35-11.55 **Sandra Schmidhofer** - *Active DNA demethylation in human post-mitotic cells*

11.55-12.15 **Thomas Groß** - *Characterization of human SNF2 like ATPase LSH*

12.15-12.35 **Virginia Babl** - *Chromatin dynamics at the 35S ribosomal RNA gene locus upon transition to stationary phase*

12.35-13.35 Lunch

#### Session IV - Chair: Sandra Schmidhofer

13.35-13.55 **Ludwig Wankerl** - *Functional characterization of the tumor suppressor calmodulin binding transcription factor 1 (CAMTA1)*

13.55-14.15 **Sophia Pinz** - *Effect of acetylation/deacetylation on transcriptional regulation by STAT5*

14.15-14.35 **Samy Unser** - *Epigenetic reprogramming during STAT5-induced transformation of B-cells*

### TUESDAY, SEPTEMBER 24

08.00-09.00 Breakfast

#### Session II - Chair: Corinna Ott

09.00-09.20 **Simone Harlander** - *Regulation of human small RNA-guided gene silencing*

09.20-09.40 **Daniele Hasler** - *The ambiguous fate of a tRNA*

14.35-14.50	Coffee break	10.00-10.20	<b>Benedikt Müller</b> - <i>Amino acid supply of sink tissues in Arabidopsis</i>
14.50-15.50	Poster session Presenting authors: Corinna Ott, Maximilian Plach, Mona Linde	10.20-10.40	<b>Frank Vogler</b> - <i>The role of ARO proteins in cell polarity establishment</i>
	<b>Session V</b> - Chair: Julia Wimmer	10.40-11.00	Coffee break
15.50-16.10	<b>Katharina Hannig</b> - <i>Net1, a multi-functional organiser of the nucleolus in budding yeast</i>	11.00-12.00	Poster session Presenting authors: Ingrid Araya, Christian Dobner, Maria Enghart
16.10-16.30	<b>Lena Dietz</b> - <i>Association of RNA-polymerase II transcript elongation factors with other RNA-polymerases in A. thaliana</i>	12.00-13.00	Lunch
16.30-16.50	<b>Sebastian Höckner</b> - <i>A minimal in vivo degron for proteolysis mediated by the ubiquitin ligase APC/C-Cdh1</i>	13.00-13.40	Poster session Presenting authors: Astrid Fastner, Alexander Pfab
16.50-17.00	Break		<b>Session VII</b> - Chair: Daniel Völler
17.00-17.45	Evening lecture: <b>Dr. Markus Kretz</b>	13:40-14:00	<b>Johannes Hiltl</b> - <i>Limiting factors of the cell free transmission machinery</i>
18.00	BBQ and get together	14:00-14:20	<b>Jochen Hochrein</b> - <i>Classification algorithms in context of NMR based metabolomics</i>

### WEDNESDAY, SEPTEMBER 25

08.00-09.00	Breakfast	14:20-14:40	<b>Helena Zacharias</b> - <i>NMR analysis of human biofluids reveals metabolic changes related to the development of acute kidney injury following cardiac surgery</i>
09.00-09.20	CBB PhD student meeting  <b>Session VI</b> - Chair: Philipp Merkl	14:40-15:00	<b>Alexander Probst</b> - <i>A MetaOmics approach to understand sulfidic aquifers</i>
09.20-09.40	<b>Thomas Hackenberg</b> - <i>Cell surface proteins during gamete interaction in Arabidopsis</i>	15:00-15:15	Coffee break
09.40-10.00	<b>Ajay John Arputharaj</b> - <i>Role of the defensin-like protein gene family in plant reproductive isolation and disease resistance in the genus Arabidopsis</i>	15:15-16:15	Poster session Presenting authors: Rebecca Moschall, Susanne Uebler, Alexandra Holinski
		16.15-16.30	Break
		16:30-16:45	Concluding remarks - Poster/talk awards
		17.00	Departure

Organisation	CBB Organising Team Corinna Ott Alexander Probst Sophia Pinz Sandra Schmidhofer Daniel Völler	Coordination Graduate Research Academy RNA Biology Susanne Oswald  Funding Graduate Research Academy RNA Biology SFB 960
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