

RIGeL



Regensburg International
Graduate School of Life Sciences



5th
CBB
summer
school



5th Summer Academy of the RIGeL section CBB

The Graduate Research Academy *RNA Biology* presents the 5th Summer Academy of the RIGeL section *Cellular Biochemistry and Biophysics* from September 1 to 3, 2014. 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.

PROGRAM

Monday

- | | |
|---------------|---|
| 8:15 | Departure from Regensburg |
| 10:00 - 14:00 | Silberbergwerk Team Event |
| 15:30 | Arrival and registration in Kostenz |
| 16:30 | Welcome and opening remarks with coffee, tea and pretzels |
| 17:00 - 18:00 | Poster Session No. 1
(#1, 3, 7, 9, 11, 18 & 19) |
| 18:00 | Dinner |
| 19:30 | „Speedy con Science“ and Get Together |



Tuesday

from 7:30 Breakfast

9:00 - 9:30 RIGeL groups

Talk Session No. 1

Chair: Astrid Fastner

9:30 - 9:50 Stefan Dillinger
Molecular mapping of nucleolus-associated chromatin
dynamics during cellular senescence

9:55 - 10:15 Christian Dobner
Metabolic investigation of living brain tumor cells with a
perfusion setup using NMRS

10:20 - 10:40 Stefanie Daxer
Membrane proteins in the host-symbiont system
Ignicoccus hospitalis-Nanoarchaeum equitans



Coffee break

11:00 - 12:00 **Poster Session No. 2**
(#2, 4, 5, 10, 12, 14 & 16)

12:00 Lunch

Talk Session No. 2

Chair: Maria Enghart

13:30 - 14:00 MLP

5th Summer Academy of the RIGeL section CBB

14:05 - 14:25 Ingrid Araya
RNP complexes regulating higher order structure of chromatin

14:30 - 14:50 Astrid Fastner
Bidirectional amino acid transporters with a role in phloem unloading in sink tissues



Coffee break

Talk Session No. 3

Chair: Sam Ringle

15:15 - 15:35 Alexander Pfab
Transcript elongation factors in *Arabidopsis thaliana*

15:40 - 16:00 Karoline Löffel
Exploring the conformational landscape of Ras protein by high pressure NMR

16:05 - 16:25 Alexandra Holinski
Travelling back in time: Understanding an enzyme's regulation and evolution by investigating extant and ancestral representatives

17:00 - 18:00 outdoor activities

18:00 Dinner

19:30 - 20:30 Evening lecture - Cynthia Sharma
Regulatory RNAs in the pathogenic Epsilonproteobacteria, *Heliobacter pylori* and *Campylobacter jejuni*

Wednesday

from 7:30 Breakfast

Talk Session No. 4

Chair: Thomas Hackenberg

9:00 - 10:00 Morning lecture - Björn Tews
to be announced

10:05 - 10:25 Julia Minderjahn
Functional Characterization of the binding properties of
the hematopoietic transcription factor PU.1

10:30 - 10:50 Mona Linde
Identification and characterization of a HepGP-processing
enzyme in *Bacillus subtilis*



Coffee break

11:00 - 12:00 **Poster Session No. 3**
(# 6, 8, 13, 15, 17, 20 & 21)

12:00 Lunch

Talk Session No. 5

Chair: Astrid Fastner

13:30 - 13:50 Markus Landgraf
Conformation and polymerisation of the C-terminal
cytosolic domain of TRPP1 are regulated by the Ca²⁺-
concentration

5th Summer Academy of the RIGeL section CBB

13:55 - 14:15	Rebecca Moschall Sister of Sex Lethal – a novel translational repressor from Drosophila
14:20 - 14:40	Sam Ringle Characterization of Protein factors influencing the mRNA Methylome
14:45 - 15:05	Maximilian Plach Nucleophile selectivity in chorismate-utilizing enzymes is modified by three single-amino-acid substitutions
	Coffee break
15:30 - 16:00	concluding remarks poster / talk prize raffle
16:30	Departure
aprox. 18:00	Arrival in Regensburg

PRIZES

Poster

1st	75 € Regensburg Arcaden gift card
2nd	50 € Regensburg Arcaden gift card
3rd	25 € Regensburg Arcaden gift card

Talk

1st	75 € Regensburg Arcaden gift card
2nd	50 € Regensburg Arcaden gift card
3rd	25 € Regensburg Arcaden gift card

Organisation	CBB Organising Team Maria Enghart Astrid Fastner Thomas Hackenberg Corinna Ott Sophia Pinz Sam Ringle Sandra Schmidhofer
Funding	Graduate Research Academy <i>RNA Biology</i> SFB 960
Sponsoring	New England Biolabs MLP Biomol Roche Quiagen





science connects

see you at
6th
CBB Summer School
29.06. - 1.07.2015
Bistumshaus
Schloss Hirschberg