



# IRTG 1243 Customs Retreat

October 5-7, 2016

at the Söllerhaus



in the Kleinwalsertal Valley (Allgäu bordering Austria)

Our goals are to get to know each other and get to know the spectrum of research being done in our SFB. We propose an informal symposium during which we put our skills and knowledge to work, both as presenters and as an audience.

*Customs* has a double meaning both relating to cultural mores and to officially entering a foreign country. This applies well to the initiation process of starting PhD studies, coming to a new lab or completely new environment, learning new university and research/lab cultures, and crossing scientific frontiers.

The SCIENTIFIC PROGRAM will consist of a MINI-SYMPOSIUM by which all participants give a short **5 min talk** about their project, followed by discussion. Three invited PIs will give 45 min talks as part of the *1243 Fundamentals* lecture series.

**Program: October 5-7 Söllerhaus, Hirscheegg, Kleinwalser Tal**

	Wed, Oct 5	Thurs, Oct 6	Fri, Oct 7
		Breakfast 8:00	Breakfast 8:00
Morning Session	leave Munich by bus 10:00	8:50 Science Session 2 (see schedule)	9:30 Science Session 3 (see schedule)
	arrive 12:30 Butterbrezen picnic	12:30 Lunch	11:00 Meeting and feedback Café Walserblick 12:30
Afternoon Session	13:30 Infos and Icebreaker  15:00 Science Session 1 (see schedule)	Hike for all: directly to Breitachklamm via Schwarwasserbach, take bus back; <b>or</b> if weather is nice Panorama to peak directly from house (3,5 h)	Depart 14:00 (directly from Walserblick)
	Dinner 18:30	Dinner 18:30	arrive Martinsried 16:30-17:00
After Eight ...	20:00 After dinner PI talk  free time and happy hour	Pub Quiz Get-together	

Science Session Schedules

Wed, Oct 5 Science Session 1 15:00-18:30	Thurs, Oct 6 Science Session 2 9:00-12:00	Fri, Oct 7 Science Session 3 9:00-11:00
<b>15:00 Philipp Greif</b>	8:50 Raphael Mattes	9:30 Georg Leubolt
–break–	9:00 Sven Cuntz	
	9:10 Laura Bocci	9:40 Julia Kempf
16:15 Valeria Soberon	9:20 Carina Steinecke	9:55 Paul Kerbs
16:25 Anja Wilding	9:30 Carmen Richter	10:10 Ria Spallek
16:40 Carina Trummer	9:45 Helena Moreno	10:25 Sophie Janich
16:55 Carla Roberts-Toler	–break–	–break–
17:05 Christina Zeller	<b>10:10 Ines Hellmann</b>	11:00 Meeting: <ul style="list-style-type: none"> <li>• feedback: guidelines</li> <li>• networking ideas</li> <li>• elect student rep</li> <li>• info/ outlook</li> </ul>
17: 15 Daniel Richter	–mini break–	
–break–	11:15 Ilse Valtierra	
17:30 Enric Redondo Monte	11:25 Johannes Bagnoli	
17:40 Julia Niggemeyer	11:40 Lisa Amrhein	
17:50 Konrad Grosser	11:50 Mohammad Hasan	
18:00 Laura Kuhn	12:00 Sabrina Weser	
18:10 Bettina Lindl	12:30 Lunch	12:30 Lunch
18:20 Christian Allende	Afternoon outdoor activity	14:00 Bus departure 17:00 Arrive Martinsried
18:30 dinner	18:30 dinner	
<b>20:00 Heinrich Leonhardt</b>	Pub Quiz Get-together	
21:00 Après Get-together		

**Science Session 1: Wed, Oct 5, 15:00-18:30**

**15:00 Philipp Greif Introduction to Acute Myeloid Leukemia (AML)**

break

16:15 Valeria Soberon *Marc Schmidt-Supprian's lab, TUM Klinikum*  
Assessing the consequences of aberrant canonical NF- $\kappa$ B activation in the generation of malignant mouse B-cells  
Keywords: *CLL (Chronic Lymphocytic Leukemia), NF-kappaB, TCL1tg*

16:25 Anja Wilding *Philipp Greif's Lab, LMU Klinikum*  
*tba*

16:40 Carina Trummer *Heinrich Leonhardt's Lab, LMU Human Biology*  
Dissecting the impact of metabolism on epigenetic regulation in the evolution of hematopoietic neoplasms; Keywords: *IDH1/2 mutations, oncometabolite 2-hydroxyglutarate, haploinsufficiency of TET2*

16:55 Carla Roberts-Toler *Christiane Fuchs' Lab, TUM/LMU Computational Biology*  
*tba*

17:05 Christina Zeller *Irmela Jeremias' Lab, LMU Kinderspital/Helmholtz*  
Evolution of PDX AML subclones in a preclinical mouse model

17: 15 Daniel Richter *Wolfgang Enard's Lab, LMU Human Genetics/Biology*  
Cellular barcoding of AML patient-derived xenografts and highly sensitive re-genotyping of subclonal driver mutations;  
Keywords: *genetic/cellular barcoding, Pdx, AML, DNaseq, NGS, re-genotyping*

break

17:30 Enric Redondo Monte *Philipp Greif's Lab, LMU Klinikum*  
Genome Editing as a Specific Therapeutic for Neuroblastoma Tumours

17:40 Julia Niggemeyer *Klaus Metzeler's Lab, LMU Klinikum*  
Clinical and functional relevance of subclonal driver mutations in AML  
Keywords: *RNA sequencing, transcriptomics, intra-tumour heterogeneity*

17:50 Konrad Grosser *Dirk Metzler's Lab, LMU Evolutionary Biology*  
Population Genetics of Hematopoietic Neoplasms  
Keywords: *Phylogeny statistical inference modelling*

18:00 Laura Kuhn *Roland Rad's Lab, TUM Klinikum*  
Genetic evolution of pre-germinal centre B cell lymphoma

18:10 Bettina Lindl *Marion Subklewe's Lab, LMU Klinikum*  
FLT-3 targeted immunotherapy in AML: Mode of action and resistance  
Key words: *FLT-3, AML, antibody, immunotherapy and RNAseq*

*After Dinner Lecture:*

**20:00 Heinrich Leonhardt Epigenetics and Cancer**

## Science Session 2: Thurs, Oct 6, 9:00-12:00

- 8:50 Raphael Mattes *Karsten Spiekermann's Lab, LMU Klinikum*  
Elucidation of a link between cytarabine resistance and loss of KDM6A expression in patients with acute myeloid leukemia  
Keywords: *KDM6A, AML, Cytarabine, Chemotherapy, Epigenetics*
- 9:00 Sven Cuntz *Karsten Spiekermann's Lab, LMU Klinikum*  
Chalk talk, tba
- 9:10 Laura Bocci *Karsten Spiekermann's Lab, LMU Klinikum*  
The epigenetically acting agents Azacytidine and Aza-deoxycytidine  
Keywords: *AzaC, AzadC, resistance problems, quantification*
- 9:20 Carina Steinecke *Marc Schmidt-Supprian's Lab, TUM Klinikum*  
The role of A20 in B-cell lymphomagenesis and autoimmunity; Keywords: *B-cells, NF-kappaB signalling, germinal center, autoimmunity, lymphoma*
- 9:30 Carmen Richter *Florian Basserman's Lab, TUM Klinikum*  
Identification of genes involved in the pathology of multiple myeloma and Bortezomib resistance by CRISPR/Cas9 based genetic screens; Keywords: *CRISPR/Cas9 screen, multiple myeloma, ubiquitin proteasome system, proteasome inhibition*
- 9:45 Helena Moreno *Gunnar Schotta's Lab, LMU Molecular Biology/Medicine*  
Regulatory Landscape in Hematopoietic Malignancies; Keywords: regulatory landscape, relapse, H3K27ac, ChIP-seq, ATAC-seq
- break
- 10:10 Ines Hellmann Introduction to NGS Techniques and Analysis**
- mini break
- 11:15 Ilse Valtierra *Ines Hellmann's Lab, LMU Human Genetics/Biology*  
Transcriptional heterogeneity in AML: analysis of the PDX scRNA-seq data  
Keywords: *single-cell RNA-seq, somatic mutations, differential expression, subclone reconstruction, PDX lineages*
- 11:25 Johannes Bagnoli *Wolfgang Enard's Lab, LMU Human Genetics/Biology*  
Transcriptional Heterogeneity in AML - Evolution of gene expression in Patient derived Xenografts; Keywords: *single cell transcriptomics, patient derived xenograft-AML, SCRB-Seq, (sub)clonal evolution*
- 11:40 Lisa Amrhein *Christiane Fuchs' Lab, TUM/LMU Computational Biology*  
Detecting rare clones via Stochastic Profiling of mRNA-Seq Data  
Keywords: *n-cell measurements, k cell populations, inferring parameters, Loglikelihood, Markov Chain Monte Carlo*
- 11:50 Mohammad Mollah *Oliver Weigert's Lab, LMU Klinikum*  
Mutational Evolution in Follicular Lymphoma  
Keywords: *follicular lymphoma, sequencing, ddPCR*
- 12:00 Sabrina Weser *Karsten Spiekermann's Lab, LMU Klinikum*  
Epigenetic evolution in acute myeloid leukemia

Keywords: *AML, DNA-Methylation, 450k Arrays, RRBS*

**Science Session 3:** Fri, Oct 7, 9:00-11:00

- 9:30 Georg Leubolt *Philipp Greif's Lab, LMU Klinikum*  
Functional investigation of GATA2 mutations in hematological malignancies  
Keywords: *GATA2, FOG1, Transcription factor, Zinc finger*
- 9:40 Julia Kempf *Karsten Spiekermann's Lab, LMU Klinikum*  
Epigenetic alterations in AML – EZH2 as epigenetic regulator  
Keywords: *EZH2, EZH2 mutations, AML, inhibition*
- 9:55 Paul Kerbs *Philipp Greif's Lab, LMU Klinikum*  
Comprehensive analysis of allele-specific transcription in early bovine embryos  
(master's topic)
- 10:10 Ria Spallek *Florian Bassermann's Lab, TUM Klinikum*  
Modulation of NFkB-Signaling by Fbxo21 in lymphoma  
Keywords: *ubiquitin-proteasome-system, NFkB-signaling, Lymphoma, Fbox-proteins*
- 10:25 Sophie Janich *Karsten Spiekermann's Lab, LMU Klinikum*  
Functional characterization of the H3K27 demethylase KDM6A in acute myeloid leukemia  
Keywords: *KDM6A, histone demethylase, acute myeloid leukemia, epigenetic regulation*

## The Ten Commandments (... for a good presentation)

1. **Smile!** Breathe!
2. Watch your posture! Speak loudly and clearly **to** the audience. Be yourself, but stay professional.
3. **Stick to the time limit!** Calculate roughly 1 minute per slide.
4. Do not "re-cite" the title. Do not say "As you all know ...". Do not gloss over basic principles if they are critical for understanding your topic.
5. The conventional structure for talks is:
  - brief thanks to host
  - main topic
  - brief background
  - results
  - conclusion and take home message
  - outlook
  - acknowledgements (cooperation and support, funding).
6. Use a consistent design/layout, e.g. corporate design of home institute.
7. Keep it simple! Do not overload slides with text or images.
8. Everything on your slide should be legible. Use high quality images!
9. Cite all publications and images, even if they are your own.
- 10. Practice!**

## Heinrich's tips:

1. Smile!
2. Make your time count - this is your chance!
3. Know thy tools.
4. Know thy audience .
5. Find a strategic position to stand.
6. Be excited!
7. Use a voice of success/modulate your voice.
8. Start and end are important! People will most likely remember the beginning and the end of your talk..
9. Don't overdo animations.
10. Keep text to a minimum.
11. Be structured (help your audience to understand, don't overuse original data, close w/ summary cartoons or schemes).
12. Stick to same slide design.
13. Double-check for spelling mistakes!
14. Keep in mind that after your talk your audience will have a vague impression of yourself, and a scientific message.
15. Don't forget the acknowledgement.
- 16. Practice, practice, practice!**
17. You are your own best coach - watch a video of yourself.

