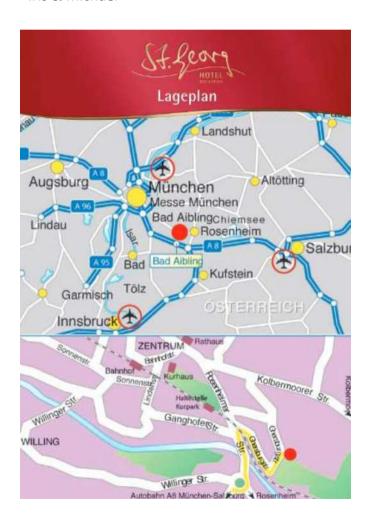
Dear colleagues,

we warmly welcome you to the 5th Workshop of Genetic Epidemiology in the Hotel St. Georg, Bad Aibling (see below).

We are looking forward to compelling talks and discussions.

With best regards,

Iris & Michael



This workshop is organized by the Department of Genetic Epidemiology of the University of Regensburg (Iris Heid, Sylvia Pfreintner) and the Pädiatrische Pneumologie und Allergologie, Krankenhaus der Barmherzigen Brüder, Regensburg (Michael Kabesch), supported by the Helmholtz Center Munich (Herbert Heilmaier).





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We appreciate the support of the following sponsors (TO BE CONTINUED):



Juggling -Omics data

The GRAINAU Meeting at Bad Aibling

5th Workshop of Genetic Epidemiology

March 25 - 27, 2015, Hotel St. Georg, Bad Aibling





Wednesday, March 25

13:00 Opening: Iris Heid & Michael Kabesch

Session I: Genomics goes rare variants 13:10 – 14:40

Norman Klopp, Iris Heid **Session Chairs:** 13:10-13:55 **Keynote:** Zoltan Kutalik, Lausanne, CH: Challenges and some solutions of genomic data analysis (30+15 min) 13:55-14:10 Matthias Olden, Regensburg: Insights into rare variation on the example of age-related macula degeneration (10+5) 14:10-14:25 Martina Müller-Nurasyid, Neuherberg: Experiences exploreing the exome chip (10+5) 14:25-14:40 Carsten Böger, Regensburg: Extending GWAS on kidney function to larger and denser data (10+5) Coffee Break - 20 min.

Session II: Next generation sequencing, RNA 15:00 – 16:45

Session Chairs	Konstantin Strauch, Thomas Meitinger
15:00-15:45	Keynote speaker: Roland Eils, Heidelberg:
	Massive genome and epigenome sequencing for
	dissecting pathomechanisms in cancer and
	environmentally induced diseases (30+15 min)
15:45-16:00	Tobias Haack, Neuherberg: Large-scale analysis of
	clinical exomes (10+5)
16:00-16:15	Steffen Sass, Neuherberg: Bioinformatic
	challenges of Next Generation Sequencing
	technology (10+5)
16:15-16:30	Thomas Wieland, Neuherberg: Exome sequencing
	based association studies (10+5)
16:30-16:45	Tim Kacprowki, Greifswald: Association Studies
	for Plasma Micro-RNAs (10+5)

Short break – 15 min.

Session III: Epigenomics and GxE 17:00 – 18:30

Session Chairs:	Annette Peters, Rui Wang-Sattler
17:00-17:45	Keynote speaker: Steven Horvat, Los Angeles,
	USA: The epigenomic clock (30+15 min)
17:45-18:00	Tavin Ward-Taviness, Neuherberg, Epigenetics
	and incident myocardial infarction (10+5)
18:00-18:15	Thomas Panini, Affiliation: Ambient air pollution
	and genome-wide methylation (10+5)
18:15-18:30	Claudia Lamina, Innsbruck: Epigenome analysis
	on Lipoprotein a
	on Lipoprotein a

19:00 Dinner

Thursday, March 26

Session IV: mtDNA – 1000 Genomes per cell 09:00 – 10:30

Session Chairs:	Florian Kronenberg, Holger Prokisch
09:00-09:45	Keynote: Robert Taylor, Newcastle, UK: Title to
	be announced (30+15 min)
09:45-10:00	Antonia Flaquer, Neuherberg: Mitochondrial
	GWAS in several complex diseases using the
	KORA population (10+5)
10:00-10:15	Sebastian Schönherr, Innbruck: highly distributed
	analysis pipeline for mtDNA next-generation
	sequencing (10+5)
10:15-10:30	Hansi Weißensteiner, Innsbruck: Pitfalls and
	perspectives of mtDNA heteroplasmy in NGS
	studies (10+5)

Coffee Break - 30 min.

Session V·	Microbiome	11:00 – 12:30

Session Chairs:	Stefan Weidinger, Jakob Linseisen
11:00-11:30	Main talk: André Gessner, Regensburg:
	Microbiome shapes host genome (function)
	(20+10 min)
11:30-12:00	Main talk: Andre Franke, Kiel: Gut microbiome
	and Crohn's disease (20+10)
12:00-12:30	Main talk: Dirk Haller, München: Microbiome
	and Host – Function beyond Sequencing (20+10)

12:30-13:30 Lunch

Discussion of New Projects in Genetic and Molecular Epidemiology 13:30 – 17:30

19:00 Dinner & Surprise

Friday, March 27

Session VI:	Proteomics and Metabolomics	09:00 – 10:4

Session Chairs: Georg Homuth, Gabi Kastenmüller	
09:00-09:30	Main Talk: Uwe Volker, Greifswald: New
	developments in proeomics (20+10 min)
09:30-09:45	Helmut Laumen, Freising: From GWAS to
	functional variants: an application of proteomics
	(10+5)
09:45-10:00	Maik Pietzner, Greisfswald: What's beyond
	classical thyroid hormones: associations between
	serum 3,5-T2 and the metabolome (10+5)
10:00-10:15	Kieu Trinh Do, Neuherberg: Intra- and interfluid
	metabolite associations in human blood, urine
	and salivia (10+5)
10:15-10:30	Simone Wahl, Neuherberg: Metabolic
	consequences of body weight change in the
	general population – a multi-omnic approach
	(10+5)

Session VII: Integration of Omics data 11:00 – 12:30

Session Chairs:	Christian Gieger, Fabian Theis
11:00-11:15	Liliane Pfeiffer, Neuherberg: DNA Methylation of Lipid-Related Genes Affects Blood Lipid Levels (10+5min)
11:15-11:30	Stefan Brandmaier, Neuherberg: Prioritization of Genetic Drug Targets within the CarTarDis Project (10+5)
11:30-11:45	Johannes Raffler, Neuherberg: SNiPA: an interactive, genetic variant-centered annotation browser (10+5)
11:45-12:00	Gabi Kastenmüller, Neuherberg: Integrative analysis of metabolome wide association studies (10+5)
12:00-12:15	Jan Krumisek, Neuherberg: Systems metabolomics (10+5)
12:15-12:30	Nikola Müller, Neuherberg: Integration strategies for multi-level high dimensional data (10+5)

12:30-12:45 Closing remarks: Michael Kabesch & Iris Heid

12:45-13:45 Lunch

Coffee Break - 30 min.