

- 10:00 – 10:15 am **Tobias Stoeger**, Helmholtz Zentrum München, Germany
Response to ultrafine particle instillation in two mouse strains with extremely divergent lung function
- 10:15 – 10:30 am **Rainer Spanagel**, Central Institute of Mental Health Mannheim, Germany
Alcoholism – A Systems approach from molecular physiology to addictive behaviour
- 10:30 – 10:45 am **Hadi Al-Hasani**, German Institute for Human Nutrition Nuthetal, Germany
Tbc1d1 mutation confers leanness and protects from diet-induced obesity and diabetes
- 10:45 – 12:45 pm **Lunch Break and Poster Session II – Posters Symposia V-VI**
- 10:45 – 12:45 pm **Company Satellite Lunch Sessions:**
Roche Diagnostics GmbH – *LightCycler 480 System (Real-Time PCR)*
Illumina Ltd – *Genotyping and Gene-expression updates from Illumina*
TMF e.V. - *Contact partner and common platform for networked medical research*

- 2:30 – 2:45 pm **Isabel von Korff**, Competence Center Technology Transfer (KIT)
Technology Transfer in the program for medical genome research
- 2:45 – 3:00 pm **Ceremony: “Annemarie Poustka Poster Award of Medical Genome Research” sponsored by Roche Diagnostics GmbH**
Concluding Remarks: Hugo Katus, Speaker
Project Committee of NGFN-Plus / NGFN-Transfer in the Program of Medical Genome Research

With special thanks to:



Conference Secretariat

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Venue

Helmholtz Zentrum München
Ingolstädter Landstr. 1
85764 Neuherberg

HelmholtzZentrum münchen
German Research Center for Environmental Health

The conference will be held in the **Auditorium** and **Biologikum** of the Helmholtz Zentrum München which is located in Neuherberg in the north of Munich, Germany. Bus shuttle service will be provided.



1st Annual Meeting of

NGFN-Plus and NGFN-Transfer in the Program of Medical Genome Research

12th – 13th December 2008

Helmholtz Zentrum München

www.ngfn-meeting.de

Scientific Program Committee

- Prof. Martin Hrabé de Angelis
Helmholtz Zentrum München
- Prof. Hugo Katus
Universitätsklinik Heidelberg
- Dr. Bernhard Korn
DKFZ Heidelberg
- Prof. Hans Lehrach
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Symposium VI: Transfer from Genomics to Application

(Chairs: Markus Hecker, Birte Sönnichsen)

- 12:45 – 1:30 pm **Keynote: Bert Kleibl**, Lead Discovery Center GmbH, Dortmund, Germany
From Genomes to Drugs
- 1:30 – 1:45 pm **Martin Sos**, Max Planck Institute for Neurological Research Cologne, Germany
Defining PI3-Kinase dependency in non-small cell lung cancer
- 1:45 – 2:00 pm **Eva Lattka**, Helmholtz Zentrum München, Germany
Functional impact of polymorphisms on the human delta-6 desaturase gene promoter
- 2:00 – 2:15 pm **Nicole Huebener**, Charité – University Medicine Berlin, Germany
Xenogeneic immunization with human tyrosine hydroxylase DNA vaccines effectively eradicates established neuroblastoma and induces long lasting protective immunity
- 2:15 – 2:30 pm **Michal-Ruth Schweiger**, Max Planck Institute for Molecular Genetics, Berlin, Germany
High-throughput sequencing of snap frozen and paraffin embedded cancer and normal tissues

Program

Thursday, December 11th, 2008

- 1:00 – 4:00 pm **Workshop: Next Generation Sequencing**
- 4:00 – 4:30 pm *Coffee Break*
- 4:30 – 8:00 pm **Workshop: The NGFN Genome-Wide Association Studies (GWAS) Program for Complex Phenotypes**
- 8:00 pm *Supper*

Friday, December 12th, 2008

8:30 – 9:00 am **Welcome:**

Günther Wess, Scientific Director, HMGU

Elmar Nimmesgern, BMBF

Martin Hrabě de Angelis, Speaker Project Committee of NGFN-Plus / NGFN-Transfer in the Program of Medical Genome Research

Symposium I: Genomics of Common Disease

(Chairs: Hugo Katus, Stefan Schreiber)

- 9:00 – 9:45 am **Keynote: Nilesh Samani**, University Leicester, UK
Genetics of CAD (coronary artery disease): an update
- 9:45 – 10:00 am **Arne Pfeufer**, Institute of Human Genetics, Technical University Munich & Helmholtz Zentrum München, Germany
Common variants at ten loci modulate the QT interval duration in individuals of European ancestry: the QTSCD consortium
- 10:00 – 10:15 am **Marcella Rietschel**, Central Institute of Mental Health Mannheim, Germany
Genome-wide association study of alcohol dependence
- 10:15 – 10:30 am **Sven Cichon**, Life & Brain Center, University of Bonn, Germany
Large recurrent microdeletions associated with schizophrenia
- 10:30 – 10:45 am **Iris Heid**, Helmholtz Zentrum München, Germany
Meta-analyses of genome-wide association studies: six new obesity associated loci highlight a neuronal influence on body weight regulation
- 10:45 – 11:00 am **André Franke**, Universitätsklinikum Schleswig-Holstein, Kiel, Germany
Genome-wide scan reveals association of psoriasis with IL-23 and NF-κB pathways
- 11:00 – 11:15 am **Thomas Illig**, Helmholtz Zentrum München, Germany

Genome-wide scan on total serum IgE levels identifies FCER1A as novel susceptibility locus

11:15 – 11:45 am *Coffee Break*

Symposium II: Systems Biology

(Chairs: Hans Lehrach, Hans-Werner Mewes)

11:45 – 12:15 pm **Keynote: Ralf Herwig**, Max Planck Institute for Molecular Medicine Berlin, Germany
Integration of human molecular interactions

12:15 – 12:30 pm **Vinayagam Arunachalam**, Max Delbrück Center Berlin, Germany
Constructing a causal protein interaction network for activated MAPK signalling

12:30 – 12:45 pm **Lars Dölken**, Max von Pettenkofer-Institute Munich, Germany
High resolution gene expression profiling for simultaneous kinetic parameter analysis of RNA synthesis and decay

12:45 – 1:00 pm **Marc Johannes**, DKFZ (German Cancer Research Center) Heidelberg, Germany
Predicting pathway membership via domain signatures

1:00 – 3:00 pm *Lunch Break and Poster Session I – Posters Symposia I-IV*

1:00 – 3:00 pm **Company Satellite Lunch Sessions: Roche Diagnostics GmbH - 1) Cell Analyser xCELLigence 2) High Throughput Sequencing with the New Titanium Reagents.**

Illumina Ltd – Integrative Genetics and Next Generation Sequencing Tools by Illumina

Applied Biosystems GmbH – Ultra High Throughput sequencing analysis of Transcriptome in single cells with SOLiD 3 System

Affymetrix- New Developments for high throughput genotyping and integrated Expression analysis

Symposium III: Genome Regulation

(Chairs: Angelika Eggert, Peter Lichter)

3:00 – 3:45 pm **Keynote: Martin Vingron**, Max Planck Institute for Molecular Genetics, Berlin
Computational Regulatory Genomics

3:45 – 4:00 pm **Matthias Selbach**, Max Delbrück Center Berlin, Germany
Genome-wide identification of microRNA targets by pulsed stable isotope labelling (pSILAC)

4:00 – 4:15 pm **Jörg Hoheisel**, DKFZ (German Cancer Research Center) Heidelberg, Germany

Looking at microRNA and mRNA profiles and related epigenetic variations in promoter regions of pancreatic cancer samples

4:15 – 4:30 pm

Johannes Schulte, Universitätskinderklinik Essen, Germany
Histone demethylase LSD1 is highly expressed in poorly differentiated neuroblastoma and is a novel therapeutic target

4:30 – 4:45 pm

Jochen Supper, Center for Bioinformatics Tübingen, Germany
Predicting DNA-binding specificities of transcription factors

4:45 – 5:15 pm

Coffee Break

Symposium IV: Animal, Cellular & Tissue Models

(Chairs: Stefan Wiemann, Wolfgang Wurst)

5:15 – 6:00 pm

Keynote: Howard Jacob, Medical College Wisconsin, Milwaukee, USA
The Role of Transgenic Rats in a Genome Wide Association Studies (GWAS) World

6:00 – 6:15 pm

Stefan Wiemann, DKFZ (German Cancer Research Center) Heidelberg, Germany
IG-CSG- cellular systems genomics

6:15 – 6:30 pm

Jan Rozman, Helmholtz Zentrum München & Technische Universität München, Germany
Identification of new targets playing a role in metabolic diseases by systemic analysis in the German Mouse Clinic

6:30 – 6:45 pm

Ildikó Rácz, University of Bonn, Germany
Modulation of neuropathic pain by endocannabinoids

6:45 – 7:00 pm

Benjamin Meder, University of Heidelberg, Germany
Myosin light chain-1 controls cardiac contractility

Evening Lecture:

7:00 – 8:00 pm

Matthias Mann, MPI of Biochemistry, Martinsried, Germany
High resolution proteomics in functional genomics

8:00 pm - open end: *Get-Together, Dinner*

Saturday, December 13th, 2008

Symposium V: Genomic / Environmental Interaction

(Chairs: Markus Nöthen, H.-Erich Wichmann)

9:00 – 9:45 am

Keynote: Cornelia M. van Duijn, Erasmus University Medical School, Rotterdam, NL
From genome wide association studies to risk prediction: the importance of studies of gene interactions

9:45 – 10:00 am

Christian Gieger, Helmholtz Zentrum München, Germany
Genetics meets metabolomics: a genome-wide association study of metabolite profiles in human serum