

10:15 – 10:30 am	Andreas Schlicker, Max-Planck-Institute for Informatics, Saarbrücken, Germany <i>Prioritizing Disease Genes from Association Studies using Functional Similarity</i>
10:30 – 10:45 am	Mihail Sarov, Max-Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany <i>TransgeneOmics: a platform for systems wide protein function analysis in metazoans</i>
10:45 – 12:45 pm	Lunch Break and Poster Session II
10:45 – 12:45 pm	Company Satellite Lunch Sessions: Febit Biomed GmbH – The Power to Detect Affymetrix Europe – Conquer the next wave of genomic discoveries: the next-generation Axiom™ Genotyping Solution from Affymetrix® Fluidigm Europe B.V. - Library preparation for re-sequencing and long range sequencing made easy and robust using Fluidigm's proven nanofluidic technology

Symposium VI: Transfer from Genomics to Application

12:45 – 1:30 pm	Keynote: Jörg Rademann, Leibniz-Institut für Molekulare Pharmakologie, Berlin, Germany <i>Virtual and dynamic small molecule screening in academic drug discovery</i>
1:30 – 1:45 pm	Nikolaus Machuy, Max Planck Institute for Infection Biology, Berlin, Germany <i>Human host cell factors crucial for influenza virus replication identified by genome-wide RNAi screen</i>
1:45 – 2:00 pm	Andreas Keller, Biomarker Discovery Center, Heidelberg, Germany <i>Specific miRNA fingerprints in patients' blood samples as novel diagnostic tool</i>
2:00 – 2:15 pm	Ruprecht Kuner, German Cancer Research Center-DKFZ, Heidelberg, Germany <i>Genome-wide analysis of deregulated microRNAs in prostate cancer</i>
2:15 – 2:30 pm	Ulrike Korf, German Cancer Research Center- DKFZ, Heidelberg, Germany <i>Integration of genomic and proteomic data to unwind chemoresistance mechanisms</i>
2:30 – 2:45 pm	Patrick Linsel-Nitschke, University of Lübeck, Germany <i>Risk prediction of myocardial infarction using a weighted genetic score – the German MI Family Study</i>
2:45 – 3:00 pm	Ceremony: "Annemarie Poustka Poster Award of Medical Genome Research 2009" sponsored by Roche Diagnostics GmbH Concluding Remarks: Hugo Katus, Speaker Project Committee of NGFN-Plus / NGFN-Transfer in the Program of Medical Genome Research

Conference Support

Prof. Hans Lehrach
Max-Planck-Institut f. Molekulare Genetik, Berlin

Prof. Volker A. Erdmann
Freie Universität Berlin

Conference Secretariat

NGFN Geschäftsstelle, c/o DKFZ - Heidelberg
Dr. Silke Argo, E-Mail: s.argo@dkfz.de
Phone: +49 (0)6221 42 47 43

Venue

Henry Ford Building, Berlin
Garystr. 35
14195 Berlin
Phone: +49 (0)30-838-54250

The conference will be held in the spacious **Auditorium/Audimax** of the Henry Ford Building in Berlin, Germany which is part of the Freie Universität (FU) – Campus Berlin –Dahlem.

With special thanks to:



Max Planck Institute
for Molecular Genetics



PROGRAM OF
MEDICAL GENOME RESEARCH

2nd Annual Meeting of

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

26th – 28th November 2009

Berlin
Henry-Ford Building (FU)

www.ngfn-meeting.de

Scientific Program Committee

Prof. Martin Hrabě de Angelis
Helmholtz Zentrum München

Prof. Hugo Katus
Universität Heidelberg

Dr. Bernhard Korn
DKFZ Heidelberg

Prof. Hans Lehrach
Max-Planck-Institut f. Molekulare Genetik, Berlin

Prof. Peter Lichter
DKFZ Heidelberg

Prof. Markus Nöthen
Friedrich-Wilhelms Universität Bonn

Prof. Matthias Riemenschneider
Universitätsklinikum des Saarlandes, Homburg/Saar

Prof. Stefan Schreiber
Universitätsklinikum Schleswig-Holstein, Kiel

Prof. Heribert Schunkert
Universitätsklinikum Schleswig-Holstein, Lübeck

Prof. Erich H. Wichmann
Helmholtz Zentrum München

PD Dr. Stefan Wiemann
DKFZ Heidelberg

Prof. Wolfgang Wurst
Helmholtz Zentrum München

SPONSORED BY THE



Program

Thursday, November 26th, 2009

1:00 – 4:00 pm	Workshop I: Next Generation Sequencing (Org. Hans Lehrach, Ralf Sudbrak)
4:00 – 4:30 pm	Coffee Break
4:30 – 6:30 pm	Workshop II: Epigenetic Regulation (Org. Peter Lichter)
7:00 pm	Supper

Friday, November 27th, 2009

Symposium I: Genomics of Common Disease

8:30 – 9:15 am	Keynote: Heribert Schunkert, University Clinics Lübeck, Germany <i>Genetics of myocardial infarction</i>
9:15 – 9:30 am	Christian Gieger, Helmholtz Zentrum München, Germany <i>The role of genetically determined metabolotypes in the genetics of complex traits and polygenic disorders</i>
9:30 – 9:45 am	Anke Hinney, University Duisburg-Essen, Germany <i>Two new loci for body weight regulation identified in a joint analysis of genome-wide association studies for early onset extreme obesity in French and German study groups</i>
9:45 – 10:00 am	Sven Cichon, Institute of German Genetics, University of Bonn, Germany <i>Genome-wide survey implicates CNVs in early-onset bipolar disorder</i>
10:00 – 10:15 am	André Franke, Christian-Albrechts-University zu Kiel, Germany <i>Whole-genome, -exome, and targeted resequencing approaches to identify the remaining genetic heritability in Crohn's disease</i>
10:15 – 10:30 am	Margret Hoehe, Max-Planck-Institute for Molecular Genetics, Berlin, Germany <i>MHC Haplotype Sequencing: An integrated Approach to Common Disease</i>
10:30 – 11:00 am	Coffee Break

Welcome

11:00 – 11:30 am	Martin Hrabě de Angelis, Speaker Project Committee of NGFN-Plus / NGFN-Transfer in the Program of Medical Genome Research
	Helge Braun, Parlamentarischer Staatssekretär im Bundesministerium für Bildung und Forschung
	Hans Lehrach, Max-Planck-Institute for Molecular Genetics, Berlin, Germany

Symposium II: Genomics of Sporadic Cancer

11:30 – 12:15 pm	Keynote: Ivo Gut, CEA/ Institut de Génomique - Centre National de Génotypage, Evry, France <i>From genome-wide association studies to whole-genome sequencing in cancer</i>
12:15 – 12:30 pm	Vegi M. Naidu, LMU, Munich, Germany <i>AML1-ETO collaborates with the HOX Gene Co-Factor, MEIS1 in inducing acute leukemia in the mouse bone marrow transplantation model</i>
12:30 – 12:45 pm	Özgur Sahin, German Cancer Research Center –DKFZ, Heidelberg, Germany <i>Modulation of ERBB receptor-driven cell invasion and proliferation by miR-200c via targeting PLC?1 and MIG-6 in breast cancer</i>
12:45 – 1:00 pm	Johannes Schulte, Universitätskinderklinik Essen, Germany <i>High ALK receptor tyrosine kinase expression prevail ALK mutation as a determining factor of an unfavourable phenotype in primary neuroblastoma</i>
1:00 – 3:00 pm	Lunch Break and Poster Session I
1:00 – 3:00 pm	Company Satellite Lunch Sessions: Illumina Ltd – Illumina's Array and Sequencing Tools for Genomic Discovery Roche Diagnostics GmbH – "A quantum leap in high throughput sequencing and realtime-PCR." 1) The Light Cycler®1536 Real-Time PCR System: High throughput - redefined 2) The Genome Sequencer FLX: Next products and developments Applied Biosystems GmbH – Whole Genome and Targeted Resequencing Using the SOLID™ 3 Plus

Symposium III: Animal, Cellular & Tissue Models

3:00 – 3:45 pm	Keynote: Mark Moore, Wellcome Trust Sanger Institute, Hinxton Cambridge, UK <i>Planning for the International Mouse Phenotyping Consortium</i>
3:45 – 4:00 pm	Bernhard G. Herrmann, Max-Planck-Institute for Molecular Genetics, Berlin, Germany <i>Identification of Modifiers of Intestinal Tumor Formation and Progression utilising mouse Chromosome Substitution Strains</i>
4:00 – 4:15 pm	Till Acker, Institute of Neuropathology, University Giessen, Germany <i>A hypoxic niche regulates tumor stem cells</i>
4:15 – 4:30 pm	Annette Schürmann, German Institute of Human Nutrition, Potsdam-Rehbrücke, Germany <i>The role of the GTPase Arfp1 for lipid droplet formation and the regulation of lipolysis in adipose tissue</i>

4:30 – 4:45 pm	Guido Krebichl, Hertie Institute for Clinical Brain Research – Center of Neurology, University of Tuebingen, Germany <i>Mitochondrial dysfunction and impaired lysosomal degradation due to loss of Parkinson's disease associated protein DJ-1</i>
----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

4:45 – 5:15 pm **Coffee Break**

Symposium IV: Systems Biology

5:15 – 6:00 pm	Keynote: Hans Westerhoff, University of Manchester, UK, Vrije Universiteit Amsterdam, NL <i>Integrative Genomics with a little help from its friend: from genes to function and back</i>
6:00 – 6:15 pm	Hans Lehrach, Max-Planck-Institute for Molecular Genetics, Berlin, Germany <i>The TREAT1000 project: a step towards an individualisation of medicine</i>
6:15 – 6:30 pm	Bodo Lange, Max-Planck-Institute for Molecular Genetics, Berlin, Germany <i>A protein-protein interaction network links protein of cell division pathways to their functional dysregulation in cancer</i>
6:30 – 6:45 pm	Björn Schwanhäusser, Max Delbrück Centrum, Berlin, Germany <i>Genome-wide analysis of protein and mRNA half-lives reveals dynamic properties of mammalian gene expression</i>
6:45 – 7:00 pm	Jörn Walter, Saarland University, Germany <i>From Epigenetics to Epigenomics – DNA-methylation patterns along human chromosomes</i>
	Evening Lecture:
7:00 – 8:00 pm	Jens Reich, Max Delbrück Center, Berlin, Germany <i>Chimera Research in Developmental Biology – the Ethical Question</i>
8:00 – 10:00 pm	Get-Together (Wine, Fingerfood, Music)

Saturday, November 28th, 2009

Symposium V: New Technologies

9:00 – 9:45 am	Keynote I: Erich Wanker, Max-Delbrück Center for Molecular Medicine, Berlin, Germany <i>Protein folding and misfolding: a major challenge for modern disease research</i>
9:45 – 10:00 am	Keynote II: Jan Korbel, EMBL, Heidelberg, Germany <i>Structural Variations in the Genome – Using Next-Gen Sequencing to obtain Insights into their Origin, Extent and Functional Impact</i>
10:00 – 10:15 am	Hans-Jörg Warnatz, Max-Planck-Institute for Molecular Genetics, Berlin, Germany <i>Cell Array-Based Functional Analysis of Human Chromosome 21 Gene Promoters</i>