

10.45 – 12.45 pm

Lunch Break and Poster Session II

10.45 – 12.45 pm

Company Satellite Sessions:

Affymetrix Europe – *Technology advances:*

- *Powerful custom genotyping from 50K to 5M SNPs*
- *Unparalleled performance for allele-specific copy number detection in FFPE samples*

Sequenom GmbH - Translating Genomic Discovery into Human Health – The MassARRAY® for DNA Methylation and Somatic Mutation Profiling

12.45-1.00 pm Poster Award Ceremony

12.45 – 1.00 pm

Ceremony: “Annemarie Poustka Poster Award of Medical Genome Research 2010” sponsored by Roche Diagnostics GmbH – Daniel Heißwolf

Symposium VI: New Technologies

1.00 – 1.15 pm

Philip Rosenstiel, Institute of Clinical Molecular Biology, University Kiel, Germany

Whole genome sequence of a Crohn disease trio – a paradigm for etiology discovery in complex disease?

1.15 – 1:30 pm

Ralf Sudbrak, Max Planck Institute for Molecular Genetics, Berlin, Germany

A map of human genome variation from population scale sequencing (the 1000 Genomes Project)

1.30 – 1.45 pm

Norman Klopp, Helmholtz Zentrum Munich, Germany

Whole genome amplification in large biobanks

1.45 – 2.00 pm

Sebastian Eck, Helmholtz Zentrum Munich, Germany

Analysis pipeline for exome sequencing data

2.00 – 2.45 pm

Keynote: George Church, Harvard Medical School, Boston, USA (Live broadcast videoconference)
Technologies for Collecting and Integrating Genome, Environment and Trait data

2.45 – 3.00 pm

Concluding Remarks: Stefan Wiemann, German Cancer Research Center (DKFZ), Heidelberg, Germany, 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
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Venue

Henry Ford Building, Berlin
Garystr. 35
14195 Berlin
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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



**3rd Annual Meeting of
NGFN-Plus and NGFN-Transfer
in the
Program of Medical Genome Research**

25th – 27th November 2010

**Berlin
Henry Ford Building (FU)**

www.ngfn-meeting.de/2010

Scientific Program Committee

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Helmholtz Zentrum München
- Prof. Joachim Jankowski
Charité Berlin
- Prof. Hugo Katus
Universität Heidelberg
- Prof. Hans Lehrach
Max-Planck-Institut f. Molekulare Genetik, Berlin
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- PD Dr. Stefan Wiemann
DKFZ Heidelberg
- Prof. Wolfgang Wurst
Helmholtz Zentrum München

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Program

Thursday, November 25th, 2010

12.00 – 1.45 pm	Satellite Symposium I: Next Generation Sequencing Session I (Org. Bernhard Korn)
1.45 – 2.00 pm	Coffee Break
2.00 – 4.00 pm	Satellite Symposium I: Next Generation Sequencing. Session II (Org. Bernhard Korn)
4.00 – 4.30 pm	Coffee Break
4.30 – 7.00 pm	Satellite Symposium II: Small RNAs (Org. Jürgen Brosius, Jürgen Haas)
7.00 pm	Supper

Friday, November 26th, 2010

Symposium I: Genomics of Common Disease I

8.30 – 9.15 am	Keynote: Mark Lathrop, Centre National de Génotypage, Evry, France <i>Medical and public health applications of genomics</i>
9.15 – 9.30 am	Thomas W. Mühleisen, Institute of Human Genetics, University of Bonn, Germany <i>Genome-wide association study and comprehensive follow-up strongly supports Neurocan (NCAN) as a novel susceptibility gene for bipolar disorder</i>
9.30 – 9.45 am	Susanne Lucae, Max Planck Institute of Psychiatry, Munich, Germany <i>The neuronal transporter gene SLC6A15 confers risk to major depression</i>
9.45 – 10.00 am	André Reis, University Erlangen-Nuremberg, Germany <i>MRNET – German Mental Retardation Network – a platform for systematic identification of genes for mental retardation</i>
10.00 – 10.15 am	Vera Kalscheuer, Max Planck Institute for Molecular Genetics, Berlin, Germany <i>Systematic mutation search in families with XLMR by next-generation sequencing</i>
10.15 – 10.45 am	Coffee Break

Welcome

10.45 – 11.15am	Hugo A. Katus, Heidelberg University Hospital, Germany, Speaker Project Committee of NGFN-Plus / NGFN-Transfer in the Program of Medical Genome Research
	Frank Laplace, Federal Ministry of Education and Research, Germany
	Hans Lehrach, Max Planck Institute for Molecular Genetics, Berlin, Germany

Symposium II: Genomics of Common Disease II

11.15 – 12.00 pm	Keynote: Xavier Estivill, CRV - Center for Genomic Regulation, Barcelona, Spain <i>Structural variation analysis by large-scale human genome sequencing</i>
12.00 – 12.15 pm	Andre Franke, Christian-Albrechts-University Kiel, Germany <i>Genome-wide meta-analysis increases to 71 the number of confirmed Crohn's Disease susceptibility loci</i>
12.15 – 12.30 pm	Christian Kubisch, University of Ulm, Germany <i>Genome-wide association study of migraine implicates a common susceptibility variant on 8q22.1</i>
12.30 – 12.45 pm	Anja Bauerfeind, Max Delbrueck Center, Berlin, Germany <i>A conserved trans-acting regulatory locus underlies an inflammatory gene network and susceptibility to autoimmune type 1 diabetes</i>
12.45 – 1.00 pm	Jeanette Erdmann, University of Luebeck, Germany <i>CARDIOGRAM: Thirteen novel genetic loci affecting risk of coronary artery disease</i>
1.00 – 3.00 pm	Lunch Break and Poster Session I
1.00 – 3.00 pm	Company Satellite Sessions
	Fluidigm Europe B.V. – High Throughput Gene Expression Profiling of Single Cells
	Illumina Europe <i>Advances in Illumina Next-Generation Sequencing and Array Solutions that Enable Biological Discovery</i>
	Applied Biosystems Europe – <i>From Proton Sequencing to Achieving 99.99% Accuracy: Recent Advances in the Life Technologies Sequencing Portfolio</i>

Symposium III: Animal, Cellular & Tissue Models

3.00 – 3.45 pm	Keynote: Andrea Ballabio, Telethon Institute of Genetics and Medicine – TIGEM, Naples, Italy <i>The genetic control of lysosomal function and of cellular clearance</i>
3.45 – 4.00 pm	Jens Siveke, TU – Munich, Germany <i>Mouse models endogenous pancreatic cancer – role of EGFR and Notch signalling</i>
4.00 – 4.15 pm	Kaomei Guan, Georg-August-University of Goettingen, Germany <i>Generation of functional cardiomyocytes from patient-specific induced pluripotent stem cells</i>
4.15 – 4.30 pm	Jan Deussing, Max Planck Institute of Psychiatry, Munich, Germany <i>CRHR1, a key regulator of stress, regulates anxiety in opposite directions by controlling glutamatergic and dopaminergic neurons</i>
4.30 – 4.45 pm	Bernd Timmermann, Max Planck Institute for Molecular Genetics, Berlin, Germany <i>Identification of a new peroxiredoxin allele with a phenotype of oxidant-resistance and premature aging by whole genome resequencing of yeast</i>

4.45 – 5.15 pm

Coffee Break

Symposium IV: Systems Biology

5.15 – 6.00 pm	Keynote: Anne-Claude Gavin, EMBL, Heidelberg, Germany <i>Biochemical approaches to biomolecular networks</i>
6.00 – 6.15 pm	Reinhold Schäfer, Charité - Universitätsmedizin Berlin, Germany <i>Identification of Y-box binding protein 1 as a core regulator of MEK/ERK pathway-dependent gene signatures in colorectal cancer cells</i>
6.15 – 6.30 pm	Özgür Sahin, German Cancer Research Center (DKFZ) Heidelberg, Germany <i>Genome-wide miRNA level regulation of ErbB receptor protein network in breast cancer</i>
6.30 – 6.45 pm	Michaela D. Filiou, Max Planck Institute of Psychiatry, Munich, Germany <i>Proteomics and metabolomics analysis for biomarker discovery in a trait anxiety mouse model</i>
6.45 – 7.00 pm	Jean-Fred Fontaine, Max Delbrueck Center for Molecular Medicine, Berlin Germany <i>Orthology-based phenotypic inference from disease models to human applications</i>
	Evening Lecture:
7.00 – 8.00 pm	Regine Kollek, University of Hamburg, FSP BIOGUM, FG Medizin, Hamburg, Germany <i>Genomes and people: How do they come together?</i>
8.00 – 10.00 pm	Get-Together (Wine, Fingerfood, Music)

Saturday, November 27th, 2010

Symposium V: Transfer from Genomics to Application

9.00 – 9.45 am	Keynote: Max Hasmann, Roche Diagnostics GmbH, Penzberg, Germany <i>Targeted combination therapy of HER2-positive breast cancer</i>
9.45 – 10.00 am	Michal-Ruth Schweiger, Max Planck Institute for Molecular Genetics, Berlin, Germany <i>A next generation genome-wide view of (epi)genetic alterations in clinically distinct colon cancer</i>
10.00 – 10.15 am	Katja Werner, Can GmbH, Hamburg, Germany <i>PROCEED SP10: Molecular tumor imaging using antibody-coated nanoparticles; Construction of antibody conjugated fluorescent nanoparticles for in vivo imaging of prostate cancer cell</i>
10.15 – 10.30 am	Heike Bruck, University of Duisburg-Essen, Germany <i>NTCVD-Consortium identified known and new proinflammatory and profibrotic biomarkers in patients with chronic kidney disease</i>
10.30 – 10.45 am	Elena Syurina, Maastricht University, The Netherlands <i>Identification of the gaps in integration of genome-based knowledge in the International Public Health legislation</i>