

Program of the Annual AGD Meeting 2011, Potsdam Oct 28-29

Friday, October 28

12:00-13:30 New tools in genomics – Sponsors' Satellite Session

Light refreshments and food will be served

Session Chair: Udo Schimmel, Alphametrix Biotech GmbH, Rödermark

- 12:15-12:30 **Maik Pruess** (Affymetrix UK Ltd., High Wycombe)
"Next generation tools for comprehensive variant and transcriptome analysis"
- 12:30-12:45 **Christian Korfhage** (QIAGEN GmbH, Hilden)
"Prospects and risk of whole genome amplified DNA for genotyping"
- 12:45-13:00 **Andreas Polten** (Agilent Technol. Sales & Services GmbH & Co. KG, Böblingen)
"Scalable automation solutions for target enrichment with SureSelect"
- 13:00-13:15 **René Gödde** (Beckman Coulter GmbH, Krefeld)
"Versatile and flexible automation in NGS"
- 13:15-13:30 **Hannes Arnold** (Caliper Life Sciences GmbH, Mainz)
"From sample to sequence - automated NGS sample preparation"

13:30-14:00 Coffee Break, Industrial Exhibition and Poster Viewing

14:00-14:10 Welcome and Opening of Symposium

Peter Nürnberg, President of the AGD

Michael Krawczak, Chair of the Program Committee

The following companies' sponsorship is gratefully acknowledged

Affymetrix UK Ltd.	Agilent Technologies Inc.
ATLAS Biolabs GmbH	Beckman Coulter GmbH
Caliper Life Sciences GmbH	Complete Genomics Inc.
Illumina Cambridge Ltd.	Life Technologies GmbH
Lilly Deutschland GmbH	QIAGEN GmbH
Roche Diagnostics Deutschland GmbH	TIB MOLBIOL GmbH

Venue - SEMINARIS Seehotel, An der Pirschheide 40, 14471 Potsdam, Tel. 0331-9090-0

Registration - Online at <http://www.agdev.de/anmeldung.html>, on-site registration starts on Friday at 11 AM

Fees - AGD Members 65 €, Non AGD Members 125 €, Students 35 €; late registration surcharge is 25 €

Program of the Annual AGD Meeting 2011, Potsdam Oct 28-29

Friday, October 28

14:10-16:10 Session 1 – The role of rare variants in complex diseases

Session Chair: Michael Krawczak, University of Kiel

- 14:10-14:40 **Chris Tyler-Smith** (The Wellcome Trust Sanger Institute, Hinxton)
“The outcome of the 1000 Genomes Project”
- 14:40-15:10 **Suzanne Leal** (Baylor College of Medicine, Houston, TX)
“Estimation of rare variant contribution to complex trait etiology”
- 15:10-15:40 **Joseph Terwilliger** (Columbia University, New York, NY)
“Rare variants – another hype or break-through in complex disease genetics?”
- 15:40-16:05 **Steve Lincoln** (Complete Genomics Inc., Mountain View, CA)
“Technologies & reference data sets for discovery of rare variants in human disease”

16:05-16:30 Coffee Break, Industrial Exhibition and Poster Viewing

16:30-19:15 Session 2 – The triumph of NGS in Mendelian disease genetics

Session Chair: Peter Nürnberg, Cologne Center for Genomics

- 16:30-17:00 **Han Brunner** (University Medical Center St Radboud, Nijmegen)
“NextGen Sequencing and clinical genetics – a fertile marriage”
- 17:00-17:30 **Carol Saunders** (Center for Pediatric Genomic Medicine, Kansas City, MO)
“A screen for childhood disease”
- 17:30-18:00 **Patrick Willems** (Genetic Diagnostic Network – GENDIA, Antwerp)
“Why we need a MutaDATABASE”
- 18:00-18:25 **Goran Tomicic** (Life Technologies GmbH, Darmstadt)
“Semiconductor sequencing – meeting the needs of a clinical environment”

18:25-19:15 Keynote lecture by Yang Huanming (BGI)

“Medical Genomics in China”

19:15-20:15 Buffet, Industrial Exhibition and Poster Viewing

20:15-21:15 “Herbstzauber”

Concert with Music for voices, piano and cello from
Henry Purcell, Johannes Brahms, Antonín Dvořák
Richard Strauss, and Hartmut Grosch

Program of the Annual AGD Meeting 2011, Potsdam Oct 28-29

Saturday, October 29

8:30-10:15 Session 3 – The yield of cancer genome sequencing

Session Chair: Michael Hummel, Institute of Pathology, Charité, Berlin

- 08:30-09:00 **Nadia Chuzhanova** (School of Science and Technology, Nottingham)
“Comparative analysis of germline and somatic mutational spectra in tumour suppressor genes”
- 09:00-09:50 **Elaine Mardis** (The Genome Institute at Washington University, St. Louis, MO)
“From whole-genome analyses to clinical trials”
- 09:50-10:15 **Elliott Margulies** (Illumina Cambridge Ltd., Little Chesterford, Essex)
“Accurate analyses of whole genome sequence data”

10:15-10:45 Coffee Break, Industrial Exhibition and Poster Viewing

10:45-13:00 Session 4 – Prospects of genomics-based medicine

Session Chair: Thomas F. Wienker, MPI for Molecular Genetics, Berlin

- 10:45-11:10 **Marcus Dröge** (Roche Diagnostics Deutschland GmbH, Mannheim)
“Taking NGS toward clinical diagnostics”
- 11:10-11:40 **Cecile Janssens** (Erasmus University Medical Center, Rotterdam)
“The benefit of public health genomics”
- 11:40-12:10 **Norbert Paul** (Institute for History, Philosophy and Ethics of Medicine, Mainz)
“Co-evolution of ethics and genomics”
- 12:10-12:40 **Gunnar Duttge** (Institute for Criminology, Div. of Medical and BioLaw, Göttingen)
“Designing a legal framework for a genomics-based medicine”
- 12:40-13:00 **General discussion**

13:00-13:15 Oral presentations of poster prize winners

13:15-14:00 Buffet, Industrial Exhibition and Poster Viewing

14:00-15:30 AGD General Assembly

15:30 End of Meeting



Agilent Technologies



MOLBIOL