

Program of the Annual AGD Meeting 2012, Potsdam Oct 12-13

Friday, October 12

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

- 12:00-12:15 **Edgar Funk** (RainDance Technologies, Inc., Lexington)
“Digital Biology – Applications in Targeted Resequencing and Quantitative PCR”
- 12:15-12:30 **Henner Friedle** (Agilent Technol. Sales & Services GmbH & Co. KG, Böblingen)
“Haloplex and SureSelect – Flexible solutions for sequence enrichment”
- 12:30-12:45 **Kathrin Hoffmann** (Caliper – PerkinElmer, Mainz)
“New solutions for automated NGS sample preparation”
- 12:45-13:00 **Ernst Mutke** (HMK Supercomputing GmbH, Kronberg)
“Better computing for better bioinformatics”
- 13:00-13:15 **Jim White** (NanoString Technologies, Seattle, WA)
“Digital quantification of nucleic acids utilizing a digital color-coded barcode technology”
- 13:15-13:30 **Angela Hirtreiter** (Affymetrix GmbH, München)
“Microarrays in an NGS workflow”

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

The following companies' sponsorship is gratefully acknowledged

Affymetrix UK Ltd.

Agilent Technologies Inc.

ATLAS Biolabs GmbH

Beckman Coulter GmbH

BULL GmbH

HMK Supercomputing GmbH

Illumina Cambridge Ltd.

Life Technologies GmbH

NanoString Technologies, Inc.

PerkinElmer, Inc.

QIAGEN GmbH

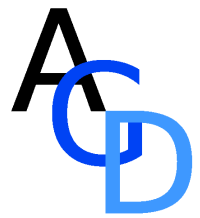
RainDance Technologies, Inc.

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 2012, Potsdam Oct 12-13

Friday, October 12

14:00-14:15 Welcome and Opening of Symposium

*Peter Nürnberg, President of the AGD
Rudi Balling, Chair of the Program Committee*

14:15-16:15 Session 1 – Data-rich Technologies

Session Chair: Peter Nürnberg, Cologne Center for Genomics

- 14:15-14:45 **Matthew Clark** (The Genome Analysis Centre - TGAC, Norwich)
“New generation sequencing”
- 14:45-15:15 **Mark Ross** (Illumina, Cambridge)
“Towards Clinical Application of Next-Generation Sequencing”
- 15:15-15:45 **Karsten Hiller** (Luxembourg Centre for Systems Biomedicine, LCSB)
“In vivo metabolomics”
- 15:45-16:15 **Wolfgang Huber** (EMBL, Heidelberg)
“Imaging-based phenotyping and genetic interactions”

16:15-16:45 Coffee Break, Industrial Exhibition and Poster Viewing

**16:45-18:15 Session 2 – What’s ahead?
Developments in IT & (bio)informatics**

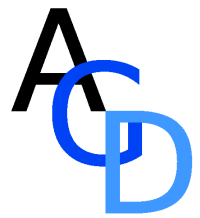
Session Chair: Rudi Balling, Luxembourg Centre for Systems Biomedicine, LCSB

- 16:45-17:15 **Gunter Röth** (Bull, Köln)
“Bioinformatics, data storage and high performance computing”
- 17:15-17:45 **Sean O’Donoghue** (CSIRO & Garvan, Sydney)
“How to exploit prior knowledge: From text mining to crowdsourcing”
- 17:45-18:15 **Anthony Brookes** (University of Leicester)
“I4Health Informatics”

18:15-19:00 Keynote lecture by Nikolaus Rajewsky (MDC, Berlin)
“microRNAs and RNA binding proteins”

19:00-20:00 Buffet, Industrial Exhibition and Poster Viewing

20:00-21:00 “Und haben auch im grünen Wald die Vögel ausgesungen ... ”
Concert with Music for voices, piano and cello from Max Reger,
Hans Pfitzner, and Richard Strauss



Program of the Annual AGD Meeting 2012, Potsdam Oct 12-13

Saturday, October 13

8:30-10:00 Session 3 – From GWAS to whole genome sequencing

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

- 08:30-09:00 **Stefan Schreiber** (University Hospital Schleswig-Holstein, Kiel)
“From GWAS to whole genome sequencing”
- 09:00-09:30 **Burkhard Rost** (Technical University, Munich)
“Predicting the functional relevance of SNPs”
- 09:30-10:00 **David Galas** (Pacific Northwest Diabetes Research Institute (PNDRI), Seattle, WA)
“Understanding complex traits: disease networks and genetics”
- 10:00-10:30 **Franziska Freund** (Life Technologies, Darmstadt)
“Application of semiconductor sequencing in research and diagnostics”

10:30-11:00 Coffee Break, Industrial Exhibition and Poster Viewing

11:00-13:00 Session 4 – Systems biology and its impact on early diagnosis and disease stratification

Session Chair: Rudi Balling, Luxembourg Centre for Systems Biomedicine, LCSB

- 11:00-11:30 **Dirk Löffert** (QIAGEN, Hilden)
“New sample prep solutions & multiplex gene panel target enrichment for next
generation sequencing”
- 11:30-12:00 **Jean Bousquet** (Allergy Clinic of the University Hospital, Montpellier)
“Chronic diseases and comorbidities”
- 12:00-12:30 **Zemin Zhang** (Genentech Inc., South San Francisco, CA)
“Viruses in cancer genomes”
- 12:30-13:00 **Thomas Gasser** (Hertie Institute for Clinical Brain Research, Tübingen)
“Causes and challenges of neurodegeneration”

13:00-13:30 Oral presentations of poster prize winners

13:30-14:30 Buffet, Industrial Exhibition and Poster Viewing

14:30-16:00 AGD General Assembly

16:00 End of Meeting