

Program of the Annual AGD Meeting 2017, Potsdam Oct. 6–7

Friday, October 6

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

Session Chair: Udo Schimmel, Alphamatrix Biotech GmbH, Rödermark

- 12:00–12:15 **Götz Frommer** (Agilent Technologies, Waldbronn, Germany)
"From 10ng DNA input to ready-to-sequence NGS library with molecular barcodes in one working day – the new Agilent SureSelect XT HS"
- 12:15–12:30 **Wouter Bossuyt** (Multiplicom N.V., Niel, Belgium)
"Optimization strategy for Copy Number Variant calling using Multiplicom solutions"
- 12:30–12:45 **Michael Hannus** (siTOOLS Biotech GmbH, Planegg, Germany)
"siPOOLS – high-specificity RNAi in Functional Genomics"
- 12:45–13:00 **Janine Altmüller** (Cologne Center for Genomics, Köln, Germany)
"Targeted analysis of structural rearrangements using Genomic Vision's molecular combing technology"
- 13:00–13:15 **Anika Jöcker** (QIAGEN GmbH, Hilden, Germany)
"Next Generation Sequencing in the clinics – challenges and how to overcome them"
- 13:15–13:30 **Martin Heine** (NuGEN Technologies, San Carlos, CA, USA)
"Allegro Targeted Genotyping – a cost-efficient genotyping-by-sequencing approach based on the single primer enrichment technology"

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

The following companies' sponsorship is gratefully acknowledged

Agilent Technologies	Illumina GmbH
ATLAS Biolabs GmbH	JSI medical systems GmbH
Biogen GmbH	Multiplicom N.V.
BioNano Genomics Inc.	NuGEN Technologies Inc.
Bluebee Holding B.V.	QIAGEN GmbH
Covaris Ltd	siTOOLS Biotech GmbH
Genomic Vision	TIB MOLBIOL GmbH

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

Peter Nürnberg, President of the AGD
Sebahattin Cirak, Chair of the Program Committee

14:15–15:45 Session 1 – Personalized therapies in oncology

Session Chair: Peter Nürnberg, Cologne Center for Genomics, Köln, Germany

- 14:15–14:45 **Torsten Haferlach** (MLL Munich Leukemia Laboratory, München, Germany)
“Large scale genomics in hematology”
- 14:45–15:15 **Matthias Fischer** (University Children’s Hospital Cologne, Köln, Germany)
“Insights into the genetics of spontaneous regression and fatal progression in neuroblastoma”
- 15:15–15:45 **Florian Haller** (Diagnostic Molecular Pathology, Univ. Hospital Erlangen, Germany)
“Liquid Biopsy in Personalized Oncology: Chances and Limits”

15:45–16:30 Coffee Break, Industrial Exhibition and Poster Viewing

16:30–18:30 Session 2 – The genome track to therapeutic interventions

Session Chair: Sebahattin Cirak, University Children’s Hospital and Center for Molecular Medicine Cologne, Köln, Germany

- 16:30–17:00 **Markus Dueringer** (Bluebee, Rijswijk, The Netherlands)
“From sequence to knowledge — New approaches in NGS-based diagnostics”
- 17:00–17:30 **Christian Schaaf** (Baylor College of Medicine, Houston, TX, USA)
“Schaaf-Yang syndrome — From disease gene discovery to therapeutic intervention”
- 17:30–18:00 **Narayanan Veeraraghavan** (Rady Children’s Hospital, San Diego, CA, USA)
“Building and scaling the world’s fastest whole-genome based clinical enterprise for pediatric intensive care applications”
- 18:00–18:30 **Frédéric Rieux-Laucat** (IMAGINE, Paris, France)
“Unraveling inborn errors in Autoimmune diseases: IntereSTING discoveries and FAScinating somatic mutations”

18:30–19:15 Keynote lecture by Eric Hoffman
(Binghamton University, Binghamton, NY, USA)

“From gene to therapeutics in DMD: detours, distractions, and delivery”

19:15–20:30 Buffet, Industrial Exhibition and Poster Viewing

20:30–21:30 Concert "Musik ist ein reines Geschenk Gottes!" (Martin Luther)

Lieder, Duette und Klaviermusik aus vier Jahrhunderten

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Saturday, October 7

8:30–10:00 Session 3 – Transcriptomics and RNA therapeutics

Session Chair: Peter Nürnberg, Cologne Center for Genomics, Köln, Germany

- 08:30–09:00 **Sebahattin Cirak** (University Children’s Hospital Cologne, Köln, Germany)
“Translational myology”
- 09:00–09:30 **Rhonda Bassel-Duby** (UT Southwestern Medical Center, Dallas, TX, USA)
“Hidden treasures and editing”
- 09:30–10:00 **Adrian R. Krainer** (Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA)
“Antisense modulation of RNA splicing: SPINRAZA as the first approved treatment for spinal muscular atrophy”
- 10:00–10:30 **Rene Ramseger** (Biogen, Ismaning, Germany)
“Experiences with Nusinersen in clinical trials and beyond”

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

11:00–13:00 Session 4 – Tackling genetic heterogeneity and clinical variability

Session Chair: Sebahattin Cirak, University Children’s Hospital and Center for Molecular Medicine Cologne, Köln, Germany

- 11:00–11:30 **Denny Schanze** (University Hospital Magdeburg, Magdeburg, Germany)
“Addressing heterogeneous genetic disorders using customized panels”
- 11:30–12:00 **Georg Hoffmann** (University Children’s Hospital Heidelberg, Heidelberg, Germany)
“Genomic precision medicine from diagnostics to therapy in monogenic metabolic disorders — Lessons from 80 years in phenylketonuria”
- 12:00–12:30 **Alexis Brice** (ICM - Hôpital Pitié Salpêtrière, Paris, France)
“The genetic landscape of Parkinson’s disease: multiple forms and different pathways”
- 12:30–13:00 **Lucy Raymond** (Cambridge Institute of Medical Research, Cambridge, UK)
“Next Generation Child; whole genome analysis in neonatal care”

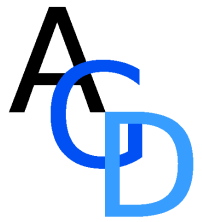
13:00–13:30 Oral presentations of poster prize winners

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

14:30–16:00 AGD General Assembly

16:00 End of Meeting

Genomic Medicine for Better Therapies
Arbeitsgemeinschaft für Gen-Diagnostik e.V.



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Enabling personalized medicine



MOLBIOL