

Friday, October 10

08:30 – 12:00	NGS-CN Final Project Meeting <i>Private session</i>
11:00 – 12:00	Screening of Posters in the Auditorium
12:00 – 13:00	Lunch Break and Opening of the Industrial Exhibition
13:00 – 13:15	Welcome and Opening of the Scientific Symposium
Next-Generation Sequencing Competence Network <i>Participants of the Annual AGD Meeting are welcome to join this session</i>	
13:15 – 16:30	Session 1: German NGS Competence Network <i>Chaired by Joachim Schultze, DZNE Bonn</i>
13:15 – 13:45	Innovative Research Projects and Impact Ezio Bonifacio, DcGc Dresden
13:45 – 14:15	Bioinformatics and Data Management Nicolas Casadei, NCCT Tübingen
14:15 – 14:45	Cooperation, Transfer & Dissemination Dagmar Wieczorek, Klaus Pfeffer, WGGC/GTL Düsseldorf
14:45 – 15:00	Biobreak
15:00 – 15:30	Future Prospects & Sustainable Success Michal-Ruth Schweiger, Thomas Krieg, WGGC/CCG Cologne
15:30 – 16:00	Leveraging Multiomics Data and AI to Accelerate Precision Medicine Samuel Kroll, Illumina <i>Sponsored Talk</i>
16:00 – 16:30	Sequencing by Expansion (SBX), a Versatile, High-Throughput Single Molecule Sequencing Technology for a Variety of Applications Bernd Timmermann, Roche <i>Sponsored Talk</i>
16:30 – 17:00	Coffee, Industrial Exhibition & Poster Viewing

Friday, October 10 – Continued

17:00 – 19:00	Session 2: Genomic Newborn Screening (gNBS) <i>Chaired by Peter Krawitz, IGSB Bonn</i>
17:00 – 17:30	Building the gNBS Roadmap: From Technical Feasibility to National Implementation Heiko Brennenstuhl, Uniklinikum Heidelberg
17:30 – 18:00	Update from the Generation Study: The Genomic Screening Study for Treatable Conditions in 100,000 Newborns in England Dalia Kasperaviciute, Genomics England UK
18:00 – 18:15	Helping to Transform Newborn Screening with PacBio Long-Read Sequencing Ligia Mateiu, PacBio <i>Sponsored Talk</i>
18:15 – 18:30	Biobreak
18:30 – 19:30	Keynote Lecture: Pros and Cons of DNA Testing in Public Health Newborn Screening Programs Martina Cornel, University Medical Center Amsterdam
19:30 – 22:00	Buffet, Opening Networking Mixer and Game Night

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Saturday, October 11

08:30 – 10:30	Session 3: From Health Data to Clinically Useful AI <i>Chaired by Sebahattin Cirak, Uniklinikum Ulm</i>
08:30 – 09:00	AlphaGenome: Advancing Regulatory Variant Effect Prediction with a Unified DNA Sequence Model Jun Cheng, DeepMind London
09:00 – 09:30	Explainable AI in Oncology: crossNN for Robust DNA Methylation-Based Tumor Diagnosis Sören Lukassen, BIH Charité Berlin
09:30 – 09:45	Breaking Through Bias to Redefine Precision in Small RNA Library Prep Alicia He, New England Biolabs <i>Sponsored Talk</i>
09:45 – 10:15	Predicting Epilepsy with Large-Scale Clinical Data Henrike Heyne, Hasso-Plattner-Institut Leipzig
10:15 – 10:45	DNA language models to understand the biology of genomes Anna Poetsch, TU Dresden
10:45 – 11:00	The Power of Positive: TAPS Methylation Analysis Unlocks Comprehensive Tumor Multiomics Rajat Roy, Watchmaker <i>Sponsored Talk</i>
11:00 – 11:45	Coffee, Industrial Exhibition and Poster Viewing
11:45 – 13:00	Session 4: Update MV-GenomSeq –Status and Outlook <i>Chaired by Jean Tori Pantel, RWTH Aachen</i>
11:45 – 12:45	Panel discussion following impulse presentations
12:45 – 13:00	Automating NGS Library Prep on firefly^â - Higher Throughput, Lower Complexity, Superior Data Quality Jing Zhang, SPT Labtech <i>Sponsored Talk</i>
13:00 – 16:00	Closing, Buffet and Industrial Exhibition
13:30 – 14:45	Oral Presentations of Poster Prize Winners 2024 and Awards 2025 <i>Chaired by Jean Tori Pantel, RWTH Aachen</i>
14:45 – 15:00	From Sample to Discovery: Harnessing the 10x Genomics Toolkit Salma Pathan, 10x Genomics <i>Sponsored Talk</i>
15:00 – 16:00	AGD General Assembly

Arbeitsgemeinschaft für Gen-Diagnostik e.V.



Annual AGD Meeting 2025 Guthrie's Next March: Towards Genomic Newborn Sequencing

October 10 - 11

Next-Generation Sequencing Competence Network



Final Meeting 2025

October 10