

Program of the Annual AGD Meeting 2021, Bonn Dec. 09-10

Thursday, December 09

12:00–12:45	Lunch Break and Opening of the Industrial Exhibition
12:45–13:00	Welcome and Opening of the Scientific Symposium
13:00–15:30	German NGS competence centers (session 1) <i>Session Chair: Joachim Schultze, DZNE, Germany</i>
• 13:00–13:30	Nikolay Ninov (Center for Regenerative Therapies, Dresden) Towards <i>in vivo</i> regeneration of beta-cells as a future therapy for T1D
• 13:30–14:00	Philip Rosenstiel (Institute for Clinical Molecular Biology, Kiel) System Immunology of Inflammatory Disorders – one cell at a time
• 14:00–14:30	Joachim Schultze (DZNE, Bonn) Swarm Learning for decentralized and confidential clinical machine learning
• 14:30–15:00	Yogesh Singh (NGS Competence Center, Tübingen) Single cell view of the immune response in COVID-19 vaccinated individuals
• 15:00–15:30	Jochen Seggewiss (Twist Biosciences) One step ahead - Fast & flexible NGS solutions for FFPE- and cfDNA Michael Papen (comma-soft) Talk title
15:30–16:00	Coffee Break, Industrial Exhibition and Poster Viewing
16:00–18:00	New targeting approaches (session 2) <i>Session Chair: Peter Krawitz, University Hospital Bonn</i>
• 16:00–16:30	Hildegard Büning (Hannover Medical School, Hannover) Gene therapy from concept to proof
• 16:30–17:00	Dimitrios Wagner (Charité University Medicine Berlin) Engineering designer immune cell therapies with CRISPR-Cas gene editing
• 17:00–17:30	Eva Rettinger (University Hospital Frankfurt) CAR-T cell therapy in children with ALL: Current Status and Perspectives
• 17:30–18:00	Mario Avarello (TaKaRa) ICELL 8 system for single-cell NGS workflows Wolfgang Schiefer (10x Genomics) Talk title
18:00–19:00	Buffet, Opening Networking Mixer (exhibitors are invited)
19:00–20:00	Keynote lecture by Paolo Martini, SCO of Moderna mRNA as a platform for different therapeutic areas
20:00–21:00	Klaversonaten, Ludwig van Beethoven (Soheil Nasseri)
21:00–22:00	Antiviral cocktails at the Bar

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9:00–11:00 Identification of patients with treatable causes (session 3)

Session Chair: Ingo Kurth, University Hospital Aachen

- 09:00–09:30 **Peter Krawitz** (University Hospital Bonn, Germany)
A tiered diagnostic system for patients with ultra-rare disorders on a national scale
- 09:30–10:00 **Dieter Beule** (Berlin Institute of Health, Germany)
VarFish - Collaborative Exome Analysis
- 10:00–10:30 **Daniel Scherman** (Foundation for Rare Disease FRRD, France)
New genetic and repositioning therapies for rare diseases
- 10:30–11:00 **Heiko Krude** (Charité University Medicine, Germany)
Unsolved cases in the nationwide RD-Dx-effort: Need for registries

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

11:30–13:30 New therapies for genetic disorders (session 4)

Session Chair: Sebahattin Cirak, University Hospital Cologne

- 11:30–12:00 **Janbernd Kirschner** (University Hospital Bonn, Germany)
Gene therapy for spinal muscular atrophy - opportunities and challenges
- 12:00–12:30 **Daniel Ibrahim** (Max Planck Institute, Berlin, Germany)
Linking three-dimensional chromatin structure to gene regulation in development and disease
- 12:30–13:00 **Clara Karnebeek** (University of British Columbia, Canada)
Therapies for inherited metabolic disorders: What's new in 2021?
- 13:00–13:30 **Florian Kraft & Alexander Vogel** (RWTH, Aachen & Oxford Nanopore)
Nanopore Update: Advances and Applications (sponsored talk)

13:30–14:00 Oral presentation of poster prize winners

14:00–16:00 Buffet, Industrial Exhibition

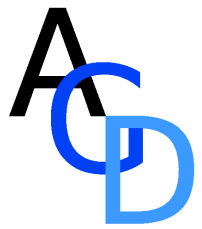
14:30–16:00 AGD General Assembly

16:00 End of Meeting

19:00 Speakers Dinner

Genomics paves the way to therapy

Arbeitsgemeinschaft für Gen-Diagnostik e.V.



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Venue – Universitätsclub Bonn, e.V. Konviktstraße 9, 53113 Bonn, Tel. 0228-72960

Registration – Online at <https://www.agdev.de/tagung2021.html> , on-site registration will not be possible this year!

Fees – 100€ for non AGD Members, 35€ for students, 0€ for students with accepted abstract, 0€ for AGD members.