

Program of the Annual AGD Meeting 2022

October 06 – 07, Bonn

Annual AGD Meeting 2022: “Genomic Health and the Blockchain” – Day 1

Thursday, October 6

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| 11:00–12:00 | Screening of Posters in the Auditorium |
| 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 | Lukas Schmitt (Dresden-concept Genome Center, Dresden)
Prediction of designer-recombinases for DNA editing with generative deep learning |
| • 13:30–14:00 | Joana Bernandes (Competence Centre for Genomic Analysis, Kiel)
Precision medicine: Cell-resolved approaches to understand complex immune disorders |
| • 14:00–14:30 | Dennis Lal (West German Genome Center, Cologne)
Comprehensive genomic biomarker discovery in patients with common and rare epileptic brain lesions |
| • 14:30–15:00 | Fubo Cheng (NGS Competence Center Tübingen, Tübingen)
Systematic approach to decipher gene regulatory mechanism |
| • 15:00–15:30 | Michael Papen (CommaSoft, Germany)
Accelerate Research with FastGenomics |
| 15:30–16:00 | Coffee Break, Industrial Exhibition and Poster Viewing |
| 16:00–17:00 | Wolfgang Prinz (Vice Chair Fraunhofer FIT)
Blockchain – more than just crypto coins |
| 17:00–19:00 | Blockchain in Healthcare (session 2)
<i>Session Chair: Peter Krawitz, University Hospital Bonn</i> |
| • 17:00–17:30 | TJ Yoon (medibloc, South Korea)
How to own your health data on the blockchain |
| • 17:30–18:00 | David Lazerson (Briya, Israel)
Platform for end-to-end decentralized data retrieval |
| • 18:00–18:30 | Hartmut Schultze (Hewlett Packard Enterprise, Germany)
Security in medical data – the next level |
| • 18:30–19:00 | Anna Graf (Bertelsmann, Hamburg, Germany)
NFTs democratized the art market. What about healthcare? |
| 19:00–20:00 | Buffet, Opening Networking Mixer (exhibitors are invited) |
| 20:00–21:00 | Panel Discussion about Blockchain Applications in the Clinic
Graf, Prinz, Lazerson, Schultze, TJ Yoon |



Annual AGD Meeting 2022: “Genomic Health and the Blockchain” – Day 2

Friday, October 7

9:00–11:00

AI in Clinical Applications (session 3)

Session Chair: Ingo Kurth, University Hospital Aachen

- 09:00–09:30 **Tzung-Chien Hsieh** (University Hospital Bonn, Germany)
GestaltMatcher: Next-generation phenotyping on medical imaging data of patients with rare disorders
- 09:30–10:00 **Behnam Javanmardi** (University Hospital Bonn, Germany)
Bone2Gene – AI for skeletal malformations
- 10:00–10:30 **Nikolas Pontikos** (Institute of Ophthalmology, UCL, London)
Eye2Gene – prediction of inherited retinal disease with AI
- 10:30–11:00 **Jan Kirchhoff** (medicalvalues, Germany)
A software platform for diagnostic pathways and data enrichment

11:00–11:30

Coffee Break, Industrial Exhibition and Poster Viewing

11:30–13:30

Outreach and Creative Destruction of Medicine (session 4)

Session Chair: Sebahattin Cirak, University Hospital Ulm

- 11:30–12:00 **Matthias Becker** (DZNE, Germany)
How to build a good swarm experiment
- 12:00–12:30 **Silvan Mertes** (Chair of Human-Centered Artificial Intelligence, Augsburg)
Explainable AI by counterfactual GANs
- 12:30–13:00 **Shahida Moosa** (Stellenbosch University, Cape Town, South Africa)
Genetics in Africa: Myths, challenges, and triumphs
- 13:00–13:30 **Ben Solomon** (Clinical Director of National Human Genome Research Institute, US)
The educational value of styleGANs

13:30–14:15

Oral Presentations of Poster Prize Winners 2021 & Awards 2022

14:15–16:00

Buffet, Industrial Exhibition

14:45–16:00

AGD General Assembly

16:00

End of Meeting

19:00

Speakers' Dinner im Nees

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