

Mainz, Tuesday 23rd June

Long-read Meetup

Academia × Industry

ORGANISER

Stefan Pastore &
Prof Dr Susanne Gerber
Johannes Gutenberg-University Mainz
University Medical Center Mainz

Dr Rainer Lowack
Institute for Quantitative &
Computational Biosciences

Dr Andre Holzer-Rosenhauer
Holzer Scientific Consulting GmbH

Location: *Stiftungshaus, Room STH 02 (00 106) and Foyer, Johann-Friedrich-v.-Pfeiffer-Weg 2, Mainz*

09:00 am **Welcome Reception**

09:20 am **Technical Updates from London Calling 2026**

Dr Hassan Ahmadi & Michael Jansen, Oxford Nanopore Technologies

09:45 am **Native RNA Sequencing and Base Modifications**

Transcriptomic m6A methylation and liquid-liquid phase separation: Overview and initial data

Prof Dr Joerg Grigull, York University, Toronto, Canada

DMode: A unified framework for Differential Modification and Expression Analysis of Nanopore direct RNA-seq data

Johannes Miedema, University Medical Center Mainz

10:40 am **Coffee Break**

11:10 am **Long Read PCR meets ONT - A long and winding road to IVDR**

Katrin Wehmeier, Bio-Techne

11:30 am **Metagenomics**

Seasons of Resistance: How spatial variation Shapes the Wastewater Resistome

Dr Kanchan Samadhiya, Leibniz University Hannover

Microbelix: Bringing Citizen Science and Oxford Nanopore Technologies Together to Explore Soil Microbial Diversity

Guangyi Chen, Helmholtz Institute for Pharmaceutical Research Saarland (HIPS)

12:20 pm **Lunch Break**

01:20 pm **From Match to Monitoring:
The Power of ONT in Transplant Diagnostics**

Kira Takun, Eurobio Scientific Group

01:45 pm **Functional Genomics**

Genomic expansion unveils a rich reservoir of taxonomic and biosynthetic diversity in the Myxococcota phylum

Amay, Agrawal, Helmholtz Institute for Pharmaceutical Research Saarland (HIPS)

Toward understanding postreplicative repair using long-read sequencing

Dr Ronald Wong, Institute of Molecular Biology, Mainz

02:35 pm **The IQCB and Predictive Modeling in the Age of Long-Read Sequencing**

Dr Rainer Lowack, IQCB Mainz

03:00 -

04:00 pm **Coffee & Networking**

