



DNA Mitteldeutschland - Workshop

Thursday, May 7th, 2026, // Leibniz-IPHT, Albert-Einstein-Straße 9, 07745 Jena

12:30-13:00 – Arrival & Get Together

13:00

Welcome // Wolfgang Fritzsche

Ilko Bald (Uni Potsdam) - *Keynote* -
Optical sensing using DNA origami nanostructures

Sanskruiti Bhoir (Uni Bologna)
Molecular Detection using Lateral Flow Assay (LFA) technology

Baihui Li (Jena)
Development of single and multiplex Readout Devices for LSPR-Sensing

BREAK

14:30

Florian Seier (Jena)
LED-based localized surface plasmon resonance spectrometry utilizing DNA-based recognition elements for detecting antimicrobial resistance genes

Raufar Shameen (HZDR)
Electrical characterization of metallic wires via DNA-assisted lithography

Thiwangi Rajapaksha (Jyväskylä)
Increasing the domain size of DNA origami lattices on silicon

Heini Järvinen (Jyväskylä)
Towards metasurfaces by DNA-assisted lithography

