

Seminar DNA Mitteldeutschland 2022-08-26



Agenda

updated 25.08.2022 (PZ)



Date Friday, 26 Aug 2022, 11:00 - 17:00

Location HZDR, 106/255 (Hörsaal)

| Start | Speaker | Duration (min) | Title | Notes |
|------------|----------------------------------|----------------|--|--|
| from 10:00 | | | Arrival / Welcome Coffee | in front of Lecture Hall |
| 11:00 | Artur Erbe (HZDR, Host) | 10 | Welcome | |
| 11:10 | Kosti Tapio (Univ Jyväskylä) | 15+5 | The three challenges of DNA Assisted Lithography | |
| 11:30 | Roman Gossmann (IZI Leipzig) | 15+5 | Evaluating the binding of sugar-DNA constructs to bacteria | |
| 11:50 | Daniel Moreno Soto (IZI Leipzig) | 15+5 | Profiling of a dsDNA 60-mer with different phosphorothioate modifications: stability and effects on cell proliferation | |
| 12:10 | Beatrise Berzina (IPF Dresden) | 15+5 | VirChip: point-of-need isothermal RNA/DNA detection | |
| 12:30 | Florian Seier (IPHT Jena) | 15+5 | LSPR for antibiotic resistance gene detection and real-time observation of G-wire growth | |
| 12:55 | | | Group Photo - outside on the campus side | |
| 13:00 | | 60 | Lunch | Canteen (Voucher), Coffee in front of Lecture Hall |
| 14:00 | Mina Yesilyurt (IPHT Jena) | 15+5 | DNA origami-assisted unidirectional plasmonic nanoantennas | |
| 14:20 | Yuya Kanehira (Univ Potsdam) | 15+5 | A versatile DNA origami based plasmonic substrate for single molecule detection | |
| 14:40 | Amr Mostafa (Univ Potsdam) | 15+5 | DNA 3-periodic weaving | |
| 15:00 | | 30 | Coffee Break | |
| 15:30 | Borja Rodriguez-Barea (HZDR) | 15+5 | Metallic nanowires assembled by DNA origami | |
| 15:50 | Charlotte Kielar (HZDR) | 15+5 | AFM-assisted DNA origami patterning for lipid nanodisc studies | |
| 16:10 | Daniel Dornbusch (HZDR) | 15+5 | Anion-Specific Structure and Stability of Guanidinium-Bound DNA Origami | |
| 16:30 | Christoph Hadlich (Univ Leipzig) | 15+5 | Heavy metal increased heat stability of DNA origami nanostructures | |
| 16:50 | | 10 | Summary, Announcements, Next activities | A. Erbe |
| 17:00 | | | End | |