



DNA Mitteldeutschland

19. 5. 2016

Leibniz IPHT Jena (Beutenberg Campus)

12:00

Thuringian Barbecue

(cont.)

Bastian Joffroy, cfaed Dresden

Length dependent amplification

bias in rolling circle amplification

13:00

Opening: Wolfgang Fritzsche (IPHT)

Coffee break

Lectures:

Danny Porath, Hebr. Univ. Jerusalem

*The history of electrical transport
measurements in DNA*

Jussi Toppari, Univ. Jyväskylä

*Dielectrophoretic trapping and
conductivity measurements of
different DNA-constructions*

ca. 15:30

Christin Möser, IZI Leipzig

*Impeding virus particles with
peptide-conjugated DNA
nanostructures*

Tina Händler, IZI Leipzig

*Mesh size of DNA nanotube
networks*

Florian Engert, Uni Leipzig

*Combination of Layer-by-Layer
Microcarriers and DNA Origami*

Dominik Kauert, Uni Leipzig

*Towards the Application of Next
Generation Sequencing for a
Quantitative Analysis of DNA
Origami Quality*

Coffee break

Short presentations (ca. 10 min each):

ca. 14:15

Johanna Langner, IPHT

*Functionalized DNA-origami for
photonic devices*

Nayan Agarwal, cfaed Dresden

*Stabilization of DNA origami by
block copolymers*

Michael Matthies, cfaed Dresden

*Triangulated single-stranded tile
structures*

Yavuz Uca, cfaed Dresden

*Facilitated oligonucleotide
production from oligonucleotide
libraries*

Saminathan Ramakrishnan, Uni Paderborn

*Directed protein adsorption
through DNA origami mask*

Lydia Olejko, Uni Potsdam

*Switchable photonic wires on DNA
origami*

Christian Heck, Uni Potsdam

*Self-assembled gold nanolenses for
SERS*

Ca. 17:00 End

