



cni | combinatorial
neuroimaging



LIN

LEIBNIZ-INSTITUT
FÜR NEUROBIOLOGIE
MAGDEBURG

Imaging Techniques in Cell Biology

From single molecules to subcellular compartments

September 28, 2018, 9 a.m. – 2:30 p.m.

ZENIT I, Leipzigerstr. 44, 39120 Magdeburg

Organized by:

Martin Heine, Oliver Kobler, Torsten Stöter, Werner Zuschratter

Registration free of charge: www.lin-magdeburg/cni

09:00 – 09:05 a.m.

Welcome

CNI, Leibniz Institute for Neurobiology

09:05 – 09:40 a.m.

Focussing on mitochondria with STED nanoscopy

Stefan Jakobs, MPI Biophysical Chemistry Göttingen

09:40 – 10:15 a.m.

Superresolution Microscopy Images: what they tell us – and what they don't

Gerhard Schütz, Institute of Applied Physics, Vienna University of Technology

10:15 – 10:50 a.m.

In vivo biosensors for functional analysis of host-pathogen interaction dynamics

Andreas Müller, Medical Faculty, Otto von Guericke Univers. Magdeburg

10:50 – 11:20

Coffee break

11:20 – 11:55 a.m.

FLIM – A tool to study protein interaction and complex formation in living cells

Stefanie Weidtkamp-Peters, Center of Advanced Imaging, Heinrich Heine Univers. Düsseldorf

11:55 – 12:30 a.m.

A Chemical Toolbox for Labelling, Visualization and Manipulating Biological Function

Johannes Broichhagen, Dept. of Chemical Biology, MPI Medical Research Heidelberg

12:30 – 1:20 p.m.

Lunch break

1:20 – 1:55 p.m.

Imaging at the nanoscale within live brain tissues

Laurent Cognet, Institut d'Optique, Univ. Bordeaux

1:55 – 2:30 p.m.

All-optical-Imaging and Stimulation of Neural Circuits

Matthias Prigge, Dept. of Neurobiology, Weizmann Inst. of Science, Rehovot

2:30 p.m.

Discussion and concluding remarks



GERMAN NEUROSCIENCE
SOCIETY (GNS)

