



Technische
Universität
Braunschweig

4th


BRAINS

WICK *Symposium*

Schedule

October 21st, Monday

	14.00 - 14.15	Welcome address
Iordania Constantinou TU Braunschweig	14.15 - 15.00	Microfabricated platforms for single cell and tissue analysis
Benjamin Judkewitz Charité Berlin	15.00 - 15.45	Danionella translucida – wired for optical investigation
	15.45 - 16.15	Coffee break
German Sumbre ENS Paris	16.15 - 17.00	Whole-brain neuronal activity displays crackling noise dynamics in the zebrafish larva
Alexander Heisterkamp University of Hannover	17.00 - 17.45	Optical stimulation of neurons, muscle cells and beyond
Gregor Scholz TU Braunschweig	17.45 - 18.15	Continuous Live-Cell Culture Monitoring by Compact Lensless LED Microscopes
	18.15 - 19.00	Poster session

October 22nd, Tuesday

Peter Walla TU Braunschweig	09.00 - 09.45	Insights into the molecular mechanisms of neuronal signal transmission and spine morphology by two-photon fluorescence correlation spectroscopy
Christine Rose HHU Düsseldorf	09.45 - 10.30	Cellular Ion Homeostasis: Role of Astrocytes under Physiological and Pathophysiological Conditions
Abhisarika Patnaik TU Braunschweig	10.30 - 11.00	New roles of immunomodulatory drug- Fingolimod in healthy and diseased states
	11.00 - 11.30	Coffee break
Norbert Brüggemann University of Lübeck	11.30 - 12.15	Effects and mechanisms of neurostimulation in human movement disorders
Jakob von Trotha TU Braunschweig	12.15 - 12.45	NeuroExaminer: a microfluidic device for whole-brain in vivo imaging
	12.45 - 13.15	Closing notes

