Schedule - 7th BIGS Neuroscience Summer School (8th – 17th May 2023), DZNE

	Day 1 (8/05) **Psychology**	**Day 2 (9/05)** **The Human**	**Day 3(10/05)** **Development and Degeneration**	**Day 4 (11/05)** **Electrophysiology & Imaging**	**Day 5 (12/05)** **Circuits & Perception**	**Day 6 (15/05)** **Behaviour & Computation**	**Day 7 (16/05)** **Developmental and Cellular Neuroscience**	**Day 8 (17/05)** **Neurons and glia**
Start: 9:00	9:00 **Martin Fuhrmann** Introduction ——— 9:15-10:15 **Cornelia McCormick** Human Hippocampal Memory Research	9:00-10:15 **Florian Mormann** Extracellular Electrophysiology in Humans: Cognitive Adventures of Single Neurons in the Medial Temporal Lobe	9:00-10:00 **Sandra Blaess** Neuronal Specification and Differentiation 10:15-11:15 **Ayse Ulusoy** Parkinson's disease: a historical perspective	9:00-10:00 **Tobias Rose** 10:15-11:15 **Heinz Beck** *In vivo* Imaging Approaches	9:00-10:00 **Jan Gründemann** Electrophysiology 10:15-11:15 **Marcel Oberländer** Structural and Functional Principles of Cortical Circuit Organization	9:00 - 10:15 **Sabine Krabbe** Neural Microcircuits for Learning	9:00-10:15 **Frank Bradke** Regeneration in the Nervous System	9:.00-10:15 **Annett Halle**
	10:45-12:00 **Alexandra Philipsen** Clinical Trials in Personalized Medicine in Psychiatry 12:00-12:15 **Matthias Kurz** Safety instructions for DZNE labs	10:45-12:00 **Tony Stöcker** Challenges and Potential of Ultra-High Field Neuro-MRI 10:30-11:40 12:00-12:15 **BIGS Neuroscience** Student Council	11:30-12:30 **Eckhard Mandelkow** Tau and Neurodegenerative Tauopathies	11:30-12:30 **Martin Fuhrmann** Optogenetics and Manipulation of Neural Circuits	11:30-12:30 **Pascal Malkemper** The Neural Basis of Magnetic Orientation in Vertebrates	10:45-12:00 **Monika Scholz** Behaviour and its neural representation	10:45-12:00 **Carmen Ruiz de Almodovar** The CNS vasculature: development and function **Anne Boehlen** NeurotechEU **Student council** NeurotechEU	10:45-12:00 **Susanne Schoch-McGovern** Synaptic Function and Structure **Concluding Remarks**
[12:30 - 14:00]	**Break**	**Break**	**Break**	**Break**	**Break**	**Break**	**Break**	**Break**
[14:00 - 16:30]	**Lab visits**	**Lab visits**	**Lab visits**	**Lab visits**	**Lab visits**	**Lab visits**	**Lab visits**	**Lab visits**