

Schedule - 3rd BIGS Neuroscience Summer School (06th-15th May 2019)

	Day 1 (06/05) Molecular biology & genetics	Day 2 (07/05) Cellular neuroscience	Day 3 (08/05) Disease	Day 4 (09/05) Circuits	Day 5 (10/05) Functional imaging & optogenetics	Day 6 (13/05) Electrophysiology	Day 7 (14/05) Population studies	Day 8 (15/05) Growth & Regeneration, Auditory Processing
LECTURE 1 [8:30 -10:00]	Gaia Tavosanis Introduction Sandra Blaess Neuronal specification and differentiation	Susanne Schoch-McGovern Synaptic function and structure	Donato Di Monte Parkinson's disease: a historical perspective	Marcel Oberländer Structural and functional principles of cortical circuit organization	Heinz Beck In vivo imaging approaches	Tony Kelly Introduction to electrophysiological recordings	Bernd Weber/ Johannes Schultz Social neuroscience	9:30 – 11:00 Frank Bradke Regeneration in the nervous system
Coffee Break [10:00 - 10:30]								11:00 - 11:30
LECTURE 2 [10:30 - 12:00]	Michael Pankratz Neural circuit analysis in Drosophila	Pietro Pilo Boyl Genetic tools for Neurobiology	Eckhard Mandelkow Tau and neurodegenerative tauopathies	Kevin Briggman Cellular resolution connectomics for mapping synaptic connectivity	Martin Fuhrmann Optogenetics and manipulation of neural circuits	Florian Mormann Extracellular electrophysiology in humans: Cognitive adventures of single neurons in the medial temporal lobe	Ulrich Ettinger Experimental Cognitive Psychopharmacology	11:30 -12:30 LECTURE HALL Benedikt Grothe Division of Neurobiology Department Biology II Ludwig-Maximilians-Universität München Max Planck Institute of Neurobiology Martinsried
Lunch & travel [12:00 - 13:30]	@ DZNE	@ DZNE	@ DZNE	@ DZNE	@ DZNE	@ DZNE	@ Study Center (Beuel)	@ DZNE 12:30 - 13:30
EXPERIMENTS [13:30 - 18:30]	Blaess (3) Capasso (5) Halle (4) Harmening (4) Tavosanis (3) Vorberg (6)	Bano (6) Capasso (5) Lee (2) 14:00 Schoch-McGovern (2) Stöcker (4) 15:00 Till (5)	Bano (6) Di Monte (4) Ehninger (2) Odermatt (4) Peitz (4) Till (5)	Beyer (4) Briggman (4) Fuhrmann (6) Oberländer (2) Schneider (4) Schnell (2)	Baader (2) Fuhrmann (6) Oberländer (2) Remy (5) Sylvester (8)	Baader (2) Beck (4) Berger (3) Ettinger (4) Henneberger (3) Kubitscheck & Schwarz (4) Steinhäuser (4) Weber (4)	Rhineland study center (Beuel) LECTURE by Dr. Antonio Schmandke and guided tour	Starting at 14:00! Bennewitz (2) Bradke (4) Ettinger (4) Kubitscheck & Schwarz (4) Odermatt (4) Steinhäuser (4) + Meetings with Benedikt Grothe
Evening 20:00					<i>Pub Crawl with BIGS students</i>		<i>The Night Watchman Tour of Bonn</i>	