Plan: lecture / course block, 6th – 21st of February 2012

1st week (06.-10.02.)

date	*time*	*lecture:*	*tutorial/ course:*		*place*
Mon **06.02.**	11:00-12:00	Methodological bases I: Acquisition of experimental data and their processing		**J. Käs**	Fakultät für Physik und Geowiss., Seminarraum 225
	13:00-17:00	Biomedical statistics		*Guest:* **Dr. Hasenclever**	IMISE, Seminarraum 110
Tue **07.02.**	09:00-11:00	Cellular functions in the CNS: Electrophysiology and neuronal information processing		**R. Rübsamen**	Kl. HS, Inst. Biol.
	14:30-17:00	Methodological bases III: Biophysical methods: Atomic force microscopy/ Optical stretcher/ Rheometry		**J. Käs**	Fakultät für Physik und Geowiss., Seminarraum 225
Wed **08.02.**	9:00-11:00		Brain dissection course (human brain) and vital imaging (magnetic resonance imaging [MRI])	**T. Arendt/ M. Morawski**	PFI Konferenzraum
	11:00-12:00	Methodological bases II: Mathematical modeling of biological processes		**J. Jost**	Sportwiss. Fakultät, SR 12
	13:00-15:00	Methodological bases III: Biophysical methods: Laser technologies		**J. Käs**	Fakultät für Physik und Geowiss., Seminarraum 225
	15:30-17:00	Mechanisms of pain perception		**M. Schaefer**	RBI, Seminarraum 429
Thu **09.02.**	09:00-11:00		Brain dissection course: Pathology **!Please bring white coats – otherwise no permission to participate!** *(alternative date: 16.02.2012)*	*Guest:* **W.Schober**	Sektionssaal, Haus 18, Patholog.Institut, Klinikum St. Georg
	13:00-14:00		Introduction to nuclear spin tomography of the brain	**A. Villringer**	MPI CBS, Wilhelm Wundt Raum (4th floor)
	14:30-17:00	Phylogeny and ontogenesis of the CNS		**A. Reichenbach/ A. Robitzki**	
Fri **10.02.**	09:00-12:00		Microscopy course: Morphology and cytochemistry of neurons of CNS	**T. Arendt/ M. Morawski**	PFI, Konferenzraum
	13:00-14:00	Cellular Systems of CNS: Neurons, glia and vessels		**I. Bechmann**	PFI, Konferenzraum
	14:30-17:00		Special microscopic techniques: Confocal / 2-photon microscopy	**J. Hirrlinger**	PFI, Konferenzraum

2nd week (13.-17.02.)

Mon 13.02.	09:00-11:00		Standard methods in neurological diagnostics	**J. Claßen**	Inst. Biol., Kl. HS
	11:15-12:00	Mathematical methods for complex systems		**J. Jost**	Inst. Biol., Kl. HS
	13:00-14:00	*Seminar*: scientific/ experimental ethics		*Guest:* **O. Riha**	Inst. Biol., Kl. HS
	14:30-17:30	Brain: Pathology and clinics		**A. Villringer**	Inst. Biol., Kl. HS
Tue 14.02.	09:00-12:00		Basic course electrophysiology 1: Intracellular and patch-clamp-investigations *in vitro*	**T. Pannicke**	PFI (4th floor), R410
	13:00-14:00	Cellular functions in the CNS: Molecular biochemistry		**T. Arendt**	Inst. Biol., Kl. HS
	14:30-17:30		Basic course electrophysiology 2: Extracellular measurements *in vivo;* Ca^{2+}-imaging	**R. Rübsamen**	Inst. Biol., Labor R078
Wed 15.02.	09:00-12:00	Ultra-structure of the CNS	electron microscopy: Demonstration	**I. Bechmann**	Institute of Anatomy, Foyer
	13:00-14:00		Neural biohybrid biosensors: Demonstration	**A. Robitzki**	BBZ, Laborbreich A. Robitzki (4 th floor)
	14:30-15:40	Basics of image processing in the sciences		**J. Grosche**	Inst. Biol., Kl. HS
	15:50-17:00	Functional glia-neuron-interactions		**A. Reichenbach**	Inst. Biol., Kl. HS
Thu 16.02.	09:00-12:00	*Alternative date for* Brain dissection course: Pathology (09.02.2012, W. Schober)			
	13:00-15:30	Sensory systems		**M. Grunwald/ A.Reichenbach**	PFI, Konferenzraum
	16.00-17:00	Betrug in der Wissenschaft - das Problem und eine Lösung		*Guest:* **H. Rehm**	PFI, Konferenzraum
	18:00	Joint evening event			
Fri 17.02.	09:00-12:00	Sensorimotor integration, motor control and movement disorders		**J. Claßen**	HS Kopfkliniken
	13:00-14:00		Electrophysiology and imaging techniques in ophthalmology	**H. Tegetmeyer**	HS Kopfkliniken

3rd week (20.-21.02.)

Mon **20.02.**	09:00-10:30	Molecular physiology of synapses		**I. Milenkovic**	PFI, Konferenzraum
	10:30-12:00	Brain: Pathology and clinics		**T. Arendt**	PFI, Konferenzraum
	13:00-14:00	Retina: Pathology and clinics		**H. Tegetmeyer**	PFI, Konferenzraum
	14:30-15:30	Neurobiology of affective disorders		**U. Hegerl**	PFI, Konferenzraum
Tue **21.02.**	10:00-13:00	Pharmacology of the CNS		**M. Schaefer**	PFI, Konferenzraum
	15:00-16:00		Clinical studies: Realization, evaluation and problems	*Guest:* **O. Brosteanu**	PFI, Konferenzraum
	16:00-16:15	Farewell – official end		**A. Reichenbach**	PFI, Konferenzraum

List of abbreviations

BBZ	Center of Biotechnology and Biomedicine, Deutscher Platz 5
CLI	Carl-Ludwig-Institute for Physiology, Liebigstr. 27
Fakultät für Physik und Geowiss.	Fakultät für Physik und Geowissenschaften, Seminarraum 225, Sockelgeschoss, Linnéstr. 5
HS Kopfkliniken	Universitätsklinikum Leipzig, Hörsaal der Kopfkliniken , Liebigstraße 14
IMISE	Institut für Medizinische Informatik, Statistik & Epidemiologie, Härtelstr. 16-18
Inst. Biol., Kl. HS	Kleiner Hörsaal, Institute of Biology, Talstraße 33
Institute of Anatomy, Foyer	Faculty of Medicine, Institute of Anatomy, Liebigstr. 13, please wait in the foyer, you will be picked up
MPI CBS	Max Planck Institute for Human Cognitive and Brain Sciences, Stephanstrasse 1a
Klinikum St. Georg	Pathologisches Institut, Haus 18, Delitzscher Straße 141 (see map)
PFI	Paul Flechsig Institute for Brain Research, Jahnallee 59
RBI	Rudolf-Boehm-Institut für Pharmakologie und Toxikologie, Seminarraum 429, 4th floor, Härtelstr. 16 - 18
Sportwiss. Fakultät, SR 12	Sportwissenschaftliche Fakultät, SR 12, Jahnallee 59

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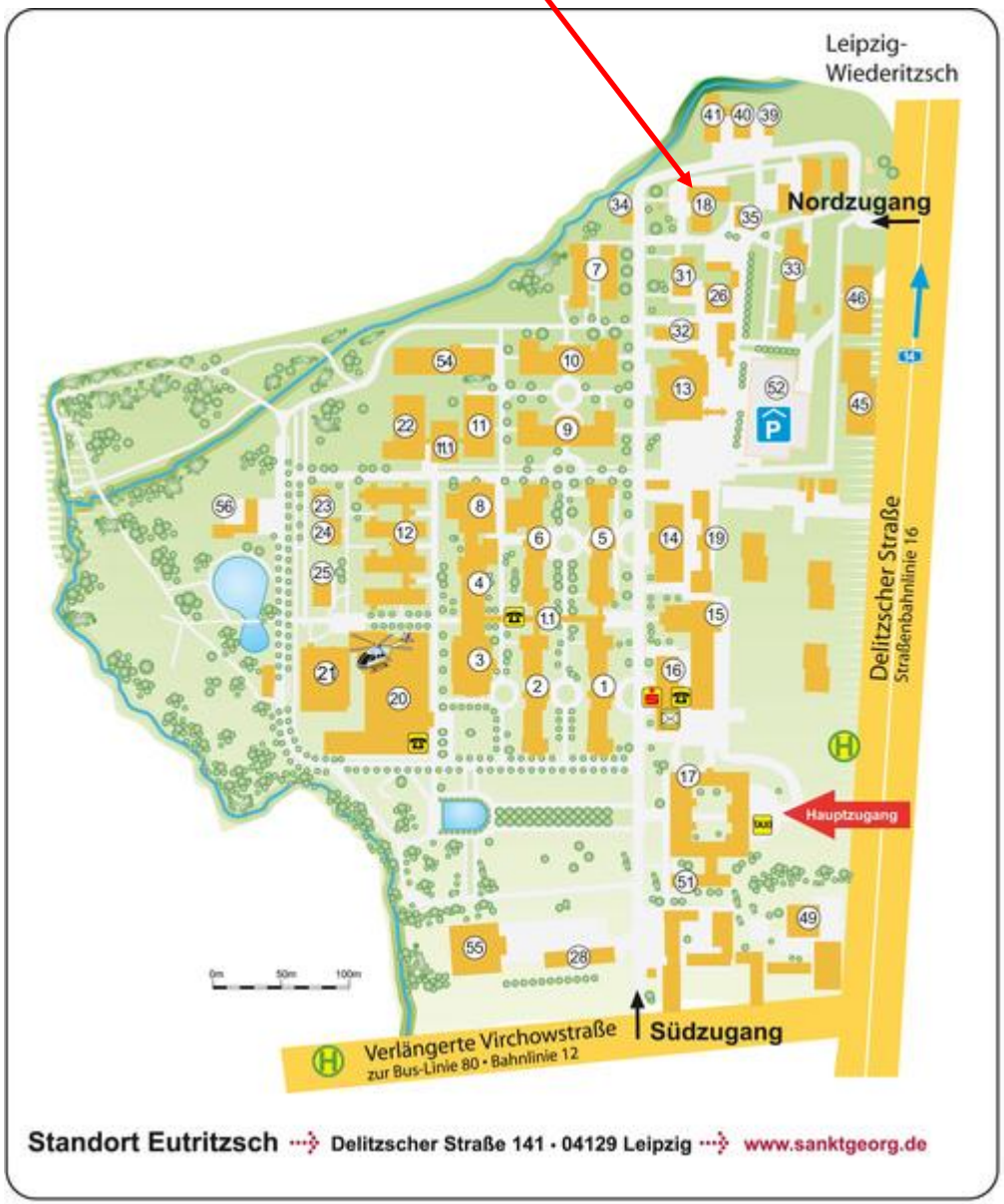

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