Neuroscience Study Program 2024/2025

last update: 10 January 2025

Block A (M.Neuro.11, M.Neuro.12, M.Neuro.16, M.Neuro.21, M.Neuro.23, M.Neuro.31): Neuroanatomy and Development

W 1	Mon 30 Sept	Tue 01 Oct	Wed 02 Oct	Thu 03 Oct	Fri 04 Oct
9:00-10:30	SELF STUDY	L: Sensory Systems (Möck) – ENI	T: Sensory Systems (Möck) – ENI	**Holiday (German Unification Day)**	SELF STUDY
10:45-12:15	**10:00 – 12:00** L: Introduction Neuroanatomy and CNS (Chao) – ENI	L: Histology & Cytology (Dresbach) – ENI	T: Histology & Cytology (Dresbach) – ENI		
14:00-18:00	**13:00-16:00** L/T: Neuroanatomy and CNS (Chao) – ENI	**13:30-18:00 (optional)** L/C: Intro Histology & Cytology (Chao/Palicz) – meeting point: Anatomy entrance hall	***15:20-16:20*** *Presentations Research Groups (Gail, Heinrich, Cyganek) – ENI*		

W 2	Mon 07 Oct	Tue 08 Oct	Wed 09 Oct	Thu 10 Oct	Fri 11 Oct
9:00-10:30	L: Hippocampus/ Limbic System (Möck) – ENI	T & Short Test: Hippocampus / Limbic System (Möck) – ENI	T: Motor Systems (Witte) – ENI	L: Autonomic System/ Brain Stem (Palicz) – ENI	T: Autonomic System/ Brain Stem (Palicz) – ENI
10:45-12:15	L: Motor Systems I/ Spinal Cord (Witte) – ENI	L: Motor Systems II/ Cerebellum (Witte) – ENI	L/C: Introduction to mouse brain anatomy (Bouter) – ENI	***11:00-12:15*** *Presentations Research Groups (Macé, Frank, Clemens) – ENI*	T & Short Test: Autonomic System & Motor Systems (Palicz/Witte) – ENI
14:00-18:00	**13:30-18:00** L/C: Neurohistology (Chao/Palicz) – meeting point: Anatomy entrance hall	**14:00-15:45** L: Introduction Cell Culture Methods (Rhee) – MPI-NAT City Campus	C: Introduction to mouse brain anatomy (Bouter) – ENI **Group C**	C: Introduction to mouse brain anatomy (Bouter) – ENI **Group A**	C: Introduction to mouse brain anatomy (Bouter) – ENI **Group B**
		16:00-17:00 *Presentations Research Groups (Heide, Antal, Outeiro) – MPI-NAT City Campus*	C: Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy **Group A**	C: Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy **Group B**	Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy **Group C**
			C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus **Group B**	C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus **Group C**	C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus **Group A**

W 3	Mon 14 Oct	Tue 15 Oct	Wed 16 Oct	Thu 17 Oct	Fri 18 Oct
09:00-10:30	L: Circadian Clocks (Eichele) – ENI	T: Circadian Clocks (Eichele) – ENI	SELF STUDY	L: Invertebrate Models: Aplysia, Drosophila (Heinrich) – ENI	L+T: Invertebrate Models: Aplysia, Drosophila (Heinrich) – ENI
10:45-12:15	L: Introduction Electron Microscopy & Tomography (Möbius/ Wichmann) – ENI	L: Single Particle Cryo-EM, Cryo Tomography (Busnadiego) – ENI		***10:50-11:50*** *Presentation of Lab Rotation Projects (Heinrich, Tetzlaff, Fischer) – ENI*	L: Introduction to MRI and MRS (Boretius) – ENI
14:00-18:00	**13:30-18:00** L/C: Histology & Cytology EM (Chao/Palicz) – ENI	C: EM Sample Preparation & Electron Microscopy (Wichmann) – BIN **Group A**	C: EM Sample Preparation & Electron Microscopy (Wichmann) – BIN **Group B**	C: EM Sample Preparation & Electron Microscopy (Wichmann) – BIN **Group C**	L/C: Introduction to PYTHON and Practical Course (Naderi) – ENI
		C: EM Sample Freezing, Data Acquisition (Busnadiego) – GZMB **Group C**	C: EM Sample Freezing, Data Acquisition (Busnadiego) – GZMB **Group A**	C: EM Sample Freezing, Data Acquisition (Busnadiego) – GZMB **Group B**	

W 4	Mon 21 Oct	Tue 22 Oct	Wed 23 Oct	Thu 24 Oct	Fri 25 Oct
09:00-10:30	L: MRI I (Dechent/ Schweizer) – ENI	T: MRI I (Memhave) – ENI	*Presentation of Lab Rotation Projects (Báez-Mendoza, Fornasiero, Römschied, Gail) – ENI*	L: MRI II (Dechent/ Schweizer) – ENI	T & Short Test: MRI II (Memhave) – ENI
11:00-12:30	L+T: Introduction Statistics/ Software Training (Friede/ Leha) – ENI	L+T: Statistics/ Software Training (Friede/ Leha) – Med. Statistics CIP room	L+T: Statistics/ Software Training (Friede /Leha) – Med. Statistics CIP room	L+T: Statistics/ Software Training (Friede /Leha) – Med. Statistics CIP room	L+T: Statistics/ Software Training (Friede /Leha) – Med. Statistics CIP room
14:00-18:00	***15:40-17:10*** *Presentation of Lab Rotation Projects (Busnadiego, Shaib, Heide) – ENI*	C: Demo MRI (Schweizer) – DPZ **Group 1/2**	C: Demo MRI (Ortiz-Rios) – DPZ **Group 3/4**	C: Demo MRI (Ortiz-Rios) – DPZ **Group 5**	***15:00-16:20*** *Presentation of Lab Rotation Projects (Wolf, Schweizer et al., Mager)– MPI-NAT City Campus*
				16:00 – 18:00 C: MRI Analysis (Ortiz-Rios) – DPZ **Group 1-5 (all)**	

W 5	Mon 28 Oct	Tue 29 Oct	Wed 30 Oct	Thu 31 Oct	Fri 01 Nov
09:00-10:30	L: Vertebrate Neural Development (Heide) – ENI	L: Primate Brain Development & Organoids (Heide) – ENI	T/C: Electrophysiological Techniques (Oud, Rojas) – ENI	**Holiday (Reformation Day)**	SELF STUDY
11:00-12:30	L+T: Statistics/ Software Training (Friede/ Leha) – Med. Statistics CIP room	L+T: Statistics/ Software Training (Friede /Leha) – Med. Statistics CIP room	L+T: Statistics/ Software Training (Friede/ Leha) – Med. Statistics CIP room		
14:00-18:00	L/T: Introduction to the Basics of Electronics (Hehlert) – ENI	**14:00-15:45** L/C: Electrophysiological Techniques/ Amplifiers (Taschenberger) – ENI	**14:00-15:45** T: Vertebrate / Primate Brain Development (Heide) – ENI		

Block B (M.Neuro.12, M.Neuro.21, M.Neuro.22, M.Neuro.23, M.Neuro.24, M.Neuro.31): Physiology and Basic Statistics

W 6	Mon 04 Nov	Tue 05 Nov	Wed 06 Nov	Thu 07 Nov	Fri 08 Nov
08:15-10:00	L: Introduction Membrane Physiology I (Pardo) – ENI	T: Membrane Physiology I (Pardo/Torres) – ENI	SELF STUDY	L: Introduction Membrane Physiology II (Pardo) – ENI	T & Short Test: Membrane Physiology II (Pardo/Torres) – ENI
10:30-12:00	L+T: Statistics/ Software Training (Friede/ Leha) – ENI	L+T: Statistics/ Software Training (Friede/ Leha) – ENI	L+T: Statistics/ Software Training (Friede/ Leha) – ENI	L+T: Statistics/ Software Training (Friede/ Leha) – ENI	T & Short Test: Statistics (Friede/ Leha) – ENI 2.006
14:00-15:45	SELF STUDY	L: Arthropod Neural Development (Bucher) – ENI **16:00-17:45** L: Evolution of the brain & transgenic methods (Bucher) – ENI	T & Short Test: Arthropod Neural Development (Bucher) – ENI	**13:00-18:00** C: Decision Making & Setting Priorities (Botella) - ENI	**12:15-13:45** T & Short Test: Statistics (Friede/ Leha) – ENI 2.006

W 7	Mon 11 Nov	Tue 12 Nov	Wed 13 Nov	Thu 14 Nov	Fri 15 Nov
08:15-10:00	L: Membrane Physiology & Ion Channels (Pardo) – ENI	T: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI	Good Scientific Practice (Rodnina) – MPI-NAT Fassberg, Prandtl-Hörsaal	L: Membrane Physiology & Ion Channels (Pardo) – ENI	T & Short Test: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI
10:30-12:00	L+T: Statistics/ Software Training (Friede/ Leha) – Med. Statistics CIP room	L+T: Statistics/ Software Training (Friede/ Leha) – Med. Statistics CIP room		L+T: Statistics/ Software Training (Friede/ Leha) – Med. Statistics CIP room	T & Short Test: Statistics (Friede/ Leha) – Med. Statistics CIP room
14:00-18:00	**14:00-15:45** L: Introduction to Microscopy Techniques (Enderlein) – ENI	**14:00-15:45** L: Introduction to Microscopy Techniques (Enderlein) – ENI	C: Nanobody Staining + STED Imaging (Albert/ Rahimi) – BIN **Group B**	C: Nanobody Staining + STED Imaging (Albert/ Rahimi) – BIN **Group C**	C: Nanobody Staining + STED Imaging (Albert/ Rahimi) – BIN **Group A**
	16:00-17:45 L: Introduction to Microscopy Techniques (Enderlein) – ENI	**16:00-17:45** L/C: Live-Cell Imaging (Albert et al.) – ENI 2.006	C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Tsukanov) – ENI / teaching lab **Group A**	C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Tsukanov) – ENI / teaching lab **Group B**	C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Tsukanov) – ENI / teaching lab **Group C**

Course Week (18.– 22.11.): Schwann-Schleiden Research Centre, Julia-Lermontowa-Weg 3 (next to the ENI)

Monday lectures (18 Nov) ENI seminar room 0.055

W 8	Mon 18 Nov	Tue 19 Nov	Wed 20 Nov	Thu 21 Nov	Fri 22 Nov
08:15-18:00	**8:15-09:45** L: Visual Sense of Arthropods (Heinrich) **10:00-11:30** L: Action Potentials in Earthworms (Hehlert) **13:00-14:30** L: Arthropod Muscle Systems (Cillov) **14:45-16:15** L: Olfaction in Zebrafish (Frank)	*For the 4 practical courses, 4 groups of 5-6 students will be formed for each topic/course day; groups will rotate through all 4 courses, such that each day each group performs a different course.* *Details will be announced in a scriptum that will be made available before the start of the course week.* C: Visual sense of arthropods (Heinrich) C: Physiology of locust leg muscles (Cillov) C: Recording of compound action potentials from earthworm giant interneurons (Hehlert) C: Olfaction in Zebrafish (Frank, Offner)			

W 9	Mon 25 Nov	Tue 26 Nov	Wed 27 Nov	Thu 28 Nov	Fri 29 Nov
08:15-10:00	L: Membrane Physiology & Ion Channels (Pardo) – ENI	T: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI	L: Membrane Physiology & Ion Channels (Pardo) – ENI	**8:15-13:30** C: Scientific Writing and Graphics (Dean) – ENI	T & Short Test: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI
10:30-12:15	SELF STUDY	**11:15-13:00** L: Introduction to Neuroproteomics (O. Jahn) – MPI-NAT City Campus	L/C: Introduction to Psychophysiological Methods (Schacht, Grassi) – ENI		SELF STUDY
14:00-18:00	SELF STUDY	SELF STUDY	C: Psychophysiological Methods (Schacht, Grassi) – ENI **Group B**	C: Psychophysiological Methods (Schacht, Grassi) – ENI **Group C**	C: Psychophysiological Methods (Schacht, Grassi) – ENI 2.006 **Group A**
			C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus **Group C**	C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus **Group A**	C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus **Group B**

W 10	Mon 02 Dec	Tue 03 Dec	Wed 04 Dec	Thu 05 Dec	Fri 06 Dec
08:15-10:00	L: Synaptic Transmission & Integration (Rizzoli) – ENI	L: Synaptic Transmission & Integration (Rizzoli) – ENI	L: Synaptic Transmission & Integration (Rizzoli) – ENI	L: Synaptic Transmission & Integration (Rizzoli) – ENI	T & Short Test: Synaptic Transmission & Integration (Ntolkeras) – ENI
10:30-12:15	L: FLIM (Wouters) – ENI	T: Synaptic Transmission & Integration (Ntolkeras) – ENI	L: Electrophysiology on cultured Neurons (Rhee) – ENI	T: Synaptic Transmission & Integration (Ntolkeras) – ENI	SELF STUDY
14:00-18:00	C: PYTHON Practical Course (Römschied) – ENI	**14:00-15:45** L: Introduction Patch Clamp Techniques (Schlüter) – ENI	C: Demo Patch Clamp Techniques (Schlüter) – Psychiatry UMG **Group A**	C: Demo Patch Clamp Techniques (Schlüter) – Psychiatry UMG **Group C**	C: Demo Patch Clamp Techniques (Schlüter) – Psychiatry UMG **Group B**
		16:00-17:45 L: Neurophysiology of Plasticity (Schlüter) – ENI	C: Oocyte Voltage Clamp (Pardo) – ENI **Group B**	C: Oocyte Voltage Clamp (Pardo)– ENI **Group A**	C: Oocyte Voltage Clamp (Pardo)– ENI **Group C**
			C: Electrophysiology on cultured Neurons (Rhee) – MPI-NAT **Group C**	C: Electrophysiology on cultured Neurons (Rhee) – MPI-NAT **Group B**	C: Electrophysiology on cultured Neurons (Rhee) – MPI-NAT **Group A**

Block C (M.Neuro.14, M.Neuro.31, M.Neuro.25): Molecular Biology and Neurogenetics

W 11	Mon 09 Dec	Tue 10 Dec	Wed 11 Dec	Thu 12 Dec	Fri 13 Dec
08:15-10:00	L: DNA/Genome (Brose) – ENI	T: DNA/Genome (Banerjee/Vural) – ENI	C: Scientific Communication 'Oral' (Kluempers) – ENI 2.006	L: Transcription/ RNA / Translation (Brose) – ENI	T & Short Test: Transcription/ Translation (Banerjee/Torres) – ENI
10:15-12:00	L: Genetic Engineering/CRISPR (Wojcik) – ENI	T: Genetic Engineering/CRISPR (Krizman, Saade) –ENI		SELF STUDY	SELF STUDY
14:00-18:00	C: PYTHON Practical Course (Römschied) – ENI	C: Scientific Communication 'Oral' (Kluempers) – ENI	L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus **Group B**	L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus **Group C**	L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus **Group A**
			L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus **Group C**	L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus **Group A**	L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus **Group B**
			L/C: Protein purification and chromatography (Ewers) – MPI-NAT City Campus **Group A**	L/C: Protein purification and chromatography (Ewers) – MPI-NAT City Campus **Group B**	L/C: Protein purification and chromatography (Ewers) – MPI-NAT City Campus **Group C**

W 12	Mon 16 Dec	Tue 17 Dec	Wed 18 Dec	Thu 19 Dec	Fri 20 Dec
08:15-12:00	SELF STUDY	C: PYTHON Data Analysis and final discussion (Römschied) – ENI	**Christmas Break**	**Christmas Break**	**Christmas Break**
13:00-17:30	C: PYTHON Practical Course (Römschied) – ENI	SELF STUDY			

Christmas break 18.12.2024 – 05.01.2025

Start of lab rotations, LR1 through LR3 Students and supervisors are free to schedule the lab rotations individually within the given time frame. The total number of hours should not exceed 26 hours per week!

W 13	Mon 06 Jan	Tue 07 Jan	Wed 08 Jan	Thu 09 Jan	Fri 10 Jan
08:15-10:00	L: Autonomous Nervous System (Wouters) – ENI	L: Neuronal Control of Breathing and Circulation I (Wouters) – ENI	SELF STUDY	SELF STUDY	T & Short Test:: Autonomous Nervous System (Wouters/NN) – ENI
10:30-12:15	**LR 1**	**LR 1**	**LR 1**	L: Neuronal Control of Breathing and Circulation II (Wouters) – ENI	T & Short Test: Neuronal Control of Breathing and Circulation (Wouters/NN) – ENI
11:00-18:00				**LR 1**	**LR 1**

W 14	Mon 13 Jan	Tue 14 Jan	Wed 15 Jan	Thu 16 Jan	Fri 17 Jan
08:15-10:00	L: Protein Biosynthesis and Structure of Membrane Proteins (Kovtun) – ENI	T: Protein Biosynthesis (Ahn) – ENI	L/C Neuro / Molbio: Introduction Animal Experiments (Wilken) – Prandtl hall, MPI-NAT Fassberg Campus	L: Trafficking (Kovtun) – ENI	T & Short Test: Trafficking (Ahn) – ENI
10:30-14:00	**LR 1**	**10:30-11:15** (not mandatory) Preparatory exam: Experimental Animal Course (Silter) – ENI	**10:30-14:00** (not mandatory) Experimental Animal Course (Silter/NN) – UMG (room tbc)	**10:30-14:00** (not mandatory) Experimental Animal Course (Silter/NN) – UMG (room tbc)	**10:30-14:00** (not mandatory) Experimental Animal Course (Silter/NN) – UMG (room tbc)
14:30-18:00		**LR 1**	**LR 1**	**LR 1**	**LR 1**

W 15	Mon 20 Jan	Tue 21 Jan	Wed 22 Jan	Thu 23 Jan	Fri 24 Jan
08:15-10:00	L: Microglia/Astrocytes (Saher) – MPI-NAT City Campus	L: Oligodendrocytes & Schwann Cells (Werner) – ENI	T: Glia (Werner/Gargareta) – MPI-NAT City Campus	L: Neurogenetics & Mouse models (Goebbels) – MPI-NAT City Campus	T & Short Test: Neurogenetics & Mouse models (Goebbels/NN) – MPI-NAT City Campus
10:15-12:00	**LR 1**	**10:30-14:00** (not mandatory) Experimental Animal Course (Silter/NN) – UMG (room tbc)	**10:30-14:00** (not mandatory) Experimental Animal Course (Silter/NN) – UMG (room tbc)	**10:30-14:00** (not mandatory) Experimental Animal Course (Silter/NN) – UMG (room tbc)	**LR 1**
13:00-18:00		**LR 1**	**LR 1**	**LR 1**	

W 16	Mon 27 Jan	Tue 28 Jan	Wed 29 Jan	Thu 30 Jan	Fri 31 Jan
08:15-10:00	L: Neuroimmunology (Flügel/Lühder) – BIN	T: Neuroimmunology (Lodygin/Odoardi) – BIN	SELF STUDY	L: Neuroimmunology (Flügel/Lühder) – BIN	T & Short Test: Neuroimmunology (Lodygin/Odoardi) – BIN
11:00-18:00	**LR 1**	**LR 1**	**LR 1**	**LR 1**	**LR 1**

W 17	Mon 03 Feb	Tue 04 Feb	Wed 05 Feb	Thu 06 Feb	Fri 07 Feb
08:15-10:00	L: Signal Transduction I (Outeiro) – ENI	T: Signal Transduction (Outeiro/NN) – ENI	**8:15-12:15** C: Poster Presentations (Kluempers) - ENI	L: Signal Transduction II (Outeiro) – ENI 2.006	T & Short Test: Signal Transduction (Outeiro/NN) – ENI
11:00-18:00	**LR 1**	**LR 1**	**13:00 – 18:00 LR 1**	**LR 1**	**LR 1**

Block D (M.Neuro.13, M.Neuro.24, M.Neuro.25): Modelling, Autonomous Nervous System, Pharmacology

W 18	Mon 10 Feb	Tue 11 Feb	Wed 12 Feb	Thu 13 Feb	Fri 14 Feb
08:15-10:00	L: Neuroendocrinology I (Antal) – ENI	L: Neuroendocrinology II (Antal) – ENI	SELF STUDY	L: Neuroendocrinology III (Antal) – ENI	T & Short Test: Neuroendocrinology (Antal/NN) – ENI
11:00-18:00	**LR 1**	**LR 1**	**LR 1**	**LR 1**	**LR 1**

W 19	Mon 17 Feb	Tue 18 Feb	Wed 19 Feb	Thu 20 Feb	Fri 21 Feb
08:15-10:00	L: Neuropharmacology I (Sereda) – MPI-NAT City Campus	T: Neuropharmacology I (Ewers) – ENI	L: Principles of Behavioral Analysis (Ehrenreich) – ENI **10:15-12:00** T: Behavioral Analysis (Ehrenreich) – ENI	L: Neuropharmacology II (Sereda) – MPI-NAT City Campus	T & Short Test: Neuropharmacology II (Sereda/Ewers) – MPI-NAT City Campus
11:00-18:00	**LR 1**	**LR 1**	**LR 1**	**LR 1**	**LR 1**

W 20	Mon 24 Feb	Tue 25 Feb	Wed 26 Feb	Thu 27 Feb	Fri 28 Feb
08:15-10:00	L: Introduction to Computational Neuroscience (Tetzlaff) – ENI	L: Comp. Neurosc.: Single neuron model (Tetzlaff) – ENI	L: Comp. Neurosc.: Long-term synaptic plasticity (Tetzlaff) – ENI	L: Comp. Neurosc: Dynamics of recurrent neuronal networks (Tetzlaff) – ENI	L: Comp. Neurosc: Synaptic plasticity in recurrent networks (Tetzlaff) – ENI
10:15-12:15	**LR 1**	T/C: Comp. Neurosc.: Single neuron model (*Python*) (Tetzlaff) – ENI	**LR 1**	T/C: Comp. Neurosc.: Recurrent neural networks (*Brian*) (Tetzlaff) – ENI	T/C: Comp. Neurosc.: Manifolds in models and experimental data (Tetzlaff) – ENI
11:00-18:00		**LR 1**		**LR 1**	**LR 1**

W 21	Mon 03 Mar	Tue 04 Mar	Thu 05 Mar	Thu 06 Mar	Fri 07 Mar
08:15-10:00	L: Psychophysics (Treue) – ENI	T: Psychophysics & Behavioral Analysis (Schöberl) – ENI	SELF STUDY	SELF STUDY	SELF STUDY
10:30 – 13:30	C: Psychophysics (Schöberl) – DPZ **Group A**	C: Psychophysics (Schöberl) – DPZ **Group B**	C: Psychophysics (Schöberl) – DPZ **Group C**	**LR 2**	**LR 2**
14:00-18:00	**LR 2**	**LR 2**	**LR 2**		

Block E (M.Neuro.15, M.Neuro.25, M.Neuro.32): Sensory and Motor Systems

W 22	Mon 10 Mar	Tue 11 Mar	Wed 12 Mar	Thu 13 Mar	Fri 14 Mar
08:15-10:00	L: General Sensory Physiology (Kusch) – ENI	T: General Sensory Physiology (Kusch /NN) – ENI	**08:15-10:15** LR1 Seminar: NN, NN, NN, NN (Báez-Mendoza) – ENI	L: Somatic Senses (Moser) – ENI	T & Short Test: Somatic Senses (Moser /NN) – ENI
11:00-18:00	**LR 2**	**LR 2**	**10:30-12:00** LR1 Seminar: NN, NN, NN (Báez-Mendoza) – ENI **13:00-18:00 LR 2**	**LR 2**	**LR 2**

W 23	Mon 17 Mar	Tue 18 Mar	Wed 19 Mar	Thu 20 Mar	Fri 21 Mar
08:15-10:00	L: Audition (Pangrsic) – ENI	T: Auditory Physiology (Pangrsic/J. Neef) – ENI	LR1 Seminar: NN, NN, NN (Macé) – ENI	L: Clinical Sensory Physiology (Moser) – UMG 3.D4 687	T & Short Test: Clinical Sensory Physiology (Moser/J. Neef) – UMG 3.D4 687
11:00-18:00	**LR 2**	**LR 2**	**10:15-12:00** LR1 Seminar: NN, NN, NN (Macé) – ENI **13:00-18:00 LR 2**	**LR 2**	**10:15-12:00** Demo: Clinical Sensory Physiology (Moser/J. Neef/NN) – UMG 3.D4 687 **13:00-18:00 LR 2**

W 24	Mon 24 Mar	Tue 25 Mar	Wed 26 Mar	Thu 27 Mar	Fri 28 Mar
08:15-10:00	L: Vision (Gollisch) – ENI	T & Short Test: Vision (Gollisch/NN) – ENI	SELF STUDY/NWG	SELF STUDY/NWG	SELF STUDY/NWG
11:00-18:00	**10:15-12:00** L: Chemosensation (Frank) – ENI **13:00-18:00 LR 2**	**10:15-12:00** T & Short Test: Chemosensation (Offner) – ENI **13:00-18:00 LR 2**	**LR 2**	**LR 2**	**LR 2**

W 25	Mon 31 Mar	Tue 01 Apr	Wed 02 Apr	Thu 03 Apr	Fri 04 Apr
08:15-10:00	L: Higher Vision (Treue) – ENI	L: Attention (Treue) – ENI	SELF STUDY	T: Higher Vision (Calapai) – ENI	T & Short Test: Higher Vision/ Attention (Calapai) – ENI
11:00-18:00	**LR2**	**LR2**	**LR 2**	**LR 2**	**LR 2**

W 26	Mon 07 Apr	Tue 08 Apr	Wed 09 Apr	Thu 10 Apr	Fri 11 Apr
08:15-10:00	L: Muscle & Spinal Motor Systems I (Dibaj) – ENI	L: Muscle & Spinal Motor Systems II (Dibaj) – ENI	LR1 Seminar: NN, NN, NN (Zafeiriou) – ENI	T & Short Test: Muscle & Spinal Motor Systems (Dibaj) – ENI	**8:15-12:00** C/Practical: Muscle & Spinal Motor Systems (Dibaj) – Physiology
11:00-18:00	**LR 2**	**LR 2**	**10:15-12:00** LR1 Seminar: NN, NN, NN (Zafeiriou) – ENI **13:00-19:00** Demo: Functional Topography of the Human Brain (Chao) – meeting point: entrance hall Anatomy	**LR 2**	**LR 2**

Easter Break 12.04. – 21.04.2025

Block F (M.Neuro.16, M.Neuro.25, M.Neuro.32): Clinical Neurosciences and Higher Brain Functions

W 27	Mon 21 Apr	Tue 22 Apr	Wed 23 Apr	Thu 24 Apr	Fri 25 Apr
08:15-10:00	**HOLIDAY (Easter Monday)**	**09:00-10:45** L: Functional Neuroanatomy (Bähr) – ENI **11:00-12:45** L: Stroke (Maier) – ENI	**11:00-12:45** T & Short Test: Functional Neuroanatomy/ Stroke (Maier/Leyhe) – ENI	L: Neuromuscular Disorders / Motoneuron Disorders (Zschüntzsch) – ENI	T & Short Test: Neuromuscular Disorders / Motoneuron Disorders (Zschüntzsch) – ENI
11:00-18:00		**14:00 – 18:00 LR 2**	**14:00 – 18:00 LR 2**	**LR 2**	**LR 2**

W 28	Mon 28 Apr	Tue 29 Apr	Wed 30 Apr	Thu 01 May	Fri 02 May
08:15-10:00	L: Epilepsy (Focke) – ENI	**08:15-10:45** T & Practical: EEG (Focke) – UMG (room tbc)	SELF STUDY	**Holiday (May Day)**	SELF STUDY
11:00-18:00	**LR 2**	**LR 2**	**LR 2**		**LR 2**

W 29	Mon 05 May	Tue 06 May	Wed 07 May	Thu 08 May	Fri 09 May
08:15-10:00	L: Central Motor Systems (Sommer) – ENI	T & Short Test: Central Motor Systems/ Epilepsy (Sommer/Focke) – ENI	SELF STUDY	L: Learning & Memory in non-mammalian species (Frank) - ENI	T: Learning & Memory in non-mammalian species (Frank) – ENI
11:00-18:00	**LR 3**	**LR 3**	**LR 3**	**LR 3**	**LR 3**

W 30	Mon 12 May	Tue 13 May	Wed 14 May	Thu 15 May	Fri 16 May
08:15-10:00	L: Mechanisms of Learning & Memory: Hippocampus (Fischer) – ENI	T: Mechanisms of Memory & Learning (Fischer/NN) – ENI	**08:15-13:00** LR2 Poster Session – ENI (Frank)	L: Memory Loss/ Neurodegeneration (Fischer) - ENI	T & Short Test: Neurodegeneration (Fischer/NN) – ENI
11:00-18:00	**LR 3**	**LR 3**	**LR 3**	**LR 3**	**LR 3**

W 31	Mon 19 May	Tue 20 May	Wed 21 May	Thu 22 May	Fri 23 May
08:15-10:00	L: Alzheimer's disease and related disorders I (Bayer) – ENI	T: Alzheimer's disease and related disorders I (Bayer/Bouter) – ENI	Personal Counselling Session (Barth, individual appointments) – ENI 0.033	L: Alzheimer's disease and related disorders II (Bayer) – ENI	T & Short Test: Alzheimer's disease and related disorders II (Bayer/Bouter) – ENI
10:15-12:15	Plenary Meeting for Counselling Sessions (Barth/ Burkhardt) – ENI	Personal Counselling Session (Barth, individual appointments) – ENI 0.033	Personal Counselling Session (Barth, individual appointments) – ENI 0.033	Personal Counselling Session (Barth, individual appointments) – ENI 0.033	Personal Counselling Session (Barth, individual appointments) – ENI 0.033
13:00-18:00	**LR 3**	**LR 3**	**LR 3**	**LR 3**	**LR 3**

W 32	Mon 26 May	Tue 27 May	Wed 28 May	Thu 29 May	Fri 30 May
08:15-10:00	L: Rare Cognitive Diseases: Overview and selected molecular pathomechanisms (Kraetzner, Dibaj) - ENI	T: Rare Cognitive Diseases: Overview and selected molecular pathomechanisms (Kraetzner, Dibaj) – ENI	SELF STUDY	**HOLIDAY (Ascension Day)**	SELF STUDY
11:00-18:00	**LR 3**	**LR 3**	**LR 3**		**LR 3**

W 33	Mon 02 June	Tue 03 June	Wed 04 June	Thu 05 June	Fri 06 June
08:15-10:00	**8:15-12:30** L/T: Schizophrenia I & II – interactive lecture (Ehrenreich) – ENI	SELF STUDY	**8:15-12:30** L/T: Depression (Begemann) – MPI-NAT City Campus	L: Reward and Decision-Making (Kagan)- ENI	T: Reward and Decision-Making (Kagan)- ENI
11:00-18:00	**LR 3**	**LR 3**	**LR 3**	**LR 3**	**LR 3**

W 34	Mon 09 June	Tue 10 June	Wed 11 June	Thu 12 June	Fri 13 June
08:15-10:00	**HOLIDAY (Whit Monday)**	L: Aphasia and Spatial Neglect (Wilke) – ENI	T: Aphasia and Spatial Neglect (Wilke/NN) – ENI	L: Consciousness (Wilke) – ENI	T & Short Test: Consciousness (Wilke/NN) – ENI
11:00-18:00		**LR 3**	**LR 3**	**LR 3**	**LR 3**

Block G (M.Neuro.32, M.Neuro.25): Specialization Seminars and Tutorials

W 35	Mon 16 June	Tue 17 June	Wed 18 June	Thu 19 June	Fri 20 June
08:15-10:00	To be determined, e.g. *L: Sleep (Owald)*	To be determined, e.g. *L: Brain Machine Interface / Neuroprosthetics (Gail)*	To be determined, e.g. *L: Computational Neuroscience and Circuit and Systems Modelling (Jaramillo)*	To be determined, e.g. *L: Future and Frontiers in Synapse and Plasticity Research (Rizzoli)*	To be determined, e.g. *L: Evidence-Based Phytopharmacology to Treat Diseases of the Nervous System (Dietz)*
11:00-18:00	**LR 3**	**LR 3**	**LR 3**	**LR 3**	**LR 3**

W 36	Mon 23 June	Tue 24 June	Wed 25 June	Thu 26 June	Fri 27 June
08:15-10:00	To be determined, e.g. *L: Calcium in Synaptic Release (Neher)*	To be determined, e.g. *L: Brain Organoids and Neurodevelopment (Zafeiriou)*	To be determined, e.g. *L+T: Neuronal Plasticity (Löwel)*	To be determined, e.g. *L+T: Optogenetics (Moser)*	To be determined, e.g. *L: How can theoretical neuroscience guide experimentalists? (Wolf)*
11:00-18:00	**LR 3**	**LR 3**	**LR 3**	**LR 3**	**LR 3**

W 37	Mon 30 Jun	Tue 01 July	Wed 02 July	Thu 03 July	Fri 04 July
08:15-10:00	How to make it stick? Talking | Teaching | Learning (Thielsch) – ENI	To be determined	To be determined	To be determined	To be determined
10:30-12:15	L: Ideas of Mind in Philosophy, Psychology, and the Neurosciences (Quigley) – ENI *tbc*	To be determined	To be determined	To be determined	To be determined
14:00-18:00	To be determined	To be determined	Optional: Introduction to General Anatomy (Chao) – meeting point: entrance hall Anatomy	To be determined	To be determined

General information about locations:
L: lecture, T: tutorial*, C: methods course*
Rooms:

Anatomy:	Institute of Anatomy (1st floor seminar rooms, histology room, large course room) Kreuzbergring 36, Dept. Dresbach/ Staiger
BIN:	Institute for Biostructural Imaging of Neurodegeneration (3rd floor conference room) von-Sieboldt-Str. 3a
DPZ:	German Primate Center, Kellnerweg 4
ENI: ENI 2.006:	Grisebachstr. 5, seminar room 0.055/0.056 (ground floor) Grisebachstr. 5, seminar room 2.006 (second floor)
GEMI:	Georg-Elias-Müller-Institut, Goßlerstr. 14 (Office Schacht 1.105)
GZMB:	Göttingen Center for Molecular Biosciences Justus-von-Liebig-Weg 11 (Coordination Office Molecular Biology)
Med. Statistics:	Department of Medical Statistics (Prof. Friede, ground floor) Humboldtallee 32
MPI-NAT City Campus:	Max Planck Institute for Multidisciplinary Sciences – City Campus (lecture hall or laboratories) Hermann-Rein-Straße 3
Neuroanatomy:	Kreuzbergring 40 (seminar rooms, Dept. Staiger, Möck)
Physiology:	Institute for Physiology (seminar room 2.120) Humboldtallee 23
Psychiatry UMG:	University Medical Center Göttingen, Dept. Psychiatry and Psychotherapy Von-Siebold-Str. 5, room no 01 E128 (contact the gatekeeper for entry)
Schwann-Schleiden/: Zoology	Schwann-Schleiden Research Centre (seminar room 4th floor) Julia-Lermontowa-Weg 3
UMG (Depts.):	University Medical Center Göttingen Robert-Koch-Str. 40

*for some **tutorials** and **methods courses** the class may be divided into 3 groups:

Group A:	Natalia Aleksandrova, Luisa Engelke, Jascha Jauch, Stergios Kolovos, Frank Meng, Misha Singh, Tuba Yılmaz
Group B:	Bronz Arican, Tristan Franke, Emilia Goszczyńska, Yerin Kim, Marten Samulowitz, Candela Ximenez
Group C:	Hyeonseok Choi, Burak Göloğlu, Izumi Kim, Anna Kobis, Laura Pearson, Meike Schadt, Max Tepper