

## Neuroscience Study Program 2024/2025

last update: 17 December 2024

### 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	<b>SELF STUDY</b>	L: Sensory Systems (Möck) – ENI	T: Sensory Systems (Möck) – ENI	<b>Holiday (German Unification Day)</b>	<b>SELF STUDY</b>
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 <i>Presentations Research Groups (Gail, Heinrich, Cyganek) – ENI</i>		

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 / Spinal Cord (Witte) – ENI	L: Motor Systems II/ Cerebellum (Witte) – ENI	L/C: Introduction to mouse brain anatomy (Bouter) – ENI	<b>11:00-12:15</b> <i>Presentations Research Groups (Macé, Frank, Clemens) – ENI</i>	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 <b>Group C</b>	C: Introduction to mouse brain anatomy (Bouter) – ENI <b>Group A</b>	C: Introduction to mouse brain anatomy (Bouter) – ENI <b>Group B</b>
		16:00-17:00 <i>Presentations Research Groups (Heide, Antal, Outeiro) – MPI-NAT City Campus</i>	C: Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy <b>Group A</b>	C: Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy <b>Group B</b>	Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy <b>Group C</b>
			C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus <b>Group B</b>	C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus <b>Group C</b>	C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus <b>Group A</b>

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	<b>SELF STUDY</b>	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 (Busnadiago) – ENI		10:50-11:50 <i>Presentation of Lab Rotation Projects (Heinrich, Tetzlaff, Fischer) – ENI</i>	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 <b>Group A</b>	C: EM Sample Preparation & Electron Microscopy (Wichmann) – BIN <b>Group B</b>	C: EM Sample Preparation & Electron Microscopy (Wichmann) – BIN <b>Group C</b>	L/C: Introduction to PYTHON and Practical Course (Naderi) – ENI
		C: EM Sample Freezing, Data Acquisition (Busnadiago) – GZMB <b>Group C</b>	C: EM Sample Freezing, Data Acquisition (Busnadiago) – GZMB <b>Group A</b>	C: EM Sample Freezing, Data Acquisition (Busnadiago) – GZMB <b>Group B</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	<i>Presentation of Lab Rotation Projects (Báez-Mendoza, Fornasiero, Römschied, Gail) – ENI</i>	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 <i>Presentation of Lab Rotation Projects (Busnadiago, Shaib, Heide) – ENI</i>	C: Demo MRI (Schweizer) – DPZ <b>Group 1/2</b>	C: Demo MRI (Ortiz-Rios) – DPZ <b>Group 3/4</b>	C: Demo MRI (Ortiz-Rios) – DPZ <b>Group 5</b>	15:00-16:20 <i>Presentation of Lab Rotation Projects (Wolf, Schweizer et al., Mager)– MPI-NAT City Campus</i>
				16:00 – 18:00 C: MRI Analysis (Ortiz-Rios) – DPZ <b>Group 1-5 (all)</b>	

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	<b>Holiday (Reformation Day)</b>	<b>SELF STUDY</b>
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	<b>SELF STUDY</b>	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	<b>SELF STUDY</b>	L: Arthropod Neural Development (Bucher) – ENI <b>16:00-17:45</b> L: Evolution of the brain & transgenic methods (Bucher) – ENI	T & Short Test: Arthropod Neural Development (Bucher) – ENI	<b>13:00-18:00</b> C: Decision Making & Setting Priorities (Botella) - ENI	<b>12:15-13:45</b> 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	<b>14:00-15:45</b> L: Introduction to Microscopy Techniques (Enderlein) – ENI	<b>14:00-15:45</b> L: Introduction to Microscopy Techniques (Enderlein) – ENI	C: Nanobody Staining + STED Imaging (Albert/ Rahimi) – BIN <b>Group B</b>	C: Nanobody Staining + STED Imaging (Albert/ Rahimi) – BIN <b>Group C</b>	C: Nanobody Staining + STED Imaging (Albert/ Rahimi) – BIN <b>Group A</b>
	<b>16:00-17:45</b> L: Introduction to Microscopy Techniques (Enderlein) – ENI	<b>16:00-17:45</b> L/C: Live-Cell Imaging (Albert et al.) – ENI 2.006	C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Tsukanov) – ENI / teaching lab <b>Group A</b>	C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Tsukanov) – ENI / teaching lab <b>Group B</b>	C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Tsukanov) – ENI / teaching lab <b>Group C</b>

**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	<b>8:15-09:45</b> L: Visual Sense of Arthropods (Heinrich)	<p><i>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.</i></p> <p><i>Details will be announced in a scriptum that will be made available before the start of the course week.</i></p>			
	<b>10:00-11:30</b> L: Action Potentials in Earthworms (Hehlert)		C: Visual sense of arthropods (Heinrich)		
	<b>13:00-14:30</b> L: Arthropod Muscle Systems (Cillov)		C: Physiology of locust leg muscles (Cillov)		
	<b>14:45-16:15</b> L: Olfaction in Zebrafish (Frank)		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
<b>08:15-10:00</b>	L: Membrane Physiology & Ion Channels (Pardo) – ENI	T: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI	L: Membrane Physiology & Ion Channels (Pardo) – ENI	<b>8:15-13:30</b> C: Scientific Writing and Graphics (Dean) – ENI	T & Short Test: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI
<b>10:30-12:15</b>	SELF STUDY	<b>11:15-13:00</b> L: Introduction to Neuroproteomics (O. Jahn) – MPI-NAT City Campus	L/C: Introduction to Psychophysiological Methods (Schacht, Grassi) – ENI		SELF STUDY
<b>14:00-18:00</b>	SELF STUDY	SELF STUDY	C: Psychophysiological Methods (Schacht, Grassi) – ENI <b>Group B</b>	C: Psychophysiological Methods (Schacht, Grassi) – ENI <b>Group C</b>	C: Psychophysiological Methods (Schacht, Grassi) – ENI 2.006 <b>Group A</b>
			C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus <b>Group C</b>	C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus <b>Group A</b>	C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus <b>Group B</b>

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

**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 (Wojcik) – 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 <b>Group B</b>	L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus <b>Group C</b>	L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus <b>Group A</b>
			L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus <b>Group C</b>	L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus <b>Group A</b>	L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus <b>Group B</b>
			L/C: Protein purification and chromatography (Ewers) – MPI-NAT City Campus <b>Group A</b>	L/C: Protein purification and chromatography (Ewers) – MPI-NAT City Campus <b>Group B</b>	L/C: Protein purification and chromatography (Ewers) – MPI-NAT City Campus <b>Group C</b>

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 (NN) – ENI	L/C Neuro / Molbio: Introduction Animal Experiments (Stilling) – Prandtl hall, MPI-NAT Fassberg Campus (tbc)	L: Trafficking (Kovtun) – ENI	T & Short Test: Trafficking (NN) – 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/NN) – 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	LR 2	LR 2
			13:00-18:00 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	08:15-10:15 LR1 Seminar: NN, 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	10:30-11:30 LR1 Seminar: NN, NN (Macé) – ENI	LR 2	10:15-12:00 Demo: Clinical Sensory Physiology (Moser/J. Neef/NN) – UMG 3.D4 687
			13:00-18:00 LR 2		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	10:15-12:00 T & Short Test: Chemosensation (Offner) – ENI	LR 2	LR 2	LR 2
	13:00-18:00 LR 2	13:00-18:00 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
<b>08:15-10:00</b>	L: Muscle & Spinal Motor Systems I (Dibaj) – ENI	L: Muscle & Spinal Motor Systems II (Dibaj) – ENI	<b>08:15-10:15</b> LR1 Seminar: NN, NN, NN, NN (Zafeiriou) – ENI	T & Short Test: Muscle & Spinal Motor Systems (Dibaj) – ENI	<b>8:15-12:00</b> C/Practical: Muscle & Spinal Motor Systems (Dibaj) – Physiology
<b>11:00-18:00</b>	<b>LR 2</b>	<b>LR 2</b>	<b>10:30-11:30</b> LR1 Seminar: NN, NN (Zafeiriou) – ENI <b>13:00-19:00</b> Demo: Functional Topography of the Human Brain (Chao) – meeting point: entrance hall Anatomy	<b>LR 2</b>	<b>LR 2</b>

**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	<b>HOLIDAY (Easter Monday)</b>	09:00-10:45 L: Functional Neuroanatomy (Bähr) – 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		11:00-12:45 L: Stroke (Maier) – ENI	14:00 – 18:00 LR 2	14:00 – 18:00 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	<b>Holiday (May Day)</b>	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. <i>L: Sleep (Owald)</i>	To be determined, e.g. <i>L: Brain Machine Interface / Neuroprosthetics (Gail)</i>	To be determined, e.g. <i>L: Computational Neuroscience and Circuit and Systems Modelling (Jaramillo)</i>	To be determined, e.g. <i>L: Future and Frontiers in Synapse and Plasticity Research (Rizzoli)</i>	To be determined, e.g. <i>L: Evidence-Based Phytopharmacology to Treat Diseases of the Nervous System (Dietz)</i>
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. <i>L: Calcium in Synaptic Release (Neher)</i>	To be determined, e.g. <i>L: Brain Organoids and Neurodevelopment (Zafeiriou)</i>	To be determined, e.g. <i>L+T: Neuronal Plasticity (Löwel)</i>	To be determined, e.g. <i>L+T: Optogenetics (Moser)</i>	To be determined, e.g. <i>L: How can theoretical neuroscience guide experimentalists? (Wolf)</i>
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 <i>tbc</i>	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 (1 <sup>st</sup> floor seminar rooms, histology room, large course room) <a href="#">Kreuzberggring 36</a> , Dept. Dresbach/ Staiger
BIN:	Institute for Biostructural Imaging of Neurodegeneration (3 <sup>rd</sup> floor conference room) <a href="#">von-Sieboldt-Str. 3a</a>
DPZ:	German Primate Center, <a href="#">Kellnerweg 4</a>
ENI:	Grisebachstr. 5, <a href="#">seminar room 0.055/0.056</a> (ground floor)
ENI 2.006:	Grisebachstr. 5, <a href="#">seminar room 2.006</a> (second floor)
GEMI:	Georg-Elias-Müller-Institut, <a href="#">Goßlerstr. 14</a> (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) <a href="#">Hermann-Rein-Straße 3</a>
Neuroanatomy:	<a href="#">Kreuzberggring 40</a> (seminar rooms, Dept. Staiger, Möck)
Physiology:	Institute for Physiology ( <a href="#">seminar room 2.120</a> ) Humboldtallee 23
Psychiatry UMG:	University Medical Center Göttingen, Dept. Psychiatry and Psychotherapy <a href="#">Von-Siebold-Str. 5</a> , room no 01 E128 (contact the gatekeeper for entry)
Schwann-Schleiden/ Zoology	Schwann-Schleiden Research Centre ( <a href="#">seminar room 4th floor</a> ) Julia-Lermontowa-Weg 3
UMG (Depts.):	University Medical Center Göttingen <a href="#">Robert-Koch-Str. 40</a>

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

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