

## Neuroscience Study Program 2023/2024

last update: 10 May 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 02 Oct	Tue 03 Oct	Wed 04 Oct	Thu 05 Oct	Fri 06 Oct
9:00-10:30	SELF STUDY	<b>Holiday (German Unification Day)</b>	L: Sensory Systems (Möck) – ENI	T: Sensory Systems (Möck) – ENI	T: Histology & Cytology (Dresbach) – ENI
10:45-12:15	10:00 – 12:00 L: Introduction Neuroanatomy and CNS (Chao) – ENI		L: Histology & Cytology (Dresbach) – ENI	L: Hippocampus/ Limbic System (Möck) – ENI	T & Short Test: Hippocampus / Limbic System (Möck) – ENI
14:00-18:00	L/C: Human Brain (Chao) – ENI		14:00-14:40 Presentation of Research Groups – ENI Heinrich, Schwiedrzik	13:00-18:00 L/C: Intro Histology & Cytology (Chao/Palicz) – meeting point: Anatomy entrance hall	SELF STUDY

W 2	Mon 09 Oct	Tue 10 Oct	Wed 11 Oct	Thu 12 Oct	Fri 13 Oct
9:00-10:30	L: Motor Systems I/ Spinal Cord (Witte) – ENI	L: Motor Systems II/ Cerebellum (Witte) – ENI	T: Motor Systems (Witte) – ENI	L: Autonomic System/ Brain Stem (Staiger) – ENI	T: Autonomic System/ Brain Stem (Staiger) – ENI
10:45-12:15	SELF STUDY	L: Introduction Cell Culture Methods (Rhee) – MPI-NAT City Campus Seminar room (behind the library)	13:00 – 14:00 L/C: Introduction to mouse brain anatomy (Bouter) – ENI	SELF STUDY	T & Short Test: Autonomic System & Motor Systems (Staiger/Witte) – ENI
14:00-18:00	13:00-18:00 L/C: Neurohistology (Chao/Palicz) – meeting point: Anatomy entrance hall	14:00-15:00 Presentation of Research Groups – MPI-NAT City Campus Krisko (Outeiro), Schlüter, Heide	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>
			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 16 Oct	Tue 17 Oct	Wed 18 Oct	Thu 19 Oct	Fri 20 Oct
09:00-10:30	L: Circadian Clocks (Eichele) – ENI	T: Circadian Clocks (Eichele) – ENI	09:00-09:40 Presentation of Research Groups – ENI Wolf, Pardo	L: Evolution, complexity and functions of nervous systems - Invertebrate models in neuroscience (Heinrich) – ENI	L+T: Evolution, complexity and functions of nervous systems - Invertebrate models in neuroscience (Heinrich) – ENI
10:45-12:15	L: Introduction Electron Microscopy & Tomography (Möbius/Wichmann) – ENI	L: Single Particle Cryo-EM, Cryo Tomography (Busnadiago) – ENI	SELF STUDY	SELF STUDY	L: Introduction to MRI and MRS (Boretius) – ENI
14:00-18:00	13:00-18:00 L/C: Histology & Cytology EM (Chao/Palicz) – ENI	C: EM Sample Preparation (Möbius) – MPI-NAT City Campus <b>Group A/1</b>	C: EM Sample Preparation (Möbius) – MPI-NAT City Campus <b>Group B/1</b>	C: EM Sample Preparation (Möbius) – MPI-NAT City Campus <b>Group C/1</b>	L/C: Introduction to PYTHON and Practical Course (Naderi) – ENI
		C: EM High Pressure Freezing, RT Tomo/Vizualization (Wichmann) –BIN <b>Group A/2</b>	C: EM High Pressure Freezing, RT Tomo/Vizualization (Wichmann) –BIN <b>Group B/2</b>	C: EM High Pressure Freezing, RT Tomo/Vizualization (Wichmann) –BIN <b>Group C/2</b>	
		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 23 Oct	Tue 24 Oct	Wed 25 Oct	Thu 26 Oct	Fri 27 Oct
09:00-10:30	L: MRI I (Dechent/Schweizer) – ENI	T: MRI I (Müllen/Memhave) – ENI	09:00-09:40 Presentation of Lab Rotation Projects – ENI Pangrsic (Moser), Sasmita (Nave) Schott/Zhang (Baez Mendoza)	L: MRI II (Dechent/Schweizer) – ENI	T & Short Test: MRI II (Müllen/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	15:00-17:30 Presentation of Lab Rotation Projects – ENI Neef (Moser), Pardo, Bucher, Rizzoli, Schöne (Löwel) [16:00-16:30 break]	C: Demo MRI and MRS (Ortiz-Rios) – DPZ <b>Group A/B</b>	C: Demo MRI and MRS (Ortiz-Rios) – DPZ <b>Group B/C</b>	C: Demo MRI and MRS (Ortiz-Rios) – DPZ <b>Group A/C</b>	14:00-15:40 Presentation of Lab Rotation Projects – ENI Heinrich, Clemens, Heide, Tetzlaff
				16:00 – 18:00 C: Demo MRI and MRS (Ortiz-Rios) – DPZ	

W 5	Mon 30 Oct	Tue 31 Oct	Wed 01 Nov	Thu 02 Nov	Fri 03 Nov
<b>08:15-10:00</b>	L: Vertebrate Neural Development (Heide) – ENI	<b>Holiday (Reformation Day)</b>	T: Vertebrate / Primate Brain Development (Heide) – ENI	L: Evolution of the brain & transgenic methods (Bucher) – ENI	T & Short Test: Arthropod Neural Development (Bucher) – ENI
<b>10:30-12:00</b>	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
<b>14:00-18:00</b>	<b>16:00-17:45</b> L: Primate Brain Development & Organoids (Heide) – ENI		<b>14:00-15:45</b> L: Arthropod Neural Development (Bucher) – ENI	Scientific Communication ‘Oral’ (Kluempers) – ENI	Scientific Communication ‘Oral’ (Kluempers) – 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 06 Nov	Tue 07 Nov	Wed 08 Nov	Thu 09 Nov	Fri 10 Nov
<b>08:15-10:00</b>	L: Introduction Membrane Physiology I (Pardo) – ENI 2.006	T: Membrane Physiology I (Pardo) – ENI 2.006	T/C: Electrophysiological Techniques (Groshkova/Oud) – ENI	L: Introduction Membrane Physiology II (Pardo) – ENI	T & Short Test: Membrane Physiology II (Pardo) – ENI
<b>10:30-12:00</b>	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	T & Short Test: Statistics (Friede/ Leha) – Med. Statistics CIP room
<b>14:00-18:00</b>	L/T: Introduction to the Basics of Electronics (Stühmer) – ENI 2.006	<b>14:00-15:45</b> L: Electrophysiological Techniques/ Amplifiers (Taschenberger) – ENI 2.006	<b>14:00-18:10</b> Presentation of Lab Rotation Projects – ENI Cooper/Krizmann (Brose), Wolf, Schweizer (Boretius), Ewers (Sereda), Fischer, Kingir/Sasani (Wilke), Kagan, Schwiedrzik <i>[16:00-16:30 break]</i>	C: PYTHON Practical Course (Römschied) – ENI	SELF STUDY

W 7	Mon 13 Nov	Tue 14 Nov	Wed 15 Nov	Thu 16 Nov	Fri 17 Nov
<b>08:15-10:00</b>	L: Membrane Physiology & Ion Channels (Pardo) – ENI	T: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI	Good Scientific Practice (R. Jahn) – MPI-NAT Fassberg (LP)	L: Membrane Physiology & Ion Channels (Pardo) – ENI	T & Short Test: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI
<b>10:30-12:00</b>	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
<b>14:00-18:00</b>	<b>14:00-15:45</b> L/C: Live-Cell Imaging (Rizzoli) – ENI	C: PYTHON Practical Course (Römschied/ Naderi) – ENI	C: Live-Cell Imaging (Rizzoli) – Physiology 2.124 <b>Group B</b>	C: Live-Cell Imaging (Rizzoli) – Physiology 2.124 <b>Group C</b>	C: Live-Cell Imaging (Rizzoli) – Physiology 2.124 <b>Group A</b>
			C: Invasive electrophysiology in humans (Schwiedrzik) - Zoom <b>Group A/C</b>		C: Invasive electrophysiology in humans (Schwiedrzik) - Zoom <b>Group B/C</b>

Course Week (20.– 24.11.): Schwann-Schleiden Research Centre, Julia-Lermontowa-Weg 3 (next to the ENI)  
1<sup>st</sup> meeting Monday, 20<sup>th</sup> Nov, 8:15h seminar room 4<sup>th</sup> floor (exact rooms will be announced)

W 8	Mon 20 Nov	Tue 21 Nov	Wed 22 Nov	Thu 23 Nov	Fri 24 Nov
08:15-18:00	<b>8:15-09:45</b> L: Arthropod Muscle Systems (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 invertebrate giant interneurons(Hehlert)		C: Visual sense of arthropods (Heinrich)		
	<b>13:00-14:30</b> L: Visual Sense of Arthropods (Heinrich)		C: Physiology of locust leg muscles (Cillov)		
	<b>14:45-16:15</b> L: Single Neuron Recording (Ferber)		C: Recording of compound action potentials from earthworm giant interneurons (Hehlert)		
			C: Single Neuron Recording (Ferber, Berger)		

W 9	Mon 27 Nov	Tue 28 Nov	Wed 29 Nov	Thu 30 Nov	Fri 01 Dec
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	08:15-13:00 C: Decision Making & Setting Priorities (Botella) - ENI	T & Short Test: Membrane Physiology & Ion Channels (Pardo/Torres) – ENI
10:30-12:15	L: Introduction to Microscopy Techniques (Enderlein) – ENI	L: Introduction to Neuroproteomics (O. Jahn) – MPI-NAT City Campus	L/C: Introduction to Psychophysiological Methods (Schacht, Grassi) – ENI		L: FLIM (Wouters) – ENI
14:00-18:00	<b>14:00-15:45</b> L: Introduction to Microscopy Techniques (Enderlein) – ENI	Presentation of MSc/PhD projects class 2022 – ENI	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>
	<b>16:00-17:45</b> L: Introduction to Microscopy Techniques (Enderlein) – ENI		C: Psychophysiological Methods (Schacht, Grassi) – GEMH <b>Group B</b>	C: Psychophysiological Methods (Schacht, Grassi) – GEMH <b>Group C</b>	C: Psychophysiological Methods (Schacht, Grassi) – GEMH <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 04 Dec	Tue 05 Dec	Wed 06 Dec	Thu 07 Dec	Fri 08 Dec
08:15-10:00	SELF STUDY	L: Synaptic Transmission & Integration (Rizzoli) – ENI	L: Synaptic Transmission & Integration (Rizzoli) – ENI	L: Synaptic Transmission & Integration (Rizzoli) – ENI	T & Short Test: Synaptic Transmission & Integration (Krah, Georgiev, Saal) – ENI
10:30-12:15	L: Synaptic Transmission & Integration (Rizzoli) – ENI	T: Synaptic Transmission & Integration (Krah, Georgiev, Saal) – ENI	L: Neurophysiology of Plasticity (Schlüter) – ENI	T: Synaptic Transmission & Integration (Krah, Georgiev, Saal) – ENI	SELF STUDY
14:00-18:00	C: PYTHON Practical Course (Römschied) – Online via Zoom (optional)	<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: Electrophysiology on cultured Neurons (Rhee) – 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.32): Molecular Biology and Neurogenetics**

W 11	Mon 11 Dec	Tue 12 Dec	Wed 13 Dec	Thu 14 Dec	Fri 15 Dec
08:15-10:00	L: DNA/Genome (Brose) – ENI	T: DNA/Genome (Torres/Lohse) – ENI	SELF STUDY	L: Transcription/ RNA / Translation (Brose) – ENI	T & Short Test: Transcription/ Translation (Torres/Lohse) – ENI
10:15-12:00	L: Genetic Engineering/CRISPR (Wojcik) – ENI	T: Genetic Engineering/CRISPR (Wojcik) – ENI	SELF STUDY	SELF STUDY	SELF STUDY
14:00-18:00	Presentation of MSc/PhD projects class 2022 – ENI	C: PYTHON Data Analysis and Final Discussion (Römschied/ Naderi) – ENI 2.006	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 18 Dec	Tue 19 Dec	Wed 20 Dec	Thu 21 Dec	Fri 22 Dec
08:15-12:00	SELF STUDY	SELF STUDY	<b>Christmas Break</b>	<b>Christmas Break</b>	<b>Christmas Break</b>
13:00-17:30	SELF STUDY	SELF STUDY			

**Christmas break 20.12.2023 – 07.01.2024**

### 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 08 Jan	Tue 09 Jan	Wed 10 Jan	Thu 11 Jan	Fri 12 Jan
08:15-10:00	L: Microglia/Astrocytes (Saher) – MPI-NAT City Campus	L: Oligodendrocytes & Schwann Cells (Nave) – online via zoom	T: Glia (Nave) – online via zoom	T: Neurogenetics (Nave) – MPI-NAT City Campus	T & Short Test: Mouse Genetics (Goebbels) – MPI-NAT City Campus
11:00-18:00	LR 1	LR 1	10:15-11:45 L: Neurogenetics (Nave) – online via zoom	10:15-11:45 L: Introduction to Mouse Genetics (Goebbels) – MPI-NAT City Campus	LR 1
			13:00-18:00 LR 1	13:00-18:00 LR 1	

W 14	Mon 15 Jan	Tue 16 Jan	Wed 17 Jan	Thu 18 Jan	Fri 19 Jan
08:15-10:00	L: Protein Biosynthesis and Structure of Membrane Proteins (Kovtun) – ENI	T: Protein Biosynthesis (NN) – ENI	L: Trafficking (Kovtun) – ENI 2.006	09:00-13:00 Poster Presentations (Kluempers) – ENI	T & Short Test: Trafficking (NN) – ENI
11:00-18:00	LR 1	LR 1	LR 1	14:00-18:00 LR 1	LR 1

W 15	Mon 22 Jan	Tue 23 Jan	Wed 24 Jan	Thu 25 Jan	Fri 26 Jan
08:15-10:00	L: Neuroimmunology (Lodygin/Lühder) – BIN	T: Neuroimmunology (Lodygin/Odoardi) – BIN	L/C: Introduction Animal Experiments (Stilling) – MPI-NAT City Campus Neuro / Molbio	L: Neuroimmunology (Flügel/Odoardi) – BIN	T & Short Test: Neuroimmunology (Lühder/Odoardi) – BIN
10:15-13:00	11:00-18:00 LR 1	<del>(not mandatory)</del> Preparatory exam: Experimental Animal Course (Silter) – ENI	<del>(not mandatory)</del> Experimental Animal Course (Silter/NN) – UMG (room tbc)	<del>(not mandatory)</del> Experimental Animal Course (Silter/NN) – UMG (room tbc)	<del>(not mandatory)</del> Experimental Animal Course (Silter/NN) – UMG (room tbc)
13:30-18:00		LR 1	LR 1	LR 1	LR 1

W 16	Mon 29 Jan	Tue 30 Jan	Wed 31 Jan	Thu 01 Feb	Fri 02 Feb
08:15-10:00	L: Signal Transduction I (Rhee) – ENI	T: Signal Transduction (Rhee/NN) – ENI	SELF STUDY	L: Signal Transduction II (Rhee) – ENI	09:00-10:00 T & Short Test: Signal Transduction (Rhee) – online via zoom
11:00-18:00	LR 1	LR 1	LR 1	LR 1	LR 1



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

W 17	Mon 05 Feb	Tue 06 Feb	Wed 07 Feb	Thu 08 Feb	Fri 09 Feb
09:00-11:00	L: Computational Neuroscience - Neural Encoding and Decoding (Römschied) – ENI	09:00 – 12:45 T+C: Computational Neuroscience - Neural Encoding and Decoding (Römschied/NN) – ENI	09:00 – 12:45 T+C: Computational Neuroscience - Neural Encoding and Decoding (Römschied/NN) – ENI	09:00 – 12:45 T+C: Computational Neuroscience - Neural Encoding and Decoding (Römschied/NN) – EN	T & Short Test: Computational Neuroscience - Neural Encoding and Decoding (Römschied/NN) – ENI
11:30-18:00	LR 1	13:30 – 18:00 LR 1	13:30 – 18:00 LR 1	13:30 – 18:00 LR 1	LR 1

W 18	Mon 12 Feb	Tue 13 Feb	Wed 14 Feb	Thu 15 Feb	Fri 16 Feb
08:15-10:00	L: Neuroendocrinology I (Antal) – ENI	08:30 – 13:45 C : Scientific Writing and Graphics (Dean) – ENI	L: Neuroendocrinology II (Antal) – online via zoom	L: Neuroendocrinology III (Antal) – ENI	T & Short Test: Neuroendocrinology (Antal/NN) – ENI
11:00-18:00	LR 1	15:00 – 19:00 LR 1	LR 1	LR 1	LR 1

W 19	Mon 19 Feb	Tue 20 Feb	Wed 21 Feb	Thu 22 Feb	Fri 23 Feb
09:00-10:30	L: Autonomous Nervous System (Wouters) – online via zoom	T: Autonomous Nervous System (Wouters) – online via zoom	L: Neuronal Control of Breathing and Circulation I (Wouters) – online via zoom	L: Neuronal Control of Breathing and Circulation II (Wouters) – online via zoom	T & Short Test: Autonomous Nervous System/Neuronal Control of Breathing and Circulation (Wouters) – online via zoom
11:00-18:00	LR 1	LR 1	LR 1	LR 1	LR 1

W 20	Mon 26 Feb	Tue 27 Feb	Wed 28 Feb	Thu 29 Feb	Fri 01 Mar
08:15-10:00	08:45-10:00 L: Neuropharmacology I (Sereda) – MPI-NAT City Campus A.00.50	T: Neuropharmacology I (Ewers) – MPI-NAT City Campus A.00.50	SELF STUDY	L: Neuropharmacology II (Sereda) – online via zoom	T & Short Test: Neuropharmacology II (Sereda/Ewers) MPI-NAT City Campus A.00.50
11:00-18:00	LR 1	LR 1	LR 1	LR 1	LR 1

W 21	Mon 04 Mar	Tue 05 Mar	Thu 06 Mar	Thu 07 Mar	Fri 08 Mar
08:15-10:00	L: Behavioral Analysis (Treue) – ENI	T: Behavioral Analysis (Schöberl) – ENI 2.006	L: General Sensory Physiology (Kusch) – ENI	T: General Sensory Physiology (Kusch /NN) – ENI	L: Somatic Senses (Moser) – ENI
10:30 – 13:30	C: Behavioral Analysis (Treue/Schöberl) – DPZ Group A	C: Behavioral Analysis (Treue/Schöberl) – DPZ Group B	C: Behavioral Analysis (Treue/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 11 Mar	Tue 12 Mar	Wed 13 Mar	Thu 14 Mar	Fri 15 Mar
08:15-10:00	L: Clinical Sensory Physiology (Moser) – UMG Lecture Hall 04	8:15 – 12:00 L/T: Principles of Behavioral Analysis (Ehrenreich) – ENI	08:15-10:15 LR1 Seminar: Laura, Shreshth, Andrea AR., Ruchi (Fernández-Busnadiego) – ENI	T: Somatic Senses (Moser/ NN) – UMG room 3D4 687 (3 <sup>rd</sup> floor via elevator D4)	T & Short Test: Clinical Sensory Physiology (Moser/J. Neef) – UMG room 3D4 687 (3 <sup>rd</sup> floor via elevator D4)
11:00-18:00	LR 2	LR 2	10:30-12:00 LR1 Seminar: Büşra, Aruna, Andrea CP (Kagan) – ENI	LR 2	10:15-12:00 Demo: Clinical Sensory Physiology (Moser/J. Neef) – UMG 3D4 687
			13:00-18:00 LR 2		13:00-18:00 LR 2

W 23	Mon 18 Mar	Tue 19 Mar	Wed 20 Mar	Thu 21 Mar	Fri 22 Mar
08:15-10:00	L: Audition (Pangrsic) – ENI	T: Audition (Pangrsic/J. Neef) – ENI	08:15-10:15 LR1 Seminar: Kai, Blossom, Hannah, Esther (Gollisch) – ENI	SELF STUDY	SELF STUDY
11:00-18:00	LR 2	LR 2	10:30-12:30 LR1 Seminar: Ece, Sophie, Anushka, Antonios (Boretius) – ENI	LR 2	LR 2
			13:00-18:00 LR 2		

**Easter Break 25.03. – 01.04.2024**

W 24	Mon 01 Apr	Tue 02 Apr	Wed 03 Apr	Thu 04 Apr	Fri 05 Apr
08:15-10:00	<b>HOLIDAY</b> (Easter Monday)	L: Vision (Gollisch) – ENI	T & Short Test: Vision (Gollisch/NN) – ENI	L: Chemosensation (Frank) – ENI	T & Short Test: Chemosensation (Offner) – ENI
11:00-18:00		LR 2	LR 2	LR 2	LR 2

W 25	Mon 08 Apr	Tue 09 Apr	Wed 10 Apr	Thu 11 Apr	Fri 12 Apr
08:15-10:00	L: Muscle & Spinal Motor Systems I (Dibaj) – ENI	L: Muscle & Spinal Motor Systems II (Dibaj) – ENI	SELF STUDY	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	LR2	LR2	LR 2	LR 2	LR 2

<b>W 26</b>	<b>Mon 15 Apr</b>	<b>Tue 16 Apr</b>	<b>Wed 17 Apr</b>	<b>Thu 18 Apr</b>	<b>Fri 19 Apr</b>
<b>08:15-10:00</b>	L: Higher Vision (Treue) – ENI 2.006	T: Higher Vision (Calapai) – ENI 2.006	<b>08:15-10:15</b> LR1 Seminar: Andrii, Sage, André, Malak (Schacht) – ENI	L: Attention (Treue) – ENI	T & Short Test: Higher Vision/ Attention (Calapai) – ENI
<b>11:00-18:00</b>	<b>LR 2</b>	<b>LR 2</b>	<b>10:30-12:00</b> LR1 Seminar: Mohamed, Ross, Bea (Fischer) – 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>

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

W 27	Mon 22 Apr	Tue 23 Apr	Wed 24 Apr	Thu 25 Apr	Fri 26 Apr
08:15-10:00	L: Functional Neuroanatomy (Bähr) – ENI	08:15-12:00 L: Epilepsy (Focke) / T & Practical: EEG (Focke) – UMG (lecture hall 51, UBFT-Lehre)	SELF STUDY	L: Central Motor Systems (Sommer) – ENI	T & Short Test: Central Motor Systems/ Epilepsy (Sommer/Focke) – ENI
11:00-18:00	LR 2	14:00 – 18:00 LR 2	LR 2	LR 2	LR 2

W 28	Mon 29 Apr	Tue 30 Apr	Wed 01 May	Thu 02 May	Fri 03 May
08:15-10:00	SELF STUDY  11:00-12:30 L: Stroke (Maier) – ENI	T & Short Test: Functional Neuroanatomy/ Stroke (Maier) – ENI	Holiday (May Day)	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	LR 2		LR 2	LR 2

W 29	Mon 06 May	Tue 07 May	Wed 08 May	Thu 09 May	Fri 10 May
08:15-10:00	L: Mechanisms of Learning & Memory: Hippocampus (Fischer) – ENI	L: Memory Loss/ Neurodegeneration (Fischer) - ENI	T: Mechanisms of Memory & Learning (Fischer/NN) – ENI	Holiday (Ascension Day)	SELF STUDY
11:00-18:00	LR 3	LR 3	10:15-12:00 T & Short Test: Neurodegeneration (Fischer/NN) – ENI 13:00-18:00 LR 3		LR 3

W 30	Mon 13 May	Tue 14 May	Wed 15 May	Thu 16 May	Fri 17 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	8:15-13:00 LR2 Poster Session (Báez-Mendoza, Dresbach, Heide) – ENI	L: Alzheimer's disease and related disorders II (Bayer) – ENI	T & Short Test: Alzheimer's disease and related disorders II (Bayer/Bouter) – ENI
10:00-18:00	10:00-11:30 Plenary Meeting for Counselling Sessions (Barth/Burkhardt) – ENI 13:00-14:30 Personal Counselling Session (Barth, individual appointments) – ENI 0.033 13:00-18:00 LR 3	11:00-18:00 LR 3	14:00-18:00 LR 3	10:15-14:45 Personal Counselling Session (Barth, individual appointments) – ENI 0.033	10:15-17:45 Personal Counselling Session (Barth, individual appointments) – ENI 0.033
					11:00-18:00 LR 3

W 31	Mon 20 May	Tue 21 May	Wed 22 May	Thu 23 May	Fri 24 May
08:15-10:00	<b>HOLIDAY</b> (Whit Monday)	SELF STUDY / NEURIZONS	SELF STUDY / NEURIZONS	SELF STUDY / NEURIZONS	SELF STUDY / NEURIZONS
11:00-18:00		<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>

W 32	Mon 27 May	Tue 28 May	Wed 29 May	Thu 30 May	Fri 31 May
08:15-10:00	L: Learning & Memory in non-mammalian species (Frank) – ENI 2.006	T: Learning & Memory in non-mammalian species (Frank) – ENI 2.006	Personal Counselling Session (Barth, individual appointments) – ENI 0.033	L: Rare Cognitive Diseases: Overview and selected molecular pathomechanisms (Kraetzner, Dibaj) – ENI 2.006	T: Rare Cognitive Diseases: Overview and selected molecular pathomechanisms (Kraetzner, Dibaj) – ENI 2.006
11:00-18:00	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>

W 33	Mon 03 June	Tue 04 June	Wed 05 June	Thu 06 June	Fri 07 June
08:15-10:00	<b>08:15-12:00</b> L/T: Schizophrenia I & II – interactive lecture (Ehrenreich) – ENI	L: Reward and Decision-Making (Kagan)- ENI	<b>08:15-12:00</b> L/T: Depression (Begemann) – MPI- NAT City Campus, room C 0036	T: Reward and Decision-Making (Kagan)- ENI	<b>Optional: 08:15-10:00</b> Info Session on how to choose a lab – PhD representatives – ENI
11:00-18:00	<b>13:00-18:00</b> <b>LR 3</b>	<b>LR 3</b>	<b>13:00-18:00</b> <b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>

W 34	Mon 10 June	Tue 11 June	Wed 12 June	Thu 13 June	Fri 14 June
08:15-10:00	L: Aphasia and Spatial Neglect (Wilke) – ENI	T: Aphasia and Spatial Neglect (Wilke/NN) – ENI	SELF STUDY	L: Consciousness (Wilke) – ENI	T & Short Test: Consciousness (Wilke/NN) – ENI
11:00-18:00	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>	<b>LR 3</b>

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

W 35	Mon 17 June	Tue 18 June	Wed 19 June	Thu 20 June	Fri 21 June
08:15-10:00	To be determined	L: Brain Machine Interface / Neuroprosthetics (Gail) - ENI	To be determined, e.g. L: <i>Computational Neuroscience and Circuit and Systems Modelling</i> (Jaramillo)	To be determined, e.g. L: <i>Future and Frontiers in Synapse and Plasticity Research</i> (Rizzoli)	L: Calcium in Synaptic Release (Neher) - ENI
11:00-18:00	LR 3	LR 3	LR 3	LR 3	LR 3

W 36	Mon 24 June	Tue 25 June	Wed 26 June	Thu 27 June	Fri 28 June
08:15-10:00	To be determined, e.g. L: <i>Calcium in Synaptic Release</i> (Neher)	To be determined, e.g. L: <i>Brain Organoids and Neurodevelopment</i> (Zafeiriou)	To be determined, e.g. L+T: <i>Neuronal Plasticity</i> (Löwel)	LR 3	To be determined, e.g. L: <i>How can theoretical neuroscience guide experimentalists?</i> (Wolf)
11:00-18:00	LR 3	LR 3	LR 3	16:30-18:00 L: Affective Neuroscience & Psychophysiology (Schacht) – ENI	LR 3

W 37	Mon 01 July	Tue 02 July	Wed 03 July	Thu 04 July	Fri 05 July
08:15-10:00	To be determined	To be determined	To be determined	To be determined	tbc <i>How to make it stick? Talking   Teaching   Learning</i> (Thielsch) – online
10:30-12:15	To be determined	To be determined	11:00-12:30 L: Sleep (Owald) – online via zoom	L: Ideas of Mind in Philosophy, Psychology, and the Neurosciences (Quigley) – ENI	To be determined
14:00-18:00	To be determined	Optional (tbc): Introduction to General Anatomy (Chao) – meeting point: entrance hall Anatomy	To be determined	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 2.124</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>	Laura Alacán Ricardo, Zeynep Büşra Ayar, Wing Sum Cheung, André Costa, Hannah Luksch, Malak Nasr, Shreshth Shekhar
<b>Group B:</b>	Andrea Alcaraz Ramírez, Tsun-Kai Chang, Anushka Deb, Ece İdil, Sophie Köber, Andrii Lysenko, Antonios Ntolkeras, Beatriz Rodrigues Apgaua
<b>Group C:</b>	Mohamed Alebeed, Andrea Campos Perez, Esther Grewe, Sage Martineau, Ruchi Modgekar, Aruna Nyssanbay, Ross Oglesby