

## Neuroscience Study Program 2025/2026

last update: 16 April 2026

### Block A (M.Neuro.11, M.Neuro.12, M.Neuro.16, M.Neuro.21-24, M.Neuro.31): Neuroanatomy and Development

| W 1         | Mon 29 Sept  | Tue 30 Sept  | Wed 01 Oct   | Thu 02 Oct   | Fri 03 Oct                                  |
|-------------|--|--|--|--|---|
| 9:00-10:30  | SELF STUDY   | L/T: Introduction Neuroanatomy and CNS (Chao) – ENI                          | L: Sensory Systems (Möck) – ENI  | T: Sensory Systems (Möck) – ENI                            | <b>Holiday<br/>(German Unification Day)</b> |
| 10:45-12:30 | 10:00 – 12:00<br>L: Introduction Neuroanatomy and CNS (Chao) – ENI | L/T: Neuroanatomy and CNS (Chao) – ENI                                       | T: Histology & Cytology (Dresbach) – ENI   | 11:00-13:00<br>L/C: Neurohistology (Chao/NN) –Anatomy      |   |
| 14:00-18:00 | 13:00-15:00<br>L/T: Neuroanatomy and CNS (Chao) – ENI              | 14:00-16:00<br>L: Histology & Cytology (Dresbach) – ENI                      | 13:30-18:00 (optional)<br>L/C: Intro Histology & Cytology (Chao/Rajput) – meeting point: Anatomy entrance hall | 14:00-16:30<br>L/C: Neurohistology (Chao/Rajput) – Anatomy |   |
|             | SELF STUDY   | <i>Presentation Research Groups:<br/>16:20-17:00<br/>Bucher, Heide – ENI</i> |  |  |   |

| W 2         | Mon 06 Oct   | Tue 07 Oct   | Wed 08 Oct   | Thu 09 Oct   | Fri 10 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 (Staiger) – ENI  | T: Autonomic System/ Brain Stem (Staiger) – 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                                | <i>Presentation Research Groups:<br/>10:45-12:05<br/>Wilke, Heinrich, Tetzlaff, Pangrsic – ENI</i> | T & Short Test: Autonomic System & Motor Systems (Staiger) – ENI                    |
| 14:00-18:00 | <i>Presentation Research Groups:<br/>14:00-15:40<br/>Frank, Macé, Barnstedt, Antal, Priesemann – ENI</i> | SELF STUDY   | C: Introduction to mouse brain anatomy (Bouter) – ENI<br><b>Group C</b>                | C: Introduction to mouse brain anatomy (Bouter) – ENI<br><b>Group A</b>                            | C: Introduction to mouse brain anatomy (Bouter) – ENI<br><b>Group B</b>             |
|             |  |  | C: Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy<br><b>Group A</b> | C: Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy<br><b>Group B</b>             | Sensory Systems / Electrophysiology (Möck & staff) – Neuroanatomy<br><b>Group C</b> |

| W 3         | Mon 13 Oct  | Tue 14 Oct  | Wed 15 Oct  | Thu 16 Oct  | Fri 17 Oct  |
|-------------|---|---|---|---|---|
| 09:00-10:30 | L: Circadian Clocks (Eichele) – ENI                               | T: Circadian Clocks (Eichele) – ENI   | <i>Presentation of Lab Rotation Projects: 09:00-09:40 Reshetniak, Diedrich</i>  | L: Invertebrate Models: Aplysia, Drosophila (Heinrich) – ENI                                    | L+T: Invertebrate Models: Aplysia, Drosophila (Heinrich) – ENI  |
| 10:45-12:15 | L: Introduction Electron Microscopy & Tomography (Wichmann) – ENI | L: Single Particle Cryo-EM, Cryo Tomography (Busnadiego) – ENI                  | 11:15-11:35 Barnstedt – ENI   | <i>Presentation of Lab Rotation Projects: 10:50-12:10 Heinrich, Mager, Neef, Boretius – ENI</i> | 11:00-12:45 L: Introduction to MRI and MRS (Boretius) – DPZ     |
| 14:00-18:00 | 13:00-18:00 L/C: Histology & Cytology EM (Chao/Rajput) – ENI      | C: RT Electron tomography and sample preparation (Wichmann) –BIN <b>Group A</b> | C: RT Electron tomography and sample preparation (Wichmann) –BIN <b>Group B</b> | C: RT Electron tomography and sample preparation (Wichmann) –BIN <b>Group C</b>                 | L/C: Introduction to PYTHON and Practical Course (Naderi) – ENI |
|             |   | C: EM Sample Freezing, Data Acquisition (Busnadiego) – GZMB <b>Group C</b>      | C: EM Sample Freezing, Data Acquisition (Busnadiego) – GZMB <b>Group A</b>      | C: EM Sample Freezing, Data Acquisition (Busnadiego) – GZMB <b>Group B</b>                      |   |

| W 4         | Mon 20 Oct   | Tue 21 Oct   | Wed 22 Oct   | Thu 23 Oct   | Fri 24 Oct  |
|-------------|--|--|--|--|---|
| 09:00-10:30 | L: MRI I (Dechent/Schweizer) – DPZ   | T: MRI I (Schrauder, Ricardo) –DPZ   | <i>Presentation of Lab Rotation Projects: 09:40-10:20 Bader, Frank – ENI 2.006</i> | L: MRI II (Dechent/Schweizer) – DPZ  | T & Short Test: MRI II (Schrauder, Ricardo) – DPZ   |
| 11:00-12:30 | L+T: Introduction Statistics/ Software Training (Friede/ Leha) – ENI 2.006                       | 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 | <i>Presentation of Lab Rotation Projects: 14:00-15:00 Kovtun, Schlüter, Tetzlaff – ENI 2.006</i> | C: Demo MRI (Schweizer) – DPZ <b>Group 1/2</b>                               | C: Demo MRI (Ricardo) – DPZ <b>Group 3/4</b>                                       | C: Demo MRI (Ricardo) – DPZ <b>Group 5</b>                                   | <i>Presentation of Lab Rotation Projects: 14:00-15:20 Báez-Mendoza, Boretius, Heide, Gail – ENI 2.006</i> |
|             |  |  |  | 16:00 – 18:00 C: MRI Analysis (Schweizer) – DPZ <b>Group 1-5 (all)</b>       |   |

| W 5         | Mon 27 Oct   | Tue 28 Oct   | Wed 29 Oct   | Thu 30 Oct  | Fri 31 Oct                       |
|-------------|--|--|--|---|----------------------------------|
| 09:00-10:30 | L: Vertebrate Neural Development (Heide) – ENI 2.006                         | T: Vertebrate / Primate Brain Development (Heide) – ENI 2.006                | L: Evolution of the brain & transgenic methods (Bucher) – ENI  | T & Short Test: Arthropod Neural Development (Bucher) – ENI                     | <b>Holiday (Reformation Day)</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   | T & Short Test: Statistics (Friede/ Leha) – Med. Statistics CIP room            |                                  |
| 14:00-16:00 | L: Primate Brain Development & Organoids (Heide) – ENI 2.006                 | L: Arthropod Neural Development (Bucher) – ENI 2.006                         | T: Introduction to the Basics of Electronics (Hehlert) – ENI<br><i>Presentation of Lab Rotation Projects: 16:15-17:30 Fernández-Busnadiego – ENI 2.006</i> | 13:00-17:00 Good Scientific Practice (M. Rodnina) – MPI-NAT Prantl Lecture Hall |                                  |

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

| W 6         | Mon 03 Nov   | Tue 04 Nov   | Wed 05 Nov   | Thu 06 Nov   | Fri 07 Nov   |
|-------------|--|--|--|--|--|
| 08:15-10:00 | L: Introduction Membrane Physiology I (Pardo) – ENI                              | T: Membrane Physiology I (Pardo/Alcaraz) – ENI                                   | L/C: Ultrasound Imaging (Macé) - ENI   | L: Introduction Membrane Physiology II (Pardo) – ENI   | T & Short Test: Membrane Physiology II (Pardo/Alcaraz) – ENI   |
| 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                                       | 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><br>L: Introduction to Microscopy Techniques (Enderlein) – ENI | <b>14:00-15:45</b><br>L: Introduction to Microscopy Techniques (Enderlein) – ENI | C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Gregor) – ENI / teaching lab<br><b>Group A</b> | C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Gregor) – ENI / teaching lab<br><b>Group B</b> | C: Fluorescence Microscopy Optics/ (non)Confocal Imaging (Enderlein/Gregor) – ENI / teaching lab<br><b>Group C</b> |
|             | <b>16:00-17:45</b><br>L: Introduction to Microscopy Techniques (Enderlein) – ENI | <b>16:00-17:45</b><br>L/C: Live-Cell Imaging (Rizzoli) – ENI                     | C: Ultrasound Imaging (Macé) – BIN, 1 <sup>st</sup> floor, Macé lab<br><b>Group C</b>                              | C: Ultrasound Imaging (Macé) – BIN, 1 <sup>st</sup> floor, Macé lab<br><b>Group A</b>                              | C: Ultrasound Imaging (Macé) – BIN, 1 <sup>st</sup> floor, Macé lab<br><b>Group B</b>                              |
|             |  |  | C: Nanobody Staining + STED Imaging (Rizzoli/Bogaciu) – Physiology 2.124<br><b>Group B</b>                         | C: Nanobody Staining + STED Imaging (Rizzoli/Bogaciu) – Physiology 2.124<br><b>Group C</b>                         | C: Nanobody Staining + STED Imaging (Rizzoli/Bogaciu) – Physiology 2.124<br><b>Group A</b>                         |

| W 7         | Mon 10 Nov  | Tue 11 Nov   | Wed 12 Nov   | Thu 13 Nov  | Fri 14 Nov   |
|-------------|---|--|--|---|--|
| 08:15-10:00 | L: Membrane Physiology & Ion Channels (Pardo) – ENI                           | T: Membrane Physiology & Ion Channels (Pardo/Alcaraz) – ENI                  | L: Membrane Physiology & Ion Channels (Pardo) – ENI  | C: Scientific Communication 'Oral' (Kluempers) – ENI                          | T & Short Test: Membrane Physiology & Ion Channels (Pardo/Alcaraz) – ENI     |
| 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 | <b>10:30-12:00</b><br>L: FLIM (Wouters) – ENI        |   | T & Short Test: Statistics (Friede/ Leha) – Med. Statistics CIP room         |
| 14:00-18:00 | <b>14:00-15:45</b><br>L: Introduction Patch Clamp Techniques (Schlüter) – ENI | C: Demo Patch Clamp Techniques (Schlüter) – Psychiatry UMG<br><b>Group A</b> | C: Scientific Communication 'Oral' (Kluempers) – ENI | <b>13:00-18:00</b><br>C: Decision Making & Setting Priorities (Botella) - ENI | C: Demo Patch Clamp Techniques (Schlüter) – Psychiatry UMG<br><b>Group B</b> |
|             | <b>16:00-17:45</b><br>L: Neurophysiology of Plasticity (Schlüter) – ENI       |  |  |   |  |

| W 8         | Mon 17 Nov   | Tue 18 Nov   | Wed 19 Nov   | Thu 20 Nov   | Fri 21 Nov  |
|-------------|--|--|--|--|---|
| 08:15-10:00 | 8:45-11:15<br>C: PYTHON Practical Course (Römschied) – ENI                       | L: Membrane Physiology & Ion Channels (Pardo) – ENI                                    | T: Membrane Physiology & Ion Channels (Pardo/NN) – ENI                                 | L: Membrane Physiology & Ion Channels (Pardo) – ENI                                    | T & Short Test: Membrane Physiology & Ion Channels (Pardo/NN) – ENI |
| 10:30-12:15 | 11:45-13:15<br>L: Introduction Cell Culture Methods (Rhee) – MPI-NAT City Campus | L/C: Biopsychology of Cognition and Emotion (Schacht) – ENI                            | L/C: Electrophysiological Techniques/Amplifiers (Taschenberger) – ENI                  | T/C: Electrophysiological Techniques/Amplifiers (Alcaraz/Chen) – ENI                   | 12:00-18:00<br>C: Scientific Writing and Graphics (Dean) – ENI      |
| 14:00-18:00 | C: Demo Patch Clamp Techniques (Schlüter) – Psychiatry UMG<br><b>Group C</b>     | C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus<br><b>Group C</b> | C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus<br><b>Group A</b> | C: Introduction to Cell Culture Methods (Rhee) – MPI-NAT City Campus<br><b>Group B</b> |   |
|             |  | C: EEG-Tutorial (Schacht, Grassi) – ENI<br><b>Group B</b>                              | C: EEG-Tutorial (Schacht, Grassi) – ENI<br><b>Group C</b>                              | C: EEG-Tutorial (Schacht, Grassi) – ENI<br><b>Group A</b>                              |   |

**Course Week (24.– 28.11.): Schwann-Schleiden Research Centre, Julia-Lermontowa-Weg 3 (next to the ENI)**

1<sup>st</sup> meeting Monday, 24<sup>th</sup> Nov, 8:15h seminar room 4<sup>th</sup> floor (exact rooms will be announced)

| W 9         | Mon 24 Nov  | Tue 25 Nov   | Wed 26 Nov                                      | Thu 27 Nov                                   | Fri 28 Nov   |
|-------------|---|--|---|--|--|
| 08:15-18:00 | 8:15-09:45<br>L: Visual Sense of Arthropod (Heinrich)       | <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.<br/>Details will be announced in a scriptum that will be made available before the start of the course week.</i> | C: Visual sense of arthropods (Heinrich)        | C: Physiology of locust leg muscles (Cillov) | C: Recording of compound action potentials from earthworm giant interneurons (Hehlert) |
|             | 10:00-11:30<br>L: Arthropod Muscle Systems (Cillov)         |  |   |  |  |
|             | 13:00-14:30<br>L: Olfaction in Zebrafish (Frank)            |  |   |  |  |
|             | 14:45-16:15<br>L: Action potentials in Earthworms (Hehlert) |  |   |  |  |
|             |   |  | C: Olfaction in Zebrafish (Frank, Offner) – ENI |  |  |

| W 10        | Mon 01 Dec   | Tue 02 Dec   | Wed 03 Dec  | Thu 04 Dec  | Fri 05 Dec   |
|-------------|--|--|---|---|--|
| 08:15-10:00 | SELF STUDY   | T: Synaptic Transmission & Integration (NN/NN) – ENI                 | 8:45-10:45<br>C: PYTHON Practical Course (Römschied) – ENI  | T: Synaptic Transmission & Integration (NN/NN) – ENI                        | T & Short Test: Synaptic Transmission & Integration (NN/NN) – ENI                                    |
| 11:00-12:45 | L: Synaptic Transmission & Integration (Rizzoli) – ENI | L: Synaptic Transmission & Integration (Rizzoli) – ENI               | L: Synaptic Transmission & Integration (Rizzoli) – ENI  | L: Synaptic Transmission & Integration (Rizzoli) – ENI                      | L: Voltage Clamp Recordings (Pardo) – ENI  |
| 14:00-18:00 | C: PYTHON Practical Course (Römschied) – ENI           | 14:00-15:45<br>L: Electrophysiology on cultured Neurons (Rhee) – ENI | C: Electrophysiology on cultured Neurons (Rhee) – MPI-NAT<br><b>Group C</b>                         | C: Electrophysiology on cultured Neurons (Rhee) – MPI-NAT<br><b>Group B</b> | C: Electrophysiology on cultured Neurons (Rhee) – MPI-NAT<br><b>Group A</b>                          |
|             |  |  | C: Invasive Electrophysiology in Humans (Schwiedrzik/Cremer/Campos Perez) – ENI<br><b>Group A/B</b> |   | C: Invasive Electrophysiology in Humans (Báez-Mendoza/Cremer/Campos Perez) – ENI<br><b>Group C/B</b> |

**Block C (M.Neuro.13, M.Neuro.21, M.Neuro.22, M.Neuro.31, M.Neuro.25): Molecular Biology and Neurogenetics**

| W 11        | Mon 08 Dec                                   | Tue 09 Dec  | Wed 10 Dec   | Thu 11 Dec   | Fri 12 Dec   |
|-------------|--|---|--|--|--|
| 08:15-10:00 | L: DNA/Genome (Brose) – ENI                  | T: DNA/Genome (Banerjee/Saade) – ENI                  | 8:45-11:15<br>C: PYTHON Practical Course (Römschied) – ENI   | L: Transcription/ RNA / Translation (Brose) – ENI  | T & Short Test: Transcription/ Translation (Banerjee/Saade) – ENI                                      |
| 10:15-12:00 | L: Genetic Engineering/CRISPR (Wojcik) – ENI | T: Genetic Engineering/CRISPR (Banerjee, Saade) – ENI | 11:45-13:15<br>T/C: Neuroproteomics (O. Jahn) – MPI-NAT City Campus                                    | SELF STUDY   | SELF STUDY   |
| 14:00-18:00 | C: PYTHON Practical Course (Römschied) – ENI | L/C: Introduction to Neuroproteomics (O. Jahn) – ENI  | L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus<br><b>Group B</b>               | L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus<br><b>Group C</b>               | L/C: PCR, plasmids and electrophoresis (Göbbels) – MPI-NAT City Campus<br><b>Group A</b>               |
|             |  |   | L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus<br><b>Group C</b>            | L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus<br><b>Group A</b>            | L/C: Western Blotting and protein analysis (Wojcik) – MPI-NAT City Campus<br><b>Group B</b>            |
|             |  |   | L/C: Protein purification and chromatography (Stausberg/Ewers) – MPI-NAT City Campus<br><b>Group A</b> | L/C: Protein purification and chromatography (Stausberg/Ewers) – MPI-NAT City Campus<br><b>Group B</b> | L/C: Protein purification and chromatography (Stausberg/Ewers) – MPI-NAT City Campus<br><b>Group C</b> |

| W 12        | Mon 15 Dec   | Tue 16 Dec | Wed 17 Dec      | Thu 18 Dec      | Fri 19 Dec      |
|-------------|--|------------|-----------------|-----------------|-----------------|
| 08:15-12:00 | Evaluation of all classes – individually, online via Stud.IP |            | Christmas Break | Christmas Break | Christmas Break |
| 14:00-18:00 | SELF STUDY   | SELF STUDY |                 |                 |                 |

**Christmas break 17.12.2025 – 04.01.2025**

### 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 05 Jan  | Tue 06 Jan                         | Wed 07 Jan | Thu 08 Jan                    | Fri 09 Jan                             |
|-------------|---|------------------------------------|------------|-------------------------------|--|
| 08:15-10:00 | L: Protein Biosynthesis and Structure of Membrane Proteins (Kovtun) – ENI | T: Protein Biosynthesis (NN) – ENI | SELF STUDY | L: Trafficking (Kovtun) – ENI | T & Short Test: Trafficking (NN) – ENI |
| 11:00-18:00 | LR 1  | LR 1                               | LR 1       | LR 1                          | LR 1                                   |

| W 14        | Mon 12 Jan  | Tue 13 Jan  | Wed 14 Jan  | Thu 15 Jan   | Fri 16 Jan  |
|-------------|---|---|---|--|---|
| 08:15-10:00 | L: Signal Transduction I (Outeiro) – ENI                                  | T: Signal Transduction (Outeiro/NN) – ENI   | L/C: Introduction Animal Experiments (Wilken) – MPI-NAT City Campus Neuro / Molbio        | L: Signal Transduction II (Outeiro) – ENI  | T & Short Test: Signal Transduction (Outeiro/NN) – ENI                                    |
| 10:30-12:00 | L: Protein Biosynthesis and Structure of Membrane Proteins (Kovtun) – ENI | 10:30-11:15<br>Preparatory exam: Experimental Animal Course (Silter) – ENI<br><b>only full course</b> | 10:30-14:00<br>Experimental Animal Course (Silter/NN) – UMG<br><b>Certificate Group A</b> | T: Protein Biosynthesis (Darge) – ENI<br>10:30-14:00<br>Experimental Animal Course (Silter/NN) – UMG<br><b>Certificate Group A</b> | 10:30-14:00<br>Experimental Animal Course (Silter/NN) – UMG<br><b>Certificate Group A</b> |
| 13:00-18:00 | LR 1  | LR 1  | LR 1  | LR 1   | LR 1  |

| W 15        | Mon 19 Jan  | Tue 20 Jan  | Wed 21 Jan  | Thu 22 Jan  | Fri 23 Jan  |
|-------------|---|---|---|---|---|
| 08:15-10:00 | L: Microglia/Astrocytes (Saher) – MPI-NAT City Campus                       | L: Oligodendrocytes & Schwann Cells (Werner) – MPI-NAT City Campus (seminar room behind library)  | T: Glia (Wildenburg/Hantakova) – MPI-NAT City Campus                                      | L: Neurogenetics & Mouse models (Goebbels) – MPI-NAT City Campus                          | T & Short Test: Neurogenetics & Mouse models (Wildenburg/Mao) – MPI-NAT City Campus |
| 10:30-12:00 | L: Trafficking (Kovtun) – MPI-NAT City Campus (seminar room behind library) | T & Short Test: Trafficking (Ahn, Darge) – MPI-NAT City Campus (seminar room behind library)<br>10:30-14:00<br>Experimental Animal Course (Silter/NN) – UMG<br><b>Certificate Group B</b> | 10:30-14:00<br>Experimental Animal Course (Silter/NN) – UMG<br><b>Certificate Group B</b> | 10:30-14:00<br>Experimental Animal Course (Silter/NN) – UMG<br><b>Certificate Group B</b> | LR 1  |
| 14:30-18:00 | LR 1  | LR 1  | LR 1  | LR 1  |   |

**Block D (M.Neuro.14, M.Neuro.24, M.Neuro.25): Modelling, Autonomous Nervous System, Pharmacology**

| W 16        | Mon 26 Jan                                   | Tue 27 Jan                                      | Wed 28 Jan   | Thu 29 Jan  | Fri 30 Jan   |
|-------------|--|---|--|---|--|
| 08:15-10:00 | L: Autonomous Nervous System (Wouters) – ENI | T: Autonomous Nervous System (Wouters/NN) – ENI | L: Neuronal Control of Breathing and Circulation I (Wouters) – ENI | L: Neuronal Control of Breathing and Circulation II (Wouters) – ENI | T & Short Test: Autonomous Nervous System/Neuronal Control of Breathing and Circulation (Wouters/NN) – ENI |
| 11:00-18:00 | LR 1   | LR 1  | LR 1   | LR 1  | LR 1   |

| W 17        | Mon 02 Feb   | Tue 03 Feb   | Wed 04 Feb | Thu 05 Feb   | Fri 06 Feb  |
|-------------|--|--|------------|--|---|
| 08:15-10:00 | L: Neuroimmunology (Flügel/Lühder) – BIN conference room 3 <sup>rd</sup> floor | T: Neuroimmunology (Lodygin/Odoardi) – BIN conference room 3 <sup>rd</sup> floor | LR 1       | L: Neuroimmunology (Flügel/Lühder) – BIN conference room 3 <sup>rd</sup> floor | T & Short Test: Neuroimmunology (Lodygin/Odoardi) – BIN conference room 3 <sup>rd</sup> floor |
| 11:00-18:00 | LR 1   | LR 1   |            | 13:00-16:30<br>C: Poster Presentations (Kluempers) - ENI                       | LR 1  |

| W 18        | Mon 09 Feb   | Tue 10 Feb  | Wed 11 Feb  | Thu 12 Feb   | Fri 13 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 ( <i>Python</i> ) (Tetzlaff) – ENI | LR 1  | T/C: Comp. Neurosc.: Recurrent neural networks ( <i>Brian</i> ) (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 19        | Mon 16 Feb                            | Tue 17 Feb                             | Wed 18 Feb                              | Thu 19 Feb | Fri 20 Feb  |
|-------------|---------------------------------------|--|---|------------|---|
| 08:15-10:00 | L: Neuroendocrinology I (Antal) – ENI | L: Neuroendocrinology II (Antal) – ENI | L: Neuroendocrinology III (Antal) – ENI | SELF STUDY | T & Short Test: Neuroendocrinology (Antal/NN) – ENI 2.006 |
| 11:00-18:00 | LR 1                                  | LR 1                                   | LR 1                                    | LR 1       | LR 1  |

| W 20        | Mon 23 Feb  | Tue 24 Feb   | Wed 25 Feb | Thu 26 Feb   | Fri 27 Feb  |
|-------------|---|--|------------|--|---|
| 08:15-10:00 | L: Neuropharmacology I (Sereda) – MPI NAT City Campus | T: Neuropharmacology I (Ewers) – MPI NAT City Campus (seminar room behind library) | SELF STUDY | 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  |

| <b>W 21</b>          | <b>Mon 02 Mar</b>   | <b>Tue 03 Mar</b>   | <b>Thu 04 Mar</b>   | <b>Thu 05 Mar</b>                                      | <b>Fri 06 Mar</b>                                      |
|----------------------|---|---|---|--|--|
| <b>08:15-10:00</b>   | L: Psychophysics & Behavioral Analysis (Treue) – ENI                | T: Psychophysics & Behavioral Analysis (NN) – ENI                   | SELF STUDY  | L: Behavioral Analysis in rodents (Baez-Mendoza) – ENI | T: Behavioral Analysis in rodents (Baez-Mendoza) – ENI |
| <b>10:30 – 13:30</b> | C: Psychophysics & Behavioral Analysis (NN) – DPZ<br><b>Group A</b> | C: Psychophysics & Behavioral Analysis (NN) – DPZ<br><b>Group B</b> | C: Psychophysics & Behavioral Analysis (NN) – DPZ<br><b>Group C</b> |  | <b>LR 2</b>  |
| <b>14:00-18:00</b>   | <b>LR 2</b>   | <b>LR 2</b>   | <b>LR 2</b>   | <b>LR 2</b>  |  |

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

| W 22        | Mon 09 Mar                                  | Tue 10 Mar                                      | Wed 11 Mar   | Thu 12 Mar  | Fri 13 Mar   |
|-------------|---|---|--|---|--|
| 08:15-10:00 | L: General Sensory Physiology (Kusch) – ENI | T: General Sensory Physiology (Kusch /NN) – ENI | LR1 Seminar: Louana, Evgeniia, Eja, Yağmur (Barnstedt) – ENI                         | L: Somatic Senses (Moser) – HNO<br>Konferenzraum Raum 3.D4 687, UMG | T & Short Test: Somatic Senses (Moser /NN) – HNO<br>Konferenzraum Raum 3.D4 687, UMG |
| 11:00-18:00 | LR 2  | LR 2  | 10:15-12:00<br>LR1 Seminar: Başak, Anna, Amy (Wichmann) – ENI<br>13:00-18:00<br>LR 2 | LR 2  | LR 2   |

| W 23        | Mon 16 Mar                   | Tue 17 Mar                                      | Wed 18 Mar   | Thu 19 Mar   | Fri 20 Mar   |
|-------------|------------------------------|---|--|--|--|
| 08:15-10:00 | L: Audition (Pangrsic) – ENI | T: Auditory Physiology (Pangrsic/J. Neef) – ENI | LR1 Seminar: Subean, Thomas, Chandra (Fernández-Busnadiego) – ENI                                | L: Clinical Sensory Physiology (Moser) – HNO<br>Konferenzraum Raum 3.D4 687, UMG | T & Short Test: Clinical Sensory Physiology (Moser/ Neef) – HNO<br>Konferenzraum Raum 3.D4 687, UMG                            |
| 11:00-18:00 | LR 2                         | LR 2  | 10:15-12:15<br>LR1 Seminar: Yuxiao, Mireia, Carlos, Diego (Göpfert) – ENI<br>13:00-18:00<br>LR 2 | LR 2   | 10:15-12:00<br>Demo: Clinical Sensory Physiology (Moser/Neef) – HNO<br>Konferenzraum Raum 3.D4 687, UMG<br>13:00-18:00<br>LR 2 |

| W 24        | Mon 23 Mar                 | Tue 24 Mar                                 | Wed 25 Mar  | Thu 26 Mar                      | Fri 27 Mar                                    |
|-------------|----------------------------|--|---|---------------------------------|---|
| 08:15-10:00 | L: Vision (Gollisch) – ENI | T & Short Test: Vision (Gollisch/NN) – ENI | LR1 Seminar: Ceylin, Ayan, Frieda, Nikhil (Pardo) – ENI                                       | L: Chemosensation (Frank) – ENI | T & Short Test: Chemosensation (Offner) – ENI |
| 11:00-18:00 | LR 2                       | LR 2                                       | 10:15-12:15<br>LR1 Seminar: Kim, Gaia, Florian, Jascha (Petzold) – ENI<br>13:00-18:00<br>LR 2 | LR 2                            | LR 2  |

**Easter Break 28.03. – 05.04.2025**

| W 25        | Mon 06 Apr                        | Tue 07 Apr                     | Wed 08 Apr                       | Thu 09 Apr                 | Fri 10 Apr   |
|-------------|-----------------------------------|--------------------------------|----------------------------------|----------------------------|--|
| 08:15-10:00 | <b>HOLIDAY</b><br>(Easter Monday) | L: Higher Vision (Treue) – ENI | T: Higher Vision (Calapai) – ENI | L: Attention (Treue) – ENI | T & Short Test: Higher Vision/ Attention (Calapai) – ENI |
| 11:00-18:00 |                                   | LR2                            | LR 2                             | LR 2                       | LR 2   |

| W 26        | Mon 13 Apr | Tue 14 Apr   | Wed 15 Apr   | Thu 16 Apr  | Fri 17 Apr |
|-------------|------------|--|--|---|------------|
| 08:15-10:00 | SELF STUDY | L: Muscle & Spinal Motor Systems I (Scherberger) – ENI | L: Muscle & Spinal Motor Systems II (Scherberger) – ENI  | T & Short Test: Muscle & Spinal Motor Systems (Scherberger) – ENI | SELF STUDY |
| 11:00-18:00 | LR 2       | LR 2   | <b>13:00-19:00</b><br>Demo: Functional Topography of the Human Brain (Chao) – meeting point: entrance hall Anatomy | LR 2  | LR 2       |

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

| W 27        | Mon 20 Apr  | Tue 21 Apr  | Wed 22 Apr   | Thu 23 Apr | Fri 24 Apr   |
|-------------|---|---|--|------------|--|
| 08:15-10:00 | L: Functional Neuroanatomy (Bähr) – online via zoom | 11:00-12:45<br>L: Stroke (Reinecke, Tatenhorst) – online via zoom | 8:15-10:00<br>T & Short Test: Functional Neuroanatomy/ Stroke (Reinecke) – ENI | SELF STUDY | 08:15-10:45<br>L/T: Neuromuscular Disorders / Motoneuron Disorders (Zschüntzsch) – ENI |
| 11:00-18:00 | LR 2  | 14:00 – 18:00<br>LR 2   | 14:00 – 18:00<br>LR 2  | LR 2       | LR 2   |

| W 28        | Mon 27 Apr                | Tue 28 Apr  | Wed 29 Apr                              | Thu 30 Apr   | Fri 01 May          |
|-------------|---------------------------|---|---|--|---------------------|
| 08:15-10:00 | L: Epilepsy (Focke) – ENI | 08:15-10:45<br>T & Demo: EEG (Focke) – UMG (room tbc) | L: Central Motor Systems (Sommer) – ENI | T & Short Test: Central Motor Systems/ Epilepsy (Sommer/Focke) – ENI | Holiday (Labor Day) |
| 11:00-18:00 | LR 2                      | LR 2  | LR 2                                    | LR 2   |                     |

| W 29        | Mon 04 May  | Tue 05 May  | Wed 06 May  | Thu 07 May   | Fri 08 May |
|-------------|---|---|---|--|------------|
| 08:15-10:00 | L: Mechanisms of Learning & Memory: Hippocampus (Fischer) – ENI | T: Mechanisms of Memory & Learning (Fischer/NN) – ENI | L: Memory Loss/ Neurodegeneration (Fischer) - ENI | T & Short Test: Neurodegeneration (Fischer/NN) – ENI | SELF STUDY |
| 11:00-18:00 | LR 3  | LR 3  | LR 3  | LR 3   | LR 3       |

| W 30        | Mon 11 May  | Tue 12 May  | Wed 13 May   | Thu 14 May              | Fri 15 May |
|-------------|---|---|--|-------------------------|------------|
| 08:15-10:00 | L: Learning & Memory in non-mammalian species (Frank) - ENI | T: Learning & Memory in non-mammalian species (Frank) – ENI | 08:15-13:00<br>LR2 Poster Session (Dresbach, Frank, Petzold) – ENI | Holiday (Ascension Day) | SELF STUDY |
| 11:00-18:00 | LR 3  | LR 3  | LR 3   |                         | LR 3       |

| W 31        | Mon 18 May   | Tue 19 May | Wed 20 May | Thu 21 May | Fri 22 May |
|-------------|--|------------|------------|------------|------------|
| 08:15-10:00 | SELF STUDY   | Neurizons  | Neurizons  | Neurizons  | Neurizons  |
| 11:00-18:00 | 10:30-12:00<br>Plenary Meeting for Counselling Sessions (Barth/ Burkhardt) – ENI | LR 3       | LR 3       | LR 3       | LR 3       |
|             | LR 3   |            |            |            |            |

| W 32        | Mon 25 May                       | Tue 26 May  | Wed 27 May  | Thu 28May   | Fri 29 May  |
|-------------|----------------------------------|---|---|---|---|
| 08:15-10:00 | <b>HOLIDAY<br/>(Whit Monday)</b> | L: Alzheimer's disease and related disorders I (Bayer) – ENI              | T: Alzheimer's disease and related disorders I (Bayer/Bouter) – ENI       | L: Alzheimer's disease and related disorders II (Bayer) – ENI             | T & Short Test: Alzheimer's disease and related disorders II (Bayer/Bouter) – ENI |
| 11:00-18:00 |                                  | 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         |
|             |                                  | <b>LR 3</b>   | <b>LR 3</b>   | <b>LR 3</b>   | <b>LR 3</b>   |

| W 33        | Mon 01 June  | Tue 02 June  | Wed 03 June  | Thu 04 June                                | Fri 05 June                                |
|-------------|--|--|--|--|--|
| 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 | <b>8:15-12:30</b><br>L/T: Depression (Begemann) – MPI-NAT City Campus Lecture Hall | L: Reward and Decision-Making (Kagan)- ENI | T: Reward and Decision-Making (Kagan)- 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>                                |

| W 34        | Mon 08 June                                  | Tue 09 June                                     | Wed 10 June  | Thu 11 June                    | Fri 12 June                                    |
|-------------|--|---|--|--------------------------------|--|
| 08:15-10:00 | L: Aphasia and Spatial Neglect (Wilke) – ENI | T: Aphasia and Spatial Neglect (Wilke/NN) – ENI | <b>8:15-12:30</b><br>L/T: Schizophrenia I & II – interactive lecture (Begemann) – MPI-NAT City Campus Lecture Hall | 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 15 June                                       | Tue 16 June   | Wed 17 June  | Thu 18 June   | Fri 19 June   |
|-------------|---|---|--|---|---|
| 08:15-10:00 | To be determined, e.g.<br><i>L: Sleep (Owald)</i> | To be determined, e.g.<br><i>L: Brain Machine Interface / Neuroprosthetics (Gail)</i> | To be determined, e.g.<br><i>L: Computational Neuroscience and Circuit and Systems Modelling (Jaramillo)</i> | To be determined, e.g.<br><i>L: Future and Frontiers in Synapse and Plasticity Research (Rizzoli)</i> | L: Ideas of Mind in Philosophy, Psychology, and the Neurosciences (Quigley) – ENI |
| 11:00-18:00 | LR 3  | LR 3  | LR 3   | LR 3  | LR 3  |

| W 36        | Mon 22 June   | Tue 23 June  | Wed 24 June   | Thu 25 June | Fri 26 June |
|-------------|---|--|---|-------------|-------------|
| 08:15-10:00 | To be determined, e.g.<br><i>L: Calcium in Synaptic Release (Neher)</i> | To be determined, e.g.<br><i>L: Brain Organoids and Neurodevelopment (Zafeiriou)</i> | To be determined, e.g.<br><i>L+T: Neuronal Plasticity (Löwel)</i> | SELF STUDY  | SELF STUDY  |
| 11:00-18:00 | LR 3  | LR 3   | LR 3  | LR 3        | LR 3        |

| W 37        | Mon 29 Jun  | Tue 30 Jun  | Wed 01 July   | Thu 02 July  | Fri 03 July   |
|-------------|---|---|---|--|---|
| 08:15-10:00 | <b>8:15-12:30</b><br>L/T: Autism Spectrum Disorders – interactive lecture (Begemann) – MPI-NAT City Campus Lecture Hall | To be determined, e.g.<br><i>L: How can theoretical neuroscience guide experimentalists? (Wolf)</i> | To be determined, e.g.<br><i>L+T: Optogenetics (Moser)</i>  | To be determined, e.g.<br><i>L: Evidence-Based Phytopharmacology to Treat Diseases of the Nervous System (Dietz)</i> | <b>How to make it stick? Talking   Teaching   Learning (Thielsch) – ENI</b> |
| 10:30-12:15 |   | To be determined  | To be determined  | To be determined   | To be determined  |
| 14:00-18:00 | To be determined  | To be determined  | <b>15:00-18:00</b><br>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)<br><a href="#">Kreuzberggring 36</a> , Dept. Dresbach/ Staiger        |
| BIN:                          | Institute for Biostructural Imaging of Neurodegeneration (3 <sup>rd</sup> floor conference room)<br><a href="#">von-Sieboldt-Str. 3a</a>                            |
| DPZ:                          | German Primate Center, <a href="#">Kellnerweg 4</a> , Main Building, Seminar room, ground Floor   |
| 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<br>Justus-von-Liebig-Weg 11 (Coordination Office Molecular Biology)  |
| Med. Statistics:              | Department of Medical Statistics (Prof. Friede, ground floor)<br>Humboldtallee 32   |
| MPI-NAT                       | Max Planck Institute for Multidisciplinary Sciences (Prantl Lecture Hall), <a href="#">Am Fassberg 11</a>   |
| MPI-NAT City Campus:          | Max Planck Institute for Multidisciplinary Sciences – City Campus (lecture hall or laboratories)<br><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> )<br>Humboldtallee 23   |
| Psychiatry UMG:               | University Medical Center Göttingen, Dept. Psychiatry and Psychotherapy<br><a href="#">Von-Sieboldt-Str. 5</a> , room no 01 E128 (contact the gatekeeper for entry) |
| Schwann-Schleiden/<br>Zoology | Schwann-Schleiden Research Centre ( <a href="#">seminar room 4th floor</a> )<br>Julia-Lermontowa-Weg 3  |
| UMG (Depts.):                 | University Medical Center Göttingen<br><a href="#">Robert-Koch-Str. 40</a>  |

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

**Group A:** Ayan, Carlos, Ceylin, Jascha, Eja, Evgeniia, Frieda, Louana

**Group B:** Chandra, Diego, Florian, Kim, Mireia, Subean, Yağmur

**Group C:** Amy, Anna, Başak, Gaia, Nikhil, Thomas, Yuxiao