

Master “Interdisciplinary Neuroscience”

Lecture “Neuroscience I – selected topics ” WS 2025/26

update October 2025

Venue:

please see the respective date

Topics of the lecture are structured +/- according to the chapters in the textbook Bear et al: “Neuroscience: Exploring the brain” (4th edition)

		Lecturer	Topic
Mon, 24.11.25 09:00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 6	Gottschalk	Synaptic Transmission / Neurotransmitter Systems
Wed, 26.11.25 09:00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 2	Hefendehl	Alzheimer’s disease and stroke
Mon, 01.12.25 09:00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 2	Hefendehl	Microglia, Neurovascular Unit
Wed, 03.12.25 09 :00 + 11:00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 8	Grünewald	The Chemical Senses
Mon, 08.12.25 16 :00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 9	Peichl	The Eye /Central Visual System
Wed, 10.12.25 09 :00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 10	Peichl	The Eye /Central Visual System
Mon, 15.12.25 16 :00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 11	Laurens (ESI)	Vestibular System
Wed, 17.12.25 09:00 + 11:00 Sem Campus Niederrad or online?	Chapter 12	Hechavarria	Central Auditory System
Thu, 18.12.25 08:00 + 10 :00 Sem Campus Niederrad Neuroscience Center, seminar room	Chapter 13	Roeper	Control of Movement
Fri, 19.12.25 08:00 Campus Niederrad Neuroscience Center, seminar room	Chapter 14	Roeper	Control of Movement
Mon, 12.01.26 16 :00 Campus Niederrad Neuroscience Center, seminar room	Chapter 15	Bas Orth	Chemical Control of the Brain and Behavior

Wed, 14.01.26 09:00 + 11:00 Sem Campus Niederrad Neuroscience Center, seminar room	Chapter 16,17,18	Duvarci	Affective Neuroscience/Emotions
Mon, 19.01.26 16:00 Campus Niederrad Neuroscience Center, seminar room	Chapter 16,17,18	Duvarci	Affective Neuroscience/Motivation
Wed, 21.01.26 09:00 + 11:00 Sem Campus Niederrad Seminar room in the CoBIC*	Chapter 20	Kell	Speech and Language I
Mon, 26.01.26 16:00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 23	Acker-Palmer	Wiring the Brain
Wed, 28.01.26 09:00 + 11:00 Sem Campus Riedberg Lecture hall MPIBR **	Chapter 19	Laurent (MPIBR)	Sleep and its evolution
Mon, 02.02.26 09:00 Campus Niederrad Seminar room in the CoBIC*		Thanarajah	Metabolic Mental Health
Wed, 04.02.26 09:00 + 11:00 Sem Campus Niederrad	Chapter 22	Sigurdsson	Mental Illness
Mon, 09.02.26 10 :00 Campus Riedberg OSZ H5	Lecture	Büchel	Rules of good scientific practice
Mon, 09.02.26 16:00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 24,25	Grünwald	Neurobiology of Learning and Memory
Wed, 11.02.26 09:00 + 11:00 Sem Campus Riedberg Biologicum Lecture Hall 2 (Bio -1.203)	Chapter 24,25	Grünwald	Molecular mechanisms of Learning and Memory formation
Wed, 18.02.26 09:30 -12 :30 Campus Niederrad***	hands-on course	Rami	Human Brain Anatomy

* CoBIC = Cooperative Brain Imaging Center, Campus Niederrad, Building 88, Heinrich-Hoffmann-Straße 9

** MPI for Brain Research, Max-von-Laue Str. 4

*** Human Brain Anatomy – Campus Niederrad, preparation course room in building 27

Exam: Tue, 24.2.26 // 10:00 // Campus Riedberg, Biologicum, lecture hall 2, Bio -1.203

Redo-exam: to be announced