

Master “Interdisciplinary Neuroscience”

Lecture “Neuroscience I – selected topics ”

WS 2026/27 update: 19.8.26

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, 23.11.26 09:00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 6	Gottschalk	Synaptic Transmission / Neurotransmitter Systems
Wed, 25.11.26 09:00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 2	Hefendehl	Alzheimer’s disease and stroke
Mon, 30.11.26 09:00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 2	Hefendehl	Microglia, Neurovascular Unit
Wed, 02.12.26 09:00 + 11:00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 8	Grünewald	The Chemical Senses
Mon, 07.12.26 16:00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 9	Peichl	The Eye /Central Visual System
Wed, 09.12.26 09 :00 + 11 :00 Sem Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 10	Peichl	The Eye /Central Visual System
Mon, 14.12.26 16:00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 11	Laurens (ESI)	Vestibular System
Tue, 15.12.26 09:00 + 11:00 Sem Campus Riedberg Lecture hall MPIBR **	Chapter 19	Laurent (MPIBR)	Sleep and its evolution
Wed, 16.12.26 09:00 + 11:00 Sem Campus Niederrad CoBIC, seminar room*	Chapter 12	Sigurdsson	The Auditory System
Thu, 17.12.26 09:00 + 11:00 Sem Campus Niederrad CoBIC, seminar room*	Chapter 13	Roeper	Control of Movement
Fri, 18.12.26 09:00 Campus Niederrad CoBIC, seminar room*	Chapter 14	Roeper	Control of Movement

Mon, 11.01.27 16:00 Campus Riedberg Biologicum seminar room 2 (Bio -1.301)	Chapter 23	Acker-Palmer	Wiring the Brain
Wed, 13.01.27 09:00 + 11:00 Sem Campus Niederrad CoBIC, seminar room*	Chapter 16,17,18	Duvarci	Affective Neuroscience/Emotions
Mon, 18.01.27 16:00 Campus Niederrad CoBIC, seminar room*	Chapter 16,17,18	Duvarci	Affective Neuroscience/Motivation
Tue, 19.01.27 09:00 + 11:00 Sem Campus Niederrad CoBIC, seminar room*	Chapter 20	Kell	Speech and Language I
Mon, 25.01.27 16:00 Campus Niederrad CoBIC, seminar room*	Chapter 15	Bas Orth	Chemical Control of the Brain and Behavior
Mon, 01.02.27 09:00 Campus Niederrad CoBIC, seminar room*		Thanarajah	Metabolic Mental Health
Wed, 03.02.27 10:00 + 12:00 Sem Campus Niederrad CoBIC, seminar room*	Chapter 22	Slattery	Mental disorders: From bench to bedside
Mon, 08.02.27 10 :00 Campus Riedberg Otto-Stern-Zentrum, Lecture Hall 5	Lecture	Büchel	Rules of good scientific practice
Mon, 08.02.27 16:00 Campus Riedberg Biologicum Lecture hall 2 (Bio -1.203)	Chapter 24,25	Grünwald	Neurobiology of Learning and Memory
Wed, 10.02.27 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
Thu, 18.02.27 Time tba 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: Tuesday, 23.2.27 // 10:00 // Campus Riedberg, Biologicum, lecture hall 2, Bio -1.203

Redo-exam: Thursday, 25.3.27 // 10:00 // Campus Riedberg, Biologicum, seminar room 2 (Bio -1.301)