

**Lecture “Neuroscience I – selected topics ”  
WS 2018/19**

Time: Monday, 16 c.t. – 18:00;  
Tuesday, Wednesday, Thursday 9 c.t. – 11:00  
(and 6.12.18, 7.12.18: 8 c.t.)

Venue: Campus Riedberg, Biologicum, Bio -1.203 (basement) , lecture hall 2  
*or*

Campus Niederrad, Building 89, Neuroscience Center, seminar room  
(6.12.18, 7.12.18, 19.12.18, 14.1.19, 21.1.19, 24.1.19)

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

Additional literature to the lecture: Kandel et al.: “Principles of Neural Science”; Galicia & Lledo (eds): “Neurosciences - From Molecule to Behavior: A University Textbook”; Squire et al.: “Fundamental neuroscience”

Date		Lecturer	Topic
Mo, 26.11.18	Lecture 1 Chapter 2	Zimmermann	Neurons and Glia
Wed, 28.11.18	Lecture 2 Chapter 9,10	Peichl	The Eye /Central Visual System
Mo, 3.12.18	Lecture 3 Chapter 9,10	Peichl	The Eye /Central Visual System
TUE ! 4.12.18	Lecture 4 Chapter 8	Grünwald	The Chemical Senses
Wed, 5.12.18	Lecture 5 Chapter 5,6	Klein	Synaptic Transmission / Neurotransmitter Systems
THU ! 6.12.18 8:15	Lecture 6 Chapter 13	Roeper	Control of Movement
FRI ! 7.12.18 08:15	Lecture 7 Chapter 14	Roeper	Control of Movement
Mo, 10.12.18	Lecture 8 Chapter 5,6	Klein	Synaptic Transmission / Neurotransmitter Systems
TUE! 11.12.18	Lecture 9 Chapter 11	Kössl	The Auditory, Vestibular and Somatosensory Systems
Mo, 17.12.18	Lecture 10 Chapter 12	Hechavarria	The Auditory, Vestibular and Somatosensory Systems
TUE ! 18.12.18 16:15	Lecture 11 Chapter 15	Klein	Chemical Control of the Brain and Behavior
Wed, 19.12.18	Lecture 12 Chapter 16,17,18	Duvarci	Affective Neuroscience
Mo, 14.01.19	Lecture 13 Chapter 16,17,18	Duvarci	Affective Neuroscience
Wed, 16.01.19	Lecture 14 Chapter 20	Kössl / Kell	Language (extended lecture ; no seminar that day)

<b>Mo,</b> <b>21.01.19</b>	Lecture 15 Chapter 19	<b>Stehle</b>	Brain Rhythms and Sleep
<b>THU !</b> <b>24.01.19</b>	Lecture 16 Chapter 22	<b>Sigurdsson</b>	Mental Illness
<b>Mo,</b> <b>28.01.19</b>	Lecture 17 Chapter 23	<b>Acker-Palmer</b>	Wiring the Brain
<b>Wed,</b> <b>30.01.19</b>	Lecture 18 Chapter 24,25	<b>Grünewald</b>	Neurobiology of Learning and Memory
<b>Mo,</b> <b>04.02.19</b>	Lecture 19 Chapter 24,25	<b>Grünewald</b>	Molecular mechanisms of Learning and Memory formation
<b>Wed,</b> <b>06.02.19</b>	Lecture 20 Chapter 21	<b>Gaese</b>	Attention
<b>Thu,</b> <b>21.02.19*</b>	hands-on course	<b>Stehle, Rami</b>	Human Brain Anatomy

\* Human Brain Anatomy – Campus Niederrad, preparation course room in building 27, 10:00 - 12:00 and 13:00 - 15:00

Exam: Tuesday, February 26, 2019; 10:00h; Biologicum, room -1.203 (basement) , lecture hall 2

Redo-exam: Tuesday, April 9, 2019; 10:00 h ; Biologicum, room 3.101 (Kösssl group)