

Lecture “Neuroscience I – selected topics ” WS 2019/20

Time:

Monday, 16 c.t. – 18
Tuesday, Wednesday 9 c.t. – 11
(and 5.12.19, 6.12.19: 8 c.t.; 22.1.20: 10 c.t.)

Venue:

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

Campus Niederrad, Building 89, Neuroscience Center, seminar room
(5.12.19, 6.12.19, 18.12.19, 13.1.20, 20.1.20, 29.1.20)

Topics of the lecture are structured according to the chapters in the textbook Bear et al: “Neuroscience: Exploring the brain” (4th 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, 25.11.19	Lecture 1 Chapter 2	Zimmermann	Neurons and Glia
Wed, 27.11.19	Lecture 2 Chapter 5,6	Klein	Synaptic Transmission / Neurotransmitter Systems
Mo, 2.12.19	Lecture 3 Chapter 5,6	Klein	Synaptic Transmission / Neurotransmitter Systems
TUE ! 3.12.19	Lecture 4 Chapter 8	Grünwald	The Chemical Senses
Wed, 4.12.19	Lecture 5 Chapter 9,10	Peichl	The Eye /Central Visual System
THU ! 5.12.19 8 c.t.	Lecture 6 Chapter 13	Roeper	Control of Movement
FRI ! 6.12.19 8 c.t.	Lecture 7 Chapter 14	Roeper	Control of Movement
Mo, 9.12.19	Lecture 8 Chapter 9,10	Peichl	The Eye /Central Visual System
TUE! 10.12.19	Lecture 9 Chapter 11	Kössl	The Auditory, Vestibular and Somatosensory Systems
Mo, 16.12.19	Lecture 10 Chapter 12	Hechavarria	The Auditory, Vestibular and Somatosensory Systems
TUE ! 17.12.19	Lecture 11 Chapter 15	Klein	Chemical Control of the Brain and Behavior
Wed, 18.12.19	Lecture 12 Chapter 16,17,18	Duvarci	Affective Neuroscience
Mo, 13.01.20	Lecture 13 Chapter 16,17,18	Duvarci	Affective Neuroscience
Wed, 15.01.20	Lecture 14 Chapter 20	Kössl / Kell	Language (extended lecture; no seminar that day)

Mo, 20.01.20	Lecture 15 Chapter 19	Stehle/ggf. Maronde	Brain Rhythms and Sleep
Wed, 22.01.20 10 c.t.	Lecture 16 Chapter 21	Gaese	Attention
Mo, 27.01.20	Lecture 17 Chapter 23	Acker-Palmer	Wiring the Brain
Wed, 29.01.20	Lecture 18 Chapter 22	Sigurdsson	Mental Illness
Mo, 03.02.20	Lecture 19 Chapter 24,25	Grünewald	Neurobiology of Learning and Memory
Wed, 05.02.20	Lecture 20 Chapter 24,25	Grünewald	Molecular mechanisms of Learning and Memory formation
Mo, 10.02.20 10-12	<i>together with Master PBioC at Campus Riedberg</i>	Prof. Büchel	<i>Rules of good scientific practice</i>
Wed, 12.02.20*??	hands-on course	Stehle, Maronde, Rami	Human Brain Anatomy

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

Exam: 25.2.20 10:00h; Biologicum, room -1.203 (basement) , lecture hall 2

Redo-exam: TBA 10:00 h ; Biologicum, room 3.101 (Kössl group)