Winter 2022/2023

Focus Subject Neurobiology: Molecular, Cellular, Systemic Neurobiology

Module representative: Prof. Veronica Egger

Lecture period 17.10.2022 - 10.2.2022

MCSN lecture I			**Date, comments**
Basic Neuroscience: Anatomy, development, plasticity	**Monday 8:30-10**		**Room: DE2.121**
Topic	**Lecturer**	**# VL**	**Green : confirmed**
Introduction			
History of neuroscience I: cellular neuroscience	**Egger**	**1**	17.10.
History of neuroscience II: Organization of behaviour	**Brembs**	**2**	24.10.
Neuroanatomy			
Neuroanatomy of the human brain	**Rötzer**	**3** **4**	7.11. 14.11.
Consolidation/Example 1: Neuroanatomy and physiology of motor system	**Lingnau**	**5** **6**	21.11. 28.11.
Consolidation/Example 2: Neuroanatomy and physiology of limbic system	**Neumann**	**7** **8**	5.12. 12.12.
CNS/PNS Development and neuronal stem cell biology	**Schneuwly**	**9** **10**	19.12. 9.1.
Plasticity			
I Vertebrate plasticity	**Egger**	**11**	16.1.
II Invertebrate learning and plasticity	**Brembs**	**12** **13**	23.1. 30.1.
III Epigenetics	**Menon**	**14**	6.2.

MCSN lecture II			**Comments**
Neuronal cell biology, signalling, sensory physiology	**Thursday 8^{30}-10**		**Room: DE2.121**
Topic	**Lecturer**	**# VL**	**Date(s)**
Molecular toolbox			
Signalling/receptors Molecular	**Schneuwly**	**1** **2**	20.10. 27.10.
Transport, cytoskeleton	**Kerkhoff**	**3**	3.11.
Ion channels, GPCRs Synaptic transmission/ electrical signalling	**Wetzel**	**4** **5**	10.11. 17.11.
Examples: Molecular pathways, processing			
Neuropharmacology	**Flor**	**6**	24.11.
Dendritic integration	**Egger**	**7**	1.12.
Sensory transduction and processing			
Chemical senses: Vertebrates Invertebrates	**Egger** **Brembs**	**8** **9**	8.12. 15.12.
Audition	**Marcrum**	**10**	12.1.
Vision vertebrates Vision invertebrates	**Brembs**	**11** **12**	19.1. 26.1.
Neuron-Glia interactions	**Di Benedetto**	**13** **14**	2.2. 9.2.

+ MCSN Methods seminar –Tues 5- 6:30 pm **Room:** SR DE 1.129
To be announced on Oct 17th