

Orientierungsmodul: Neuroscience – The Basics

Week 1:

	Mo, 27.01.2014	Tue, 28.01.2014	Wed, 29.01.2014	Thu, 30.01.2014	Fri, 31.01.2014
9-10		Introduction (AA)	Signaling in the nervous system (AA)	Ion channels and signaling, current and membrane potential, action potential generation (AA)	Action potential propagation, synapses (AA)
10-11					

Week 2:

	Mo, 03.02.2014	Tue, 04.02.2014	Wed, 05.02.2014	Thu, 06.02.2014	Fri, 07.02.2014
9-10	Neuroanatomy I (CH)	Neuroanatomy II (CH)	Neuroanatomy III (CH)	Synaptic plasticity – Learning and memory (FM)	Synaptic plasticity – Synaptogenesis and molecular mechanisms (FM)
10-11					
11-12	Preparatory lecture for afternoon	Preparatory lecture for afternoon	Preparatory lecture for afternoon	Preparatory lecture for afternoon	Seminar
12-13	Lunch	Lunch	Lunch	Lunch	Lunch
13-14	Group A: Physiology Group B: Anatomy				Seminar
14-15					
15-16					
16-17					

Week 3:

	Mo, 10.02.2014	Tue, 11.02.2014	Wed, 12.02.2014	Thu, 13.02.2014	Fri, 14.02.2014
9-10	Synaptic plasticity – Rules of plasticity and learning (FM)	Networks in the brain (AA)	Neural Coding (AA)	Cortical dynamics – Variability and precision (AA)	Neural coding and decoding – Towards Brain-Machine Interfaces (AA)
10-11					
11-12	Preparatory lecture for afternoon	Preparatory lecture for afternoon	Preparatory lecture for afternoon	Preparatory lecture for afternoon	Seminar
12-13	Lunch	Lunch	Lunch	Lunch	Lunch
13-14	Group A: Anatomy Group B: Physiology				Seminar
14-15					
15-16					
16-17					

Klausur am 20. oder 21. Februar 2014