

Lectures spring semester 2009

ZNZ New Advanced course for PhD students

**Mondays, 17:00 – 18:45 Uhr
Lecture hall 17H05
Institute of Pharmacology and Toxicology**

“Functional anatomy of the rodent brain”

Datum	Dozent, Dozentin	Inhalt
16. Febr.	Rebecca Elsässer	Olfactory System
23. Febr.	Rebecca Elsässer	Olfactory System
2. März	Daniel Kiper	Visual System (complementing introductory course)
9. März	Bruno Weber/F. Haiss	Somatosensory System
16. März	Bruno Weber/F. Haiss	Somatosensory System
23. März	Hanns Ulrich Zeilhofer	Pain
30. März	Martin Meyer	Auditory System (complementing introductory course)
6. April	Dominik Straumann	Vestibular System
20. April	Jean-Marc Fritschy	Central autonomic System
27. April	Urs Gerber	Motor System
4. Mai	Gregoire Courtine	Motor System
11. Mai	David Wolfer	Limbic System
18. Mai	David Wolfer	Limbic System
25. Mai	Hans Welzl	Frontal Lobe (Higher cognitive functions)

Coordinators:
Dr. Irene Knuesel/Prof. Jean-Marc Fritschy

ZNZ course “Functional anatomy of the rodent brain”

The goal of this lecture series is to provide comprehensive insights into the neuroanatomy, neurochemistry, and functional aspects of the major brain structures and their interconnections, focusing primarily on mouse and rat brain. It will consist of two parts: In part I (autumn term), the lectures and practical demonstrations will cover the anatomy, cellular, and synaptic organization of the spinal cord, brainstem, cerebellum, basal ganglia, thalamus, hypothalamus, neocortex and hippocampus, including the organization of major neurotransmitter systems in these regions. In part II (spring term), they will address the structural and functional organization of these brain systems with emphasis on nociception, olfactory and somatosensory systems, as well as auditory, vestibular, visual, motor, emotional, and cognitive processing.

See the detailed program on the ZNZ homepage.

Participants should have completed the Introductory Course in Neuroscience. The lectures will take place on Monday evening (17 h 00 - 19 h 00), at the seminar room of the Institute of Pharmacology and Toxicology (Y17H05).

For registering, please send an e-mail to Dr. Irene Knüsel (knuesel@pharma.uzh.ch).