

Lectures spring semester 2012

ZNZ Advanced Course in Neurobiology

**Mondays, 17:00 – 18:45 Uhr
(17th April and May 28th on Tuesday)**

**Lecture hall 17H05
Institute of Pharmacology and Toxicology**

“Functional anatomy of the rodent brain”

Date	Lecturer	Topic
February 20	Bruno Weber	Somatosensory System
February 27	Florent Haiss	Somatosensory System
March 5	Hanns Ulrich Zeilhofer	Pain processing
March 12	Urs Gerber	Motor System
March 19	Jean-Marc Fritschy	Central autonomic System
March 26	Christopher Pryce	Neuroendocrine system – HPA axis
April 2	Henry Lütcke	Auditory System (compl. introductory course)
April 17 (Tuesday)	Dominik Straumann	Vestibular System
April 23	Daniel Kiper	Visual System (compl. introductory course)
April 30	David Wolfer	Limbic System
May 7	David Wolfer	Limbic System
May 14	Olivier Raineteau	Olfactory System
May 21	Olivier Raineteau	Adult neurogenesis
May 29 (Tuesday)	Hans Welzl	Frontal Lobe and cognitive functions

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

For registering, please send an e-mail to knuesel@pharma.uzh.ch

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 PD Dr. Irene Knüsel (knuesel@pharma.uzh.ch).