

**Lectures spring semester 2013**

**ZNZ Advanced Course in Neurobiology**

**Mondays, 17h00 – 18h45  
(May 21<sup>th</sup> on Tuesday)**

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

**“Functional anatomy of the rodent brain”**

<b>Date</b>	<b>Lecturer</b>	<b>Topic</b>
February 18	Wolfger von der Behrens	Somatosensory System I
February 25	Bruno Weber	Somatosensory System II
March 04	Hanns Ulrich Zeilhofer	Pain processing
March 11	Arko Ghosh	Motor System
March 18	Dominik Straumann	Vestibular System
March 25	Christopher Pryce	Neuroendocrine system – HPA axis
<i>April 01</i>	<i>no lecture</i>	<i>Easter vacation March 29 – April 5</i>
April 08	Henry Lütcke	Auditory System (compl. introductory course)
April 15	Jean-Marc Fritschy	Central autonomic System
April 22	Daniel Kiper	Visual System (compl. introductory course)
April 29	David Wolfer	Limbic System I
May 06	David Wolfer	Limbic System II
May 13	Olivier Raineteau or Jean-Marc Fritschy	Olfactory System
May 21 (Tuesday)	Olivier Raineteau or Jean-Marc Fritschy	Adult neurogenesis
May 27	Christopher Pryce	Brain reward systems

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

For registering, please send an e-mail to [knuesel@pharma.uzh.ch](mailto:knuesel@pharma.uzh.ch)

November 12, 2012

## 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](mailto:knuesel@pharma.uzh.ch)).