

# Lecture Series with Tutorials – Frontiers in Bioscience 2 – Winter Semester 2011/2012

Locations: Lectures (Tuesday, Wednesday, Thursday) take place in the Lecture hall of Bioquant, INF 267

Tutorials (Friday, Monday) take place at: Zoology-INF 230, ZMBH, Bioquant (details will be announced)

Written Exam: 13. April 2012 (retake 4. May 2012)

preliminary

## Week 1

13.12. - 19.12. 11 **Cell-Cell Communication / THE NERVOUS SYSTEM** coord. Frings

Tue Sensory Mechanisms Frings

Wed Synaptic Transmission Kuner

Thu Molecular Basis of Learning Schuster

Fr Tutorial

Mo Tutorial

X-Mas Break

## Week 2

10.01. - 16.1. 12 **Cell-Cell Communication / DEVELOPMENT** coord. Holstein

Tue Early Vertebrate Development Steinbeisser

Wed Stem Cells Wittbrodt

Thu Organogenesis Holstein

Fr Tutorial

Mo Tutorial

## Week 3

17.1. - 23.1. 12 **Systems Biology / BIOLOGICAL NETWORKS** coord. Klingmüller

Tue Systems Biology of Signaling networks Klingmüller

Wed Gene Regulatory Networks Lars Kaderali

Thu Modelling Biological Networks Höfer

Fr Tutorial

Mo Tutorial

## Week 4

26.1. - 1.2.11 **Alteration of Networks by Infectious Pathogens / HOST-PATHOGEN INTERACTIONS** coord. Bartenschlager

Tue "Bacterial-Induced Alterations of Cellular Networks" Prof. Dr. Alexander Dalpke

Wed "Parasites and parasitic diseases" Lanzer

Thu Strategies of viral infection" Kräusslich

Fr Tutorial "Virology"

MO Tutorial "Parasitology / Bacteriology"

## Week 5

24.1. - 30. 1.12 **EVOLUTION AND DIVERSITY** coord. Koch

Tue Molecular Systematics and Evolution Koch

Wed Genome diversity and evolution Calonje

Thu Evolution of Biotransformation Braunbeck

Fr Tutorial

Mo Tutorial

Private Study