



Cycle of Lectures 'Molecular Cell Biology'

Mo. 18:00 – 19:30

Lecture Hall H53

Start: Mo. October 14, 2024

14.10.2024	Cytoskeleton & motor proteins I	Kerkhoff
21.10.2024	Cytoskeleton & motor proteins II	Kerkhoff
28.10.2024	The eukaryotic transcription machinery	Koch
04.11.2024	Membranes: structure & transport	Koch
11.11.2024	Cellular logistics: protein sorting into organelles	Dresselhaus
18.11.2024	Signal transduction	Schneuwly
25.11.2024	Cellular logistics: vesicle-traffic & secretion	Dresselhaus
02.12.2024	Cell-cell communication	Schneuwly
09.12.2024	Extracellular matrix	Sprunck
16.12.2024	Cell adhesion	Sprunck
13.01.2025	Cell nucleus: function, sub-structures & dynamics	Längst
20.01.2025	The architecture of the cell nucleus	Längst
27.01.2025	Cell cycle & tumor development I	Seufert
03.02.2025	Cell cycle & tumor development II	Seufert

The lecture series is addressed to advanced students in their course of studies in biology and biochemistry beginning from the 5th semester. Knowledge of basic cellular structures and molecular mechanisms will be deepened to provide a solid knowledge base for various continuative special lectures beginning in the summer semester. The date of oral examinations will be coordinated with the auditors.