



## Cycle of Lectures 'Molecular Cell Biology'

**Mo. 18:00 – 19:30**

Lecture Hall H53

**Start: Mo. October 16, 2023**

16.10.2023	The eukaryotic transcription machinery	Koch
23.10.2023	Cell nucleus: function, sub-structures & dynamics	Längst
30.10.2023	The architecture of the cell nucleus	Längst
06.11.2023	Membranes: structure & transport	Koch
13.11.2023	Cellular logistics: protein sorting into organelles	Dresselhaus
20.11.2023	Cellular logistics: vesicle-traffic & secretion	Dresselhaus
27.11.2023	Signal transduction	Schneuwly
04.12.2023	Cell-cell communication	Schneuwly
11.12.2023	Extracellular matrix	Sprunck
18.12.2023	Cell adhesion	Sprunck
08.01.2024	Cytoskeleton & motor proteins I	Kerkhoff
15.01.2024	Cytoskeleton & motor proteins II	Kerkhoff
22.01.2024	Cell cycle & tumor development I	Seufert
29.01.2024	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.