

Summer Term 2025
Lecture Announcement

Stem Cell Physiology - Biochemistry of Membrane Receptors and Cell Signaling

Start: 17.04.2026
Time: Fridays 10:15 – 12:00
Location: NC6/99

The lecture is divided into 13 topics that will be addressed on a weekly basis by Prof. Günther-Pomorski, Prof. Brand-Saberi and Dr. Neumann. Each teacher will provide online material for self-studying at home. The lectures will be provided as follows:

Lecture #1	17.04.: Principles of cellular signaling (NC6/99)	Günther-Pomorski
Lecture #2	24.04.: G-protein coupled receptors (NC6/99)	Günther-Pomorski
	01.05: Labor Day Holiday	
Lecture #3	08.05.: Receptor tyrosine kinases (NC6/99)	Günther-Pomorski
	15.05 Ascension Day break	
Lecture #4	22.05.: Phospholipase pathways (NC6/99)	Günther-Pomorski
	29.05.: Pentecost break	
Lecture #5	05.06.: Toll Like Receptors (online via ZOOM)	Günther-Pomorski
Lecture #6	12.06.: Ras/Raf Pathway (online via ZOOM)	Neumann
Lecture #7	19.06.: Cell signaling in development and disease	Brand-Saberi
Lecture #8	26.06.: TGF-beta pathway	Brand-Saberi
Lecture #9	03.07.: BMP-pathway	Brand-Saberi
Lecture #10	10.07.: Shh-pathway	Brand-Saberi
Lecture #11	17.07.: Wnt-pathway	Brand-Saberi
Lecture #12	24.07.: Summary of Cell signaling in development and disease	Brand-Saberi