



Course advertisement

Introduction to human physiology: Membrane transport, signal transduction

On the first day, lectures on the theoretical aspects of membrane transport (H₂O, solute transport) including the role of transport proteins will be given. You will perform experiments demonstrating the effect of transport proteins and ionophores on osmotic processes in erythrocytes. On the second day, an overview will be presented on cell signal transduction including the events leading to the contraction or dilatation of smooth muscle cells. Experiments will be performed to demonstrate the effect of hormones/transmitters that lead to contraction or dilatation of smooth muscle cells.

The course is open to all PhD students. Students of the PhD Program Biomedicine (BioMed) and students of the Institute of Physiology have priority.

Date/time	June 2021 (2 full days)
Room	University of Zurich, Irchel Campus, seminar room to be announced
Type	Lecture (mornings) and practical work (afternoons)
Preparation	Textbook chapter, to be announced
Lecturers	to be announced
Maximum participants	12
Recommendation	To be taken during the first year of the PhD
Further information	BioMed Coordinating Office (andrea.schmitz@uzh.ch)
Credit points	1 ECTS (short MC examination)
Registration	By e-mail to andrea.schmitz@uzh.ch