

Module title		Abbreviation
Advanced Biochemistry and Molecular Biology		03-98-BCHF-092-m01
Module coordinator		Module offered by
holders of the Chairs of Physiological Chemistry, Developmental Biochemistry, Biochemistry and Molecular Biology		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.
Contents		
Enhanced insight into functional biochemical and molecular biological relationships. Examples of the molecular control of cell and organ functions. Application of molecular biology and genetic engineering methods to investigate cellular parameters such as gene expression patterns, protein expression or growth and apoptosis. Review of current literature on selected topics.		
Intended learning outcomes		
Students gain an advanced knowledge of functional biochemistry and molecular biology. They develop an understanding of the driving forces of normal and misguided cell functions and acquire practical routine in circumscribed experiments. Students gain an insight into the critical interpretation of experimental data.		
Courses (type, number of weekly contact hours, language – if other than German)		
V + S + Ü (no information on SWS (weekly contact hours) and course language available)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
a) written examination (approx. 45 minutes) and presentation (approx. 20 minutes) and log (5 to 10 pages) or b) oral examination of one candidate each (approx. 20 minutes) and presentation (approx. 20 minutes) and log (5 to 10 pages) or c) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) and presentation (approx. 20 minutes) and log (5 to 10 pages), weighted 2:1:1 (written/oral examination : presentation : log)		
Allocation of places		
--		
Additional information		
--		
Workload		
--		
Teaching cycle		
--		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
--		
Module appears in		
Bachelor' degree (1 major) Biomedicine (2009)		
Bachelor' degree (1 major) Biomedicine (2013)		