Module description

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, Develop- mental Biochemistry, Biochemistry and Molecular Biology					
ECTS	CTS 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 under- standing of the driving forces of normal and misguided cell functions and acquire practical routine in circumscri- bed 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's degree (1 major) Biomedicine (2009) Bachelor's degree (1 major) Biomedicine (2013)					

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