

Module title		Abbreviation
Advanced Biochemistry and Molecular Biology		03-98-BCHF-202-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: log.
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		
After participating in the module courses, the students have internalized advanced knowledge of biochemistry and are able to present and use it (professional competence). In addition, they have learned to acquire new knowledge from the primary literature (self-competence), to process this knowledge and to communicate it to people with a comparable level of knowledge (social competence). They have acquired practical routine in circumscribed experiments (methodological competence) and can plan and develop their own experimental analyses on this basis.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (4) + S (1) + Ü (6) Veranstaltungssprache: Deutsch und Englisch		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
Written examination (30 to 90 minutes) and presentation (weighted 3:1)		
Allocation of places		
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Additional information		
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Workload		
300 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Biomedicine (2020)		