

Module title		Abbreviation
Basic Biochemistry and Molecular Biology		03-98-BCH-202-m01
Module coordinator		Module offered by
holders of the Chairs of Physiological Chemistry, Developmental Biochemistry, Biochemistry and Molecular Biology		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	Admission prerequisite to assessment: Eingangstestate
Contents		
Biochemistry: structure and function of the building blocks of life, enzyme kinetics, biochemical analytics, fundamentals of intermediate and energy metabolism, mitochondrial function. Molecular biology: storage, transduction and expression of genetic information, control of cell functions by hormones and signal transduction processes, basic immunology. Performing biochemical detection reactions and molecular biology experiments.		
Intended learning outcomes		
Students gain an understanding of the foundations of human biochemistry and molecular biology. They develop the ability to prepare and present material on selected topics. They are proficient in the reproducible collection of simple biochemical and molecular biological data.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (5) + S (4) + Ü (4)		
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 examinations (45 to 90 minutes) and presentation (weighted 3:1)		
Allocation of places		
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Additional information		
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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)		