

Module title		Abbreviation
Introduction to Methods in Experimental Biomedicine		03-98-RVZ-202-m01
Module coordinator		Module offered by
holder of the Chair of Experimental Biomedicine		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Fundamental knowledge and analytical approaches of experimental biomedicine are taught based on selected questions of platelet physiology and megakaryopoiesis. Emphasis is put on the generation and use of antibodies. Transgenic mouse models are used to elucidate the interplay underlying (patho-)physiological processes.		
Intended learning outcomes		
Professional competence: General knowledge on the generation and application of antibodies, generation and use of transgenic mouse models and acquisition of specialized knowledge on the study of platelet function and production. Methodological competence: Analyzing and evaluating scientific figures. Social competence: The communicative competence is promoted by independent research, analysis and presentation of current literature (in English) in the accompanying seminar. After participation in the module courses, students will be able to apply the experimental techniques learned during the course. Furthermore, they will be able to analyze and evaluate experimental data obtained using monoclonal antibodies and genetically modified mouse models.		
Courses (type, number of weekly contact hours, language – if other than German)		
P (6) Module taught in: German/English		
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 (45 to 90 minutes) or b) Log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) Language of assessment: German or English		
Allocation of places		
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Additional information		
Duration: 2 weeks		
Workload		
150 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)		