

Module title		Abbreviation
Virology 1 BM		03-98-VirM1-152-m01
Module coordinator		Module offered by
Institute of Virology and Immunobiology		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>Learning of basic principles and deeper insights into the molecular processes of viral replication cycles. The main focus is on the structure of different virus types, different strategies of virus entry into target cells, and the molecular mechanisms of replication of viral RNA genomes, DNA genomes and retroviral genomes using selected example viruses. The overall topic is the regulation of replication, transcription and translation of viral genes. Introduction to immunological defense mechanisms against viral infections, including intrinsic, natural and adaptive immune responses and antiviral vaccines.</p>		
Intended learning outcomes		
<p>Expert knowledge of viral replication and regulation strategies at the molecular level. Independently develop and present research findings based on primary scientific literature. Acquire the ability to review and evaluate scientific results and generate scientific hypotheses from them.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
V (1) + S (2) 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)		
<p>a) written examination (30 to 60 minutes) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Assessment offered: Winter semester only Language of assessment: German and/or English</p>		
Allocation of places		
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Additional information		
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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		
<p>Master's degree (1 major) Biomedicine (2015) Master's degree (1 major) Experimental medicine (2015) Master's degree (1 major) Biomedicine (2018)</p>		