

Module title		Abbreviation
Tumor Genetics		03-MBC-TG-161-m01
Module coordinator		Module offered by
holder of the Professorship Human Genetics at Institute for Human Genetics		Institute of Human Genetics
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
Basics on human genetics (inheritance patterns, mutation types, etc.), hereditary cancer (breast & ovarian cancer, HNPCC, FAP, etc.), cancer syndromes, tumor cytogenetics, animal models in cancer genetics, genetic techniques (NGS, genome engineering, etc.)		
Intended learning outcomes		
The students acquired broad knowledge in the field of tumor genetics. Exemplify pathomechanisms in hereditary cancer. Name and illustrate genetic methods. Apply the acquired knowledge to scientific questions in the field of tumor genetics. Independent preparation and presentation of scientific articles. Acquire the ability to critically discuss latest developments in tumor genetics.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (1) + S (1) Module taught in: 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 (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English		
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		
Master's degree (1 major) Biochemistry (2015) Master's degree (1 major) Biomedicine (2015) Master's degree (1 major) Biochemistry (2017) Master's degree (1 major) Biomedicine (2018) Master's degree (1 major) Biochemistry (2019)		