

Module title		Abbreviation
Practical Course in Parasitology		03-98-PMP-152-m01
Module coordinator		Module offered by
holder of the Professorship of Parasitology, holder of the Chair of Zoology I		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Methods for in vitro cultivation of parasitic helminths and free-living reference models. Genomic and transcriptomic analyses of helminth parasites. Virulence factors of helminth parasites and drug design and development of novel anthelmintics. Methods for the cell biological and genetic analysis of African trypanosomes. The focus is on the cell surface coat as major virulence factor and its manipulation by RNA interference.		
Intended learning outcomes		
The students are familiar with fundamental methods for the development of drugs against helminths. The students are familiar with the principles of helminthology diagnostics as well as helminth genomics/transcriptomics. The students are familiar with the concept of neglected tropical diseases with an emphasis on the African sleeping sickness. They recognise the potential of modern genetic tools for the generation of novel strategies against diseases of poverty caused by parasites.		
Courses (type, number of weekly contact hours, language — if other than German)		
S (1) + P (5) 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) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes). Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English		
Allocation of places		
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Additional information		
Additional information on module duration: 2 weeks, full time.		
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 (2015)		