

<b>Module title</b>		<b>Abbreviation</b>
Parasitology		03-98-PMP-092-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Professorship of Medicinal Parasitology and holder of the Professorship of Zoology I		Faculty of Medicine
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.
<b>Contents</b>		
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.		
<b>Intended learning outcomes</b>		
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.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
V + S + Ü (no information on SWS (weekly contact hours) and course language available)		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Biomedicine (2009)		
Bachelor' degree (1 major) Biomedicine (2013)		