

Bachelor's degree (1 major) Biomedicine (2020)

Module description

TAX Y 13 NEGULATION 03 V, X, X,					
Module title					Abbreviation
Practical Course in Molecular Infection Biology 03-98-PMIB-202-m01					
Module coordinator				Module offered by	
Institute of Molecular Infection Biology				Faculty of Biology	
ECTS Method of grading		Only after succ. compl. of module(s)			
5	nume	rical grade			
Duration		Module level	Other prerequisites		
1 semester		undergraduate			
Contents					
among other things, methods for identifying bacterial pathogens, physiological tests, biochemical detection assays and molecular methods. Furthermore, the genetic causes of antibiotic resistance are determined and gene regulation mechanisms investigated. Methods for determining the human microbiome are learned and working with databases is practiced. Virulence factors that are important in the host-pathogen interaction are analyzed.					
Intended learning outcomes					
siological properties and to understand their role in disease processes. Ability to analyze sequencing data using databases. Ability to discuss general aspects of infectious diseases in the society. Methodological competence to solve complex problems based on scientific data. Ability to present scientific work to others. Courses (type, number of weekly contact hours, language — if other than German)					
P (5) + S (1) 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)					
Allocation of places					
Additional information					
Duration: 2 weeks					
Workload					
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					

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