

Module description

Module title					Abbreviation
Immunology 1					03-4S1IMM-152-m01
Module coordinator				Module offered by	
holder of the Professorship of Immunogenetics				Faculty of Medicine	
ECTS	Method of grading		Only after succ. compl. of module(s)		
5	nume	rical grade			
Duration		Module level	Other prerequisites	5	
1 semester		undergraduate			
Contents					
dy recognise and eliminate pathogens and tumour cells? How can the immune system damage its own body (all- ergies, autoimmunity)? Organs, cells and molecules of the immune system will be presented with an emphasis on genetic and molecular mechanisms of recognition and elimination of foreign substances by the immune sy- stem. The most important immunological techniques will be introduced and applied.					
Intended learning outcomes					
The students acquire a practical knowledge of cellular and molecular techniques for the analysis of the immune system. The are familiar with the mechanisms of self and non-self discrimination by the adaptive and innate immune systems. They acquire a fundamental knowledge of lymphocyte development as well as major immune effector cell functions and molecules.					
Courses (type, number of weekly contact hours, language — if other than German)					
$V(1) + \ddot{U}(1) + P(3)$					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether					
module is creditable for bonus)					
written examination (approx. 45 minutes) Assessment offered: Once a year, summer semester					
Allocation of places					
BA Biologie: 16 places. Should the number of applications exceed the number of available places, places will be allocated as follows: Students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits will be given preferential con- sideration. Should the module be used in other subjects, there will be two quotas: 95% of places will be alloca- ted to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits and 5% of places (a mi- nimum of one place in total) will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 60 ECTS credits and to students of the Bachelor's degree subjects Computational Mathematics and Mathema- tik (Mathematics), each with 180 ECTS credits, as part of the application-oriented subject Biology (as well as po- tentially to students of other 'importing' subjects). Should the number of places available in one quota exceed the number of applications, the remaining places will be allocated to applicants from the other quota. Should there be, within one module component, several courses with a restricted number of places, there will be a uni- form regulation for the courses of one module component. In this case, places on all courses of a module com- ponent that are concerned will be allocated in the same procedure. In this procedure, applicants who already ha- ve successfully completed at least one other module component of the respective module will be given preferen- tial consideration.					
A waitin Selection mic ach ve ach in the s at the t	ng list v on proc nievem eved a subject ime of	will be maintained and pl eess group 1 (95%): Place ents. For this purpose, ap nd their average grade of of Biologie (Biology) (exo application. This will be o	aces re-allocated as s will primarily be all pplicants will be rank all assessments tak cluding Chemie (Cher done as follows: First	they become availat ocated according to ed according to the en during their studi nistry), Physik (Phys , applicants will be r	ole. the applicants' previous acade- number of ECTS credits they ha- es or of all module components ics), Mathematik (Mathematics)) ranked, firstly, according to their

average grade weighted according to the number of ECTS credits (qualitative ranking) and, secondly, according to their total number of ECTS credits achieved (quantitative ranking). The applicants' position in a third ranking will be calculated as the sum of these two rankings, and places will be allocated according to this third ranking.

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Among applicants with the same ranking, places will be allocated according to the qualitative ranking or otherwise by lot.

Selection process group 2 (5%): Places will be allocated according to the following quotas: Quota 1 (50 % of places): total number of ECTS credits already achieved in modules/module components of the Faculty of Biology; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25 % of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25 % of places): lottery.

Should the module be used only in the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits, places will be allocated according to the selection process of group 1.

Additional information

Workload

150 h

Teaching cycle

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Bachelor's degree (1 major) Biology (2015) Bachelor's degree (1 major) Biology (2017) Bachelor's degree (1 major) Biology (2021) Bachelor's degree (1 major) Biology (2022) exchange program Biosciences (2022)

JMU Würzburg • generated 18.04.2025 • Module data record 129800