

<b>Module title</b>		<b>Abbreviation</b>
Immunology for students of biochemistry		03-4S1M-BC-112-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Professorship of Immunogenetics		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	By way of exception, additional prerequisites are listed in the section on assessments.
<b>Contents</b>		
<p>This module gives an introduction to immunology. The following questions will be addressed: How does the body recognise and eliminate pathogens and tumour cells? How can the immune system damage its own body (allergies, 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 system. The most important immunological techniques will be introduced and applied.</p>		
<b>Intended learning outcomes</b>		
<p>The students acquire a practical knowledge of cellular and molecular techniques for the analysis of the immune system. They 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.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> <li>• 03-4S1M-BC-1-112: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>• 03-4S1M-BC-2-112: P (no information on SWS (weekly contact hours) and course language available)</li> </ul>		
<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)		
<p>Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.</p> <p><b>Assessment in module component 03-4S1M-BC-1-112:</b> Introduction into Immunology (Lecture and Practice) Introduction into Immunology (Lecture and Practice)</p> <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: numerical grade</li> <li>• written examination (approx. 30 minutes)</li> <li>• Language of assessment: German or English</li> <li>• Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.</li> </ul> <p><b>Assessment in module component 03-4S1M-BC-2-112:</b> Immunology (Laboratory Course)</p> <ul style="list-style-type: none"> <li>• 3 ECTS, Method of grading: (not) successfully completed</li> <li>• log (approx. 10 to 20 pages)</li> <li>• Assessment offered: once a year, summer semester</li> <li>• Language of assessment: German or English</li> <li>• Other prerequisites: Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course.</li> </ul>		
<b>Allocation of places</b>		
<p>Biochemie (Biochemistry) Bachelor's: 16 places. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of</p>		

subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.

**Additional information**

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**Workload**

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**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) Biochemistry (2011)