

<b>Module title</b>		<b>Abbreviation</b>
Cellular Molecular biology 1		03-5S2ZM-092-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Institute of Medical Radiology and Cell Research (MSZ)		Faculty of Medicine
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
10	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>In this module, current problems in the research areas of stem cell biology and cellular differentiation will be discussed and specific solutions will be taught. With the help of selected examples, participants will acquire practical molecular biological techniques.</p>		
<b>Intended learning outcomes</b>		
<p>Students have developed the ability to approach, analyse and critically interpret current problems in cellular molecular biology based on individually assigned tasks, using techniques of modern molecular and cell biology. They also have developed skills in experimental design, bench work, data analysis and the presentation of scientific results both orally and in writing.</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>• 03-5S2ZM-1ZM-092: Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>• 03-5S2ZM-2ZM-092: S (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 03-5S2ZM-1ZM-092:</b> Cellular molecular biology 1 (laboratory course)</p> <ul style="list-style-type: none"> <li>• 8 ECTS, Method of grading: numerical grade</li> <li>• a) written examination (approx. 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups (groups of 2 or 3 candidates, approx. 60 minutes) or e) presentation (approx. 20 to 30 minutes)</li> <li>• Language of assessment: German, English</li> </ul> <p><b>Assessment in module component 03-5S2ZM-2ZM-092:</b> Cellular molecular biology 1 - Current topics in molecular biology (seminar)</p> <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: (not) successfully completed</li> <li>• presentation (approx. 20 to 30 minutes)</li> <li>• Language of assessment: German, English where required</li> </ul>		
<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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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Bachelor' degree (1 major) Biology (2007)