

<b>Program of Studies:</b>	<b>Master Program Bioinformatics</b>
<b>Name of the module:</b>	<b>Medical Biotechnology</b>
<b>Abbreviation:</b>	<b>B-M-9</b>
<b>Subtitle:</b>	-
<b>Modules:</b>	Lecture: 2 h (block course)
<b>Semester:</b>	2nd semester / every summer semester
<b>Responsible lecturer:</b>	Prof. Dr. Heiko Zimmermann
<b>Lecturer:</b>	Prof. Dr. Heike Zimmermann
<b>Language:</b>	German
<b>Level of the unit/ Mandatory or not:</b>	Graduate course / mandatory elective
<b>Total workload:</b>	90 h = 30 h of classes (lecture), 60 h of private study
<b>Credits:</b>	3
<b>Entrance requirements:</b>	None
<b>Aims/Competences to be developed:</b>	Knowledge of important applications in medical biotechnology
<b>Content:</b>	<ul style="list-style-type: none"> <li>- Biocompatibility</li> <li>- Nanobiotechnology</li> <li>- Electromanipulation of cells</li> <li>- Immobilization and encapsulation</li> <li>- Cryobiotechnology</li> <li>- Cell therapies</li> </ul>
<b>Assessment/Exams</b>	Oral exam
<b>Grade:</b>	Grade of the oral exam
<b>Literature:</b>	To be announced