

<b>Module title</b>		<b>Abbreviation</b>
Carrier Materials and Devices for Therapeutic Compounds		03-FU-TMW-161-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Regenerative Medicine		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	graduate	--
<b>Contents</b>		
In-depth introduction to the field of medically applicable carrier materials, in particular nanoparticles; presentation of various loading mechanisms as well as the controlled release of drugs from the drug delivery system. Furthermore, different application forms and their clinical use are presented. Students gain a deeper insight into medical and biological requirements for the used particles and drug conjugates.		
<b>Intended learning outcomes</b>		
Students gain in-depth knowledge of the possibilities of using drug delivery systems. In addition, they will be taught what production options are available and what complications can be expected, so that they can deal with them critically.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + P (1)		
<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)		
a) report on practical course (approx. 10 pages) and b) written examination (approx. 90 minutes) or presentation (approx. 30 minutes) Language of assessment: German and/or English		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Master's degree (1 major) Functional Materials (2016)		