

Module title		Abbreviation
Tissue Engineering - Basics for Tissue Regeneration		03-TE-REG-161-m01
Module coordinator		Module offered by
unknown		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Basics and problems of stem cell- and Xeno transplantation in clinical approaches. Basics of matrix -based tissue transplants in clinical trials. Stem cells for the generation of cartilage and bone tissue. Strategies for vascularisation. Combinatorial usage of materials in diagnostics and therapies.		
Intended learning outcomes		
Students gain fundamental knowledge occurring in the transplantation of non-autologous cells, the selection of stem cells for the cartilage and bone regeneration and materials which can be used as diagnostics and for therapeutic approaches.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2)		
Method of assessment (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) presentation (approx. 30 minutes) or written examination (approx. 60 minutes) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Master's degree (1 major) Functional Materials (2016)		