Module title			Abbreviation
Tissue Engineering - Alternatives to Animal Testing			03-FU-TE-AT-161-m01
Module coordinator		**Module offered by**	
holder of the Chair of Regenerative Medicine		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 of Tissue Engineering. Generation of complex 3D tissue modells. Development of pre- clinical test models. Development of implants (ATMPs) according to GMP guidelines.

Intended learning outcomes

Students gain basic knowledge to construct complex 3D tissue equivalents and the use therof as alternative test system for animal experiments or as transplant in the clinic

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)