Module title: Carrier Materials and Devices for Therapeutic Compounds

Abbreviation: 03-FU-TMW-161-m01

Module coordinator: holder of the Chair of Regenerative Medicine

Module offered by: Faculty of Medicine

ECTS: 5

Method of grading: numerical grade

Only after succ. compl. of module(s): --

Duration: 1 semester

Module level: graduate

Other prerequisites: --

Contents:
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.

Intended learning outcomes:
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.

Courses:
V (2) + P (1)

Method of assessment:
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

Allocation of places: --

Additional information: --

Referred to in LPO I: (examination regulations for teaching-degree programmes)

Module appears in:
Master's degree (1 major) Functional Materials (2016)