### Module title

**Basic principles of cell biology and tissue regeneration**

### Abbreviation

03-SP1A1-101-m01

### Module coordinator

holder of the Chair of Orthopaedics and 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)

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### Duration

1 semester

### Module level

graduate

### Other prerequisites

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### Contents

Cell biology, metabolism, differentiation, cell behaviour, cell/cell interactions, cell adhesion, 2D/3D and surface geometry, mechanobiology (bioreactors with mechanics).

### Intended learning outcomes

Students have developed a knowledge of cell biology, metabolism, differentiation, adhesion to surfaces, mechanobiology.

### Courses

V + Ü + P (no information on SWS (weekly contact hours) and course language available)

### Method of assessment

placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 10 pages) and a) written examination (approx. 90 minutes) or b) presentation (approx. 30 minutes)

### Allocation of places

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### Additional information

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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) Technology of Functional Materials (2010)

Master's degree (1 major) Functional Materials (2012)