## Module title

**Microsystems for biological and medical applications**

### Abbreviation

03-SP3A2-092-m01

## Module coordinator

holder of the Chair of Functional Materials in Medicine and Dentistry and holder of the Chair of Regenerative Medicine

## Module offered by

Faculty of Medicine

## ECTS

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>numerical grade</td>
<td>--</td>
</tr>
</tbody>
</table>

## Duration

<table>
<thead>
<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 semester</td>
<td>graduate</td>
<td>--</td>
</tr>
</tbody>
</table>

## Contents

Implantable drug delivery systems, lab-on-a-chip systems for bioanalysis, bioreactor technology, lab course: nanoparticles for regenerative medicine and protein biochemistry.

## Intended learning outcomes

Students have developed a knowledge of implantable drug delivery systems and lab-on-a-chip systems for bioanalysis, bioreactor technology, nanoparticles for regenerative medicine and protein biochemistry.

## Courses

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

## Method of assessment

written examination (60 minutes) and log (approx. 5 pages), weighted 3:1

## Module appears in

Master’s degree (1 major) Technology of Functional Materials (2009)