### Module title
**Cell Biology**

### Abbreviation
03-98-PZB-152-m01

### Module coordinator
holder of the Chair of Medical Radiation and Cell Research

### 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
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### Module level
undergraduate

### Other prerequisites
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### Contents
Becoming familiar with basic cell biological principles via hands-on training and seminars. Major topics are the structural organisation of eukaryotic cells, cell-cell and cell-matrix interactions, proliferation, differentiation and apoptosis.

### Intended learning outcomes
Problem-oriented handling of eukaryotic cells under sterile conditions and understanding of principles of techniques for the analysis of cells. Understanding the molecular basis of cell biology and cellular malfunctions and their significance for disease development. Independent extraction of relevant information and presentation of selected examples of current literature.

### Courses
- **P (5) + S (1)**
- Module taught in: German / English

### Method of assessment
- a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes).

Students will be informed about the type and length of assessment at the beginning of the course.

### 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
- Bachelor’ degree (1 major) Biomedicine (2015)