# Module Description

## Module Title
Advanced Biochemistry and Molecular Biology

## Abbreviation
03-98-BCHF-092-m01

## Module Coordinator
holders of the Chairs of Physiological Chemistry, Developmental Biochemistry, Biochemistry and Molecular Biology

## Module Offered by
Faculty of Medicine

## ECTS
10

## Method of Grading
Numerical grade

## Only after succ. compl. of module(s)
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## Duration
1 semester

## Module Level
Undergraduate

## Other Prerequisites
Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.

## Contents
Enhanced insight into functional biochemical and molecular biological relationships. Examples of the molecular control of cell and organ functions. Application of molecular biology and genetic engineering methods to investigate cellular parameters such as gene expression patterns, protein expression or growth and apoptosis. Review of current literature on selected topics.

## Intended Learning Outcomes
Students gain an advanced knowledge of functional biochemistry and molecular biology. They develop an understanding of the driving forces of normal and misguided cell functions and acquire practical routine in circumscribed experiments. Students gain an insight into the critical interpretation of experimental data.

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

## Method of Assessment
A) written examination (approx. 45 minutes) and presentation (approx. 20 minutes) and log (5 to 10 pages) or B) oral examination of one candidate each (approx. 20 minutes) and presentation (approx. 20 minutes) and log (5 to 10 pages) or C) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) and presentation (approx. 20 minutes) and log (5 to 10 pages), weighted 2:1:1 (written/oral examination : presentation : log)

## Allocation of Places
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## Additional Information
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## Referred to in LPO I
(examination regulations for teaching-degree programmes)

## Module Appears In
Bachelor' degree (1 major) Biomedicine (2009)
Bachelor' degree (1 major) Biomedicine (2013)