**Module title**

Practical Course in Molecular Bacteriology and Mycology

**Abbreviation**

03-98-PMBM-152-m01

**Module coordinator**

Institute of Molecular Infection Biology

**Module offered by**

Faculty of Medicine

**ECTS**

5

**Method of grading**

numerical grade

**Duration**

undergraduate

**Other prerequisites**

undergraduate

**Contents**

Foundations and analytical approaches of bacterial genetics are taught based on selected questions from molecular microbiology. Genetic processes are analysed with the help of examples of gene transfer. Molecular genetic and functional biochemical pathways are presented using examples from microbiology.

**Intended learning outcomes**

Students have developed the ability to approach, analyse and interpret general problems in bacterial genetics based on individually assigned tasks, using techniques of modern molecular biology, microbiology and genetics. They also have developed skills in experimental design, bench work, data analysis and the presentation of scientific results both orally and in writing.

**Courses**

(type, number of weekly contact hours, language — if other than German)

S (1) + P (5)

Module taught in: German/English

**Method of assessment**

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

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.

Language of assessment: German or English

**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)