Module title: Bacterial genetics - Infectiology
Abbreviation: 03-98-PBG-152-m01

Module coordinator: Institute of Molecular Infection Biology
Module offered by: Faculty of Medicine

ECTS: 5
Method of grading: numerical grade
Only after succ. compl. of module(s): --

Duration: 1 semester
Module level: undergraduate
Other prerequisites: --

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)
V (1) + S (1) + Ü (4)

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 (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes)
Language of assessment: German and/or English

Allocation of places:
Biochemie (Biochemistry), Master’s: 4 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

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) Biochemistry (2015)
Master’s degree (1 major) Biochemistry (2017)
Master’s degree (1 major) Biochemistry (2019)