Module title

Gene Regulation and Signal Transduction

Abbreviation

07-MGRSD-152-m01

Module coordinator

Dean of Studies Biologie (Biology)

Module offered by

Faculty of Biology

ECTS

3

Method of grading

Only after succ. compl. of module(s)

Duration

1 semester

Module level

graduate

Other prerequisites

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Contents

In this lecture, important aspects of gene regulation and signal transduction of bacteria will be described and discussed. The lecture will discuss regulatory mechanisms on the transcriptional and posttranscriptional level. Whenever appropriate, special emphasis will be placed on regulatory phenomena in pathogenic bacteria.

Intended learning outcomes

The lecture will discuss aspects covered in the lecture Molekulare Biologie (Molecular Biology, course no. 0610200) and in the special lecture Mikrobiologie/Infektionsbiologie (Microbiology/Infection Biology, course no. 0610220) in more detail and will explore some additional aspects.

Courses

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

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Module taught in: German and/or 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)

Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes)

Language of assessment: German and/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

Master's degree (1 major) Biology (2015)
Master's degree (1 major) Biosciences (2016)
Master's degree (1 major) Biosciences (2017)
Master's degree (1 major) Biosciences (2018)
Master's degree (1 major) Biosciences (2021)