Module title | Microbial Ecology
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Abbreviation | 07-MMIÖK-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 | --

Contents
This lecture discusses fundamental principles of the interaction of bacteria with their environment. A major emphasis is on the interaction of mutualistic bacteria with other organisms including bacteria, invertebrates and vertebrates and, where appropriate, the comparison with commensal and pathogenic interactions. The lecture complements the focus Infektionsbiologie (Infection Biology) of the degree programme Zelluläre und Molekularer Mikrobiologie / Infektionsbiologie (Cellular and Molecular Biology / Infection Biology) in which mainly human pathogens and their host interaction mechanisms are presented. Thus, the lecture intends to identify and describe fundamental concepts of the interaction of bacteria with different host organisms and their evolution.

Intended learning outcomes
Students understand the fundamental principles and evolution of the mechanisms of interaction between bacteria and eukaryotic host organisms.

Courses (type, number of weekly contact hours, language — if other than German)
V (1)
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)