Module title	Abbreviation
The Functional Proteome: Organization, Modulation and Dynamics	08-MBC-FPP-232-m01

Module coordinator	Module offered by
holder of the Chair of Biochemistry II	Chair of Biochemistry

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

Duration	Module level	Other prerequisites
1 semester	graduate	Students are highly recommended to complete module 08-MBC-FPV in the same semester.

Contents

The module enables in-depth familiarization with current scientific methods and working techniques in the field of the study of the proteome as well as its organization, dynamics and modulation within the framework of practical experiments. The focus is on functional proteome analyses using biochemical and mass spectrometric methods including bioinformatic data analysis, visualization and evaluation of the obtained results.

Intended learning outcomes

After participating in the module, students will be proficient in the techniques used. They are able to explain and critically reflect on the experiments carried out and to present and discuss the results in a scientifically correct and appropriate manner.

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

Ü (6)
Module taught in: German 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)

a) log (approx. 10 to 20 pages) or
b) oral examination of one candidate each (30 to 60 minutes) or
c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or
d) presentation (20 to 45 minutes)
Students will be informed about the method, length and scope of the assessment prior to the course.
Language of assessment: German and/or English
Assessment offered: Once a year, winter semester

Allocation of places

12
Should the number of applications exceed the number of available 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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Workload

300 h

Teaching cycle

Teaching cycle: Once a year, winter semester

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)

Master's degree (1 major) Biochemistry (2026)