

Module title		Abbreviation
Functional Proteomics: Deciphering Protein Worlds		o8-MBC-FPV-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)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>The module provides in lecture and seminar the current state of the art in the field of functional proteomics as well as the theoretical basis of state-of-the-art methods of biomolecular mass spectrometry for the study of organization, dynamics and modulation of the proteome of eukaryotic cells. Emphasis is placed on quantitative strategies for the functional analysis of metabolic cell organelles, protein machines, and signaling and proteostasis networks.</p>		
Intended learning outcomes		
<p>After participation in the module events, the students are familiar with the contents taught. They can explain advantages and disadvantages of protein mass spectrometry methods, know a wide range of applications of the key methods and can use them to address new biological questions.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
<p>V (1) + S (1) Module taught in: German or English</p>		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>a) written examination or c) oral examination of one candidate each or d) oral examination in groups of up to 3 candidates or e) presentation 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 (approx. 30 to 60 minutes, also multiple choice) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or e) presentation (20-45 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester</p>		
Allocation of places		
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Additional information		
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Workload		
150 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		
<p>Master's degree (1 major) Biochemistry (2015) Master's degree (1 major) Biochemistry (2017) Master's degree (1 major) Biochemistry (2019)</p>		

