

Distribution of Methods Modules for the Summer Semester 2023

Last updated: 20th March 2023

Please note:

- ✚ Participation in some modules requires the prior attendance of lectures or other courses.
- ✚ Some methods modules require participation in preliminary meetings which may be long before the start of the lab course. Please check whether this applies in the individual case.
- ✚ When you are unable to attend a methods module, please inform the lecturer(s) immediately.
- ✚ Methods modules with a German title from the Institute of Biology are in German language.

Special note for Master students:

- ✚ Two modules from two different fields have to be completed in the Methods section. The third methods module can be chosen from the third field or, if available, from affine fields.
- ✚ When the Methods section is completed, further methods modules count as electives.
- ✚ A methods module consists of a seminar and a lab course. Usually, there are more spots available in a seminar than in the corresponding lab course. If a seminar is attended only, it counts as a course in the Elective section (Special aspects of the corresponding field).
- ✚ You find a table of methods modules and corresponding fields on the last page of this file.

**Distribution of Method Modules (Tombola):
Friday, 14.04.2023 at 10:00h
Online via WebEx**

Please also refer to the FU course catalog:
<http://www.fu-berlin.de/vv/en/fb>

Latest update of list of methods modules and calendar:
<http://www.bcp.fu-berlin.de/en/chemie/biochemie/master/Information-for-enrolled-students/>

Methods Modules of Structural Biochemistry

Course No.	1. Appointment	Description
216201 a-c S/P	Part 1: 02.05.2023 Part 2: 15.05.2023 Part 3: 22.05.2023	Biomolecular X-ray Crystallography Number of participants: 9 Part 1: Wahl, Loll Schedule: 02.05. - 12.05.2023 Location: Takustr. 6, room 323 (Wahl group) Part 2: Weiss Important note: Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. Schedule: 15.05. - 19.05.2023 Location: Soft Matter and Functional Materials, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof Part 3: Daumke Schedule: 22.05 - 26.05.2023 Location: Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch
216202 a, b S/P	26.06.2023	Ewers Quantitative Fluorescence Microscopy Schedule: 26.06. - 07.07.2023 (10:00; all-day) Number of participants: 6 Location: Thielallee 63, room 106a (Ewers group)
216211 a, b S/P	25.09.2023	Milles Biological NMR Spectroscopy Schedule: 25.09. – 06.10.23 Number of participants: 8 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)
216212 a, b S/P	11.09.2023	Roderer Biophysical Methods Schedule: 11.09. – 22.09.23 Number of participants: 8 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)
216302 a, b S/P	19.06.2023	Ludwig, Hilal Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques Schedule: 19.06. – 30.06.23 Number of participants: 4 Location: Fabeckstr. 36a, Room 205 (Research Center for Electron Microscopy)

Methods Modules of Molecular Biology

Course No.	1. Appointment	Description
216402 a, b S/P	07.08.2023	Fürste, Schröder, Müller Nucleic Acids (Synthesis, Ribozymes, in-vitro Selection) Schedule: 07.08. – 18.08.23 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory)

216404 a, b S/P	19.06.2023	Kuropka Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 19.06. – 30.06.23 (09:00 – 17:00) Number of participants: 4 Location: Thielallee 63, room 316
216405 a,b S/P	19.06.2023	Heyd Mechanisms of Alternative Splicing Regulation Schedule: 19.06. – 30.06.23 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, room 001-002
216406 a,b S/P	05.06.2023	Bottanelli Gene editing with CRISPR/Cas 9 for cell biology Schedule: 05.06. – 16.06.23 (09:15, all-day) Number of participants: 6 Location: Thielallee 63, Rooms will be announced on blackboard
216451 a, b S/P	04.09.2023	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a,b in a prior semester. Schedule: 04.09.-15.09.23 (all-day) Number of participants: 6 Location: Fraunhofer Institute for Cell Therapy and Immunology (IZI), Bioanalytics and Bioprocesses branch, Am Mühlenberg 13, 14476 Potsdam-Golm 2.WO24
216461 a,b S/P	04.09.2023	Schlesinger Production and Biophysical Analysis of Selected Membrane Proteins (Part 1) Schedule: 04.09. – 15.09.23 (9:00 – 18:00) Number of participants: 6 Location: Arnimallee 14 (Schlesinger Group), Genetic Biophysics, Department of Physics Interested students, without an official place, can send an e-mail (r.schlesinger@fu-berlin.de) to join a follow-up list.
216462 S	18.09.2023	Only together with: Heberle and staff Production and Biophysical Analysis of Selected Membrane Proteins (Part 2) Schedule: 18.09. – 22.09.23 (all-day) Number of participants: 6 (for both events the same 6 participants) Location: Arnimallee 14 (Heberle group), Experimental Molecular Biophysics; Department of Physics

Methods Modules of Molecular Biomedicine

LV-Nr.	1. Appointment	Description
216541 a,b S/P	05.06.2023	Mankertz Molecular Virology Note: Briefing 31.05.23 online at 17h Schedule: 05.06. – 16.06.23 (seminar 9-10:30h, practical until ca. 17:00h) Number of participants: 8 Location: Robert-Koch-Institute; Seestraße 10, 13353 Berlin, Meeting point: gate keeper

216602 a,b S/P	08.05.2023	Freund, Alvaro Benito Molecular Immunology Schedule: 08.05.-19.05.23 (all-day) Number of participants: 6 Location: Thielallee 63, room 008
216611 a,b S/P	Briefing 22.05.2023	Krauss, Haucke, Posor Membrane Traffic and Signaling / Intracellular Membrane Transport in Signal Transduction Note: Seminar takes place before practical course: 12.06.-14.06.23. (15-18h) Schedule: Briefing 22.05.23 (17:00), Course 19.06.- 30.06.23 (09:15 – 18:00) Number of participants: 6 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin (Buch)
216612 a,b S/P	24.04.2023	Hackenberger Chemical Biology: Protein Synthesis, Labeling and Function Schedule: 24.04. – 05.05.23 (all-day including seminar, start: 09:00) Number of participants: 9 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, Building C81, room A 3.16 and C3.04.
216621 a, b S/P	05.06.2023	Stricker Analyzing Musculoskeletal Development in vivo Prerequisite: Attendance of V/S 216701 a,b in a prior semester Schedule: 05.06. – 16.06.23, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) Number of participants: 4 Location: Thielallee 63, room 121 (Stricker group)
216624 a, b S/P	05.06.2023	Achazi, Maglione Advanced Light Microscopy and Cell-based Assays in Biomedical Research and Neuroscience Schedule: 05.06. - 16.06.23 (9:00 - 18:00) Number of participants: 4 Location: Altensteinstr. 23a, room 011

Special Aspects of Molecular Biomedicine

LV-Nr.	1. Appointment	Beschreibung
216730 S	30.09.2019	Knaus, Stricker Growth factor signalling interplay with cell mechanics Schedule: 24.04. -26.04.23 Number of participants: 2 Location: Online and Thielallee 63, room 230 (lecture hall; Lise-Meitner-Hörsaal)

Methods Modules from the Institute of Biology

LV-Nr.	Lehrform	Titel	Spots
23305 a,b,c	MOD V,S,P	Ökologie der Pflanzen, Pilze und Mikroorganismen	1
23410 a,b,c	MOD V,S,P	Mechanismen der mikrobielle Stressanpassung	2
23412 a,b	MOD V, S	Plant-microbe interactions and single-cell methods	3
23420 a,b,c	MOD V,S,P	Molekulare Neurogenetik	1
23445 a,b,c	MOD V,S, P	Epigenetik der Pflanzen, Tiere und Pilze I	2
23451 a,b,c	MOD V,S,P	Molekulare Physiologie der pflanzlichen Akklima.	2

Please note: Method modules from the Institute of Biology are counted for the area of affine studies with a maximum of 10 LP (regardless of the module description)!

METHODS MODULES					
Course No	Titel	Lecturer	Strubi	Mobi	Medi
216201 a,b,c	Biomolecular X-ray Crystallography	Wahl, Loll, Weiss, Daumke	+		
216202 a,b	Quantitative Fluorescence Microscopy	Ewers	+	+	+
216211 a,b	Biological NMR Spectroscopy	Milles	+		
216212 a,b	Biophysical Methods	Roderer	+		
216302 a,b	Structural Characterization...by Electron Microscopical Techniques	Ludwig, Hilal	+		
216402 a,b	Nucleic Acids	Fürste, Schröder		+	+
216403 a,b	Protein Analysis and Microsequencing	Schröder, Fürste		+	
216404 a, b	Bioanalytical Mass Spectrometry / Proteomic Analysis	Kuropka	+	+	
216405 a,b	Alternative Splicing and Protein–RNA Interaction	Heyd		+	+
216406 a,b	Gene editing with CRISPR/Cas 9 for Cell Biology	Bottanelli		+	+
216451 a,b	Membrane Protein Expression in Cell-free Systems	Kubick		+	+
216461/62 a,b	Production and Biophysical Analysis of Selected Membrane Proteins Part I	Schlesinger, Heberle	+	+	
216541 a,b	Molecular Virology	Mankertz			+
216602 a,b	Molecular Immunology	Freund, Alvaro Benito	+		+
216611 a,b	Membrane Traffic and Signalling	Krauss, Haucke, Posor		+	+
216612 a,b	Chemical Biology: Protein Synthesis, Labelling and Function	Hackenberger		+	+
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+
216624 a, b	Advanced Light Microscopy and Cell- based Assays ...	Achazi, Maglione	+	+	+