

Distribution of Methods Modules for the Winter Semester 2021/22

Last updated: 16th September 2021

✚ The following students are entitled to participate:

- Master students of Biochemistry
- Bachelor students of Biochemistry after successful completion of all basic lab courses

Please note:

- ✚ It is important for all participants of a face-to-face lab course to be fully vaccinated against COVID-19 two weeks ahead of the event.
- ✚ 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, 15.10.2021 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	<p>Part 1: 25.10.2021</p> <p>Part 2: 08.11.2021</p> <p>Part 3: 15.11.2021</p>	<p>Biomolecular X-ray Crystallography</p> <p>Number of participants: 6</p> <p>Part 1: Wahl, Loll Schedule: 25.10. – 05.11.21 Location: Takustr. 6, room 323 (Wahl group)</p> <p>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: 08.11. – 12.11.21 Location: Soft Matter and Functional Materials, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof or online</p> <p>Part 3: Daumke Schedule: 15.11. – 19.11.21 Location: Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch, or online</p>
216202 a, b S/P	10.01.2022	<p>Ewers</p> <p>Quantitative Fluorescence Microscopy Schedule: 10.01. – 21.01.2022 (10:00; all-day) Number of participants: 6 Location: Thielallee 63, room 106a (Ewers group)</p>
216211 a, b S/P	28.02.2022	<p>Oschkinat</p> <p>Biological NMR Spectroscopy Schedule: 28.02. – 11.03.2022 Number of participants: 12 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)</p>
216212 a, b S/P	21.02.2022	<p>Oschkinat</p> <p>Biophysical Methods Schedule: 21.02. – 04.03.2022 Number of participants: 8 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)</p>

Special Aspects of Structural Biochemistry

Course No.	1. Appointment	Description
216301 S	17.01.2022	<p>Ludwig</p> <p>Structural Characterisation of Supramolecular Architectures by Electron Microscopical Techniques Schedule: 17.01. – 21.01.2022 Number of participants: 2 Location: Fabeckstr. 36a, room 209 (Research Center of Electron Microscopy)</p>

Methods Modules of Molecular Biology

Course No.	1. Appointment	Description
216402 a, b S/P	28.03.2022	<p>Fürste, Schröder</p> <p>Nucleic Acids (Synthesis, Ribozymes, in-vitro Selection) Schedule: 28.03. – 08.04.2022 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory)</p>

216403 a, b S/P	14.03.2022	Schröder, Fürste Protein Analysis and Microsequencing Schedule: 14.03. – 25.03.2022 (09:30 – 17:00) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory)
216404 a, b S/P	01.11.2021	Weise, Kuropka Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 01.11. – 12.11.2021 (09:00 – 17:00) Number of participants: 4 Location: Thielallee 63, room 001 (laboratory)
216405 a,b S/P	15.11.2021	Heyd Alternative Splicing and Protein–RNA Interaction Schedule: 15.11. – 26.11.2021 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, room 001-002
216406 a,b S/P	07.02.2022	Bottanelli Gene editing with CRISPR/Cas 9 for cell biology Schedule: 07.02. – 18.02.2022 (09:15, all-day) Number of participants: 4 Location: Thielallee 63, Rooms will be announced on blackboard
216423 a,b S/P	07.02.2022	Mayer Quantitative Transcriptomics Schedule: 07.02. – 18.02.2022 (09:30, all day) Number of participants: 6 Location: Max Planck Institute for Molecular Genetics, Ihnestr. 63, 14195 Berlin, tower 2, seminar room 3
216451 a, b S/P	17.01.2021	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a,b in a prior semester. Schedule: 17.01. – 28.01.2022 (all-day) Number of participants: 10 (only 6 slots at the tombola) 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	07.03.2022	Schlesinger Production and Biophysical Analysis of Selected Membrane Proteins (Part 1) Schedule: 07.03. – 18.03.2022 (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	21.03.2022	Only together with: Heberle and staff Production and Biophysical Analysis of Selected Membrane Proteins (Part 2) Schedule: 21.03. – 25.03.2022 (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
216601 a,b S/P	21.02.2022	Knaus Cell Biology (advanced course): Signal Transduction Schedule: 21.02. – 05.03.2022 (all-day including seminar, start: 09:00) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory); Seminar room 230 (lecture hall)
216602 a,b S/P	08.11.2021	Freund, Alvaro Benito Molecular Immunology Schedule: 08.11. – 19.11.2021 (all-day) Number of participants: 4 Location: Thielallee 63, room 021 (Freund group)
216613 a, b S/P	14.03.2022	Schülein, Haucke Molecular Pharmacology and Cellular Signal Transduction Schedule: 14.03. – 25.03.2022 (9:00 – 17:00) Number of participants: 16 (only 7 slots at the tombola) Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str.10, 13125 Berlin Buch
216621 a, b S/P	08.11.2021	Stricker Analyzing Musculoskeletal Development in vivo Prerequisite: Attendance of V/S 216701 a,b in a prior semester Schedule: 08.11. – 19.11.2021, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) Number of participants: 2 Location: Thielallee 63, room 121 (Stricker group)
216623 a, b S/P	22.11.2021	Schulz Functional Genomics with CRISPR Schedule: 22.11. – 03.12.2021 (start: 09:00) Number of participants: 8 Location: Max Planck Institute for Molecular Genetics, Ihnestraße 63, 14195 Berlin; 2.212.1 (Schulz lab)

Special Aspects of Molecular Biomedicine

LV-Nr.	1. Appointment	Beschreibung
216730 S	13.12.2021	Knaus, Stricker Growth factor signalling interplay with cell mechanics Schedule: 13.12. – 15.12.2021 Number of participants: 2 Location: Thielallee 63, partly face-to-face, partly online

Modules from the Institute of Biology

LV-Nr.	Titel	Spots
23301 a,b (V,S)	MOD Foundation of Critical Thinking (Tom Bielik)	2
23411 a,b (V,S)	MOD Methoden der funktionellen Genomforschung von Mikroorganismen (Haike Antelmann)	2
23423 a,b,c,d (V,S)	MOD Evolutionary Medicine	4

Please note: Modules from the Institute of Biology are counted for the area of affine studies (electives) 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, Feiler, Weiss, Daumke	+		
216202 a,b	Quantitative Fluorescence Microscopy	Ewers	+	+	+
216211 a,b	Biological NMR Spectroscopy	Oschkinat	+		
216212 a,b	Biophysical Methods	Oschkinat	+		
216301a,b	Structural Characterization...by Electron Microscopical Techniques	Ludwig	+		
216402 a,b	Nucleic Acids	Fürste, Schröder		+	+
216403 a,b	Protein Analysis and Microsequencing	Weise, Schröder		+	
216404 a,b	Bioanalytical Mass Spectrometry / Proteomic Analysis	Weise	+	+	
216405 a,b	Alternative Splicing and Protein–RNA Interaction	Heyd		+	+
216406 a,b	Gene editing with CRISPR/Cas 9 for Cell Biology	Bottanelli		+	+
216423 a,b	Quantitative Transcriptomics	Mayer		+	+
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	+	+	
216601 a,b	Cell Biology (advanced course): Signal Transduction	Knaus		+	+
216602 a,b	Molecular Immunology	Freund, Alvaro Benito	+		+
216613 a,b	Molecular Pharmacology and Cellular Signal Transduction	Schülein, Haucke	+	+	+
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+
216623 a, b	Functional Genomics with CRISPR	Schulz		+	+
216730 S	Growth factor signaling interplay with Cell Mechanics	Knaus, Stricker			+