

Distribution of Methods Modules for the Winter Semester 2020/21

Last updated: 19th October 2020

- ✚ The following students are entitled to participate:
 - Master students of Biochemistry
 - Bachelor students of Biochemistry after successful completion of all basic lab courses
 - Diploma students of Biochemie after successful completion of the pre-diploma

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, 30.10.2020 at 09:00h
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
216203 a, b S/P	30.11.2020	Wahl, Loll, Feiler, Weiss, Daumke Biomolecular X-ray Crystallography Schedule: 30.11-11.12.2020 Number of participants: 6 Location: 1st week in presence at the Wahl Group, Takustr. 6; 2nd week online with MDC/BESSY
216211 a, b S/P	29.03.2021	Oschkinat Biological NMR Spectroscopy Schedule: 29.03 – 09.04.21 Number of participants: 12 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor), seminar online
216212 a, b S/P	17.02.2020	Oschkinat Biophysical Methods Schedule: 17.02. – 28.02.20 Number of participants: 8 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor), seminar online

Methods Modules of Molecular Biology

Course No.	1. Appointment	Description
216402 a, b S/P	29.03.2021	Fürste, Schröder Nucleic Acids (Synthesis, Ribozymes, in-vitro Selection) Schedule: 29.03.- 09.04.2021 (09:00, all-day) Number of participants: 6 (only 1 slot at the tombola) Location: Thielallee 63, room 001 (laboratory); Seminar room 230 (lecture hall) and online
216403 a, b S/P	15.03.2021	Weise, Schröder Protein Analysis and Microsequencing Schedule: 15.03 -26.03.2021 (09:30 – 17:00) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory); Seminar room 230 (lecture hall)
216404 a, b S/P	16.11.2020	Weise Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 16.11-27.11.2020 (09:00 – 17:00) Number of participants: 4 (only 2 slots at the tombola) Location: Thielallee 63, Rooms will be announced on blackboard
216405 a,b S/P	18.01.2021	Heyd Alternative Splicing and Protein–RNA Interaction Schedule: 18.01. – 29.01.21 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, room 001-002, Room for seminar will be announced on Blackboard
216406 a,b S/P	01.02.2020	Bottanelli Gene editing with CRISPR/Cas 9 for cell biology Schedule: 01.02.-12.02.2021 (09:15, all-day) Number of participants: 4 (only 1 slot at the tombola) Location: Thielallee 63, Rooms will be announced on blackboard

216423 a,b S/P	23.11.2020	Mayer Quantitative Transcriptomics Schedule: 23.11.-04.12.2020 (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	18.01.2021	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a,b in a prior semester. Schedule: 18.01.-29.01.2021 (all-day) Number of participants: 6 Location: Fraunhofer Institute for Cell Therapy and Immunology (IZI), Bioanalytics and Bioprocesses branch, Am M��hlenberg 13, 14476 Potsdam- Golm 2.WO24
216461 a,b S/P	08.03.2021	Schlesinger Production and Biophysical Analysis of Selected Membrane Proteins (Part 1) Schedule: 08.03.-19.03.21 (9:00 – 18:00) Number of participants: 6 (only 2 slots at the tombola) 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	22.03.2021	Only together with: Heberle and staff Production and Biophysical Analysis of Selected Membrane Proteins (Part 2) Schedule: 22.03.-26.03.21 (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	01.03.2021	Knaus Cell Biology (advanced course): Signal Transduction Schedule: 01.03-12.03.2021 (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	09.11.2020	Freund, Alvaro Benito Molecular Immunology Schedule: 09.11-20.11.2020 (all-day) Number of participants: 4 Location: Thielallee 63, room 021 (Freund group)
216611 a,b S/P	Briefing 21.12.2020	Haucke, Krau��, Maritzen, Hessenberger Membrane Traffic and Signaling / Intracellular Membrane Transport in Signal Transduction Schedule: Briefing 21.12.20 (18:00 – 19:00, room A2.16), Course 06.01.-22.01.2021 (09:15 – 18:00) Number of participants: 6 Location: Leibniz-Forschungsinstitut f��r Molekulare Pharmakologie (FMP); Robert-R��ssle-Str. 10, 13125 Berlin (Buch); Seminar online

216612 a, b S/P	11.01.2021	Hackenberger Chemical Biology: Protein Synthesis, Labeling and Function Schedule: 11.01-22.01.21 (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. Seminar on-line ; possibly the lab work will have to be done during weekends .
216613 a, b S/P	15.03.2021	Schüle, Haucke Molecular Pharmacology and Cellular Signal Transduction Schedule: 15.03.-26.03.2021 (9:00 – 17:00) Number of participants: 12 (only 4 slots at the tombola) Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str.10, 13125 Berlin Buch
216621 a, b S/P	09.11.2020	Stricker Analyzing Musculoskeletal Development in vivo Prerequisite: Attendance of V/S 216701 a,b in a prior semester Schedule: 09.11. – 20.11.2020, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) Number of participants: 2 (only 1 slot at the tombola) Location: Thielallee 63, room 121 (Stricker group)
216623 a, b S/P	09.11.2020	Schulz Functional Genomics with CRISPR Schedule: 09.11. – 20.11.2020 (start: 09:00) Number of participants: 6 Location: Max Planck Institute for Molecular Genetics, Ihnestr. 63, 14195 Berlin; 2.212.1 (Schulz lab) + parts online; Seminar online

Special Aspects of Molecular Biomedicine

<i>LV-Nr.</i>	<i>1. Appointment</i>	<i>Beschreibung</i>
216730 S	08.03.2020	Knaus, Stricker Growth factor signalling interplay with cell mechanics Schedule: 08.03.21 - 10.03.21 Number of participants: 2 Location: Thielallee 63, partly face-to-face, partly online; details will be announced on Blackboard

METHODS MODULES					
Course No	Titel	Lecturer	Strubi	Mobi	Medi
216203 a,b	Biomolecular X-ray Crystallography	Wahl, Loll, Feiler, Weiss, Daumke	+		
216211 a,b	Biological NMR Spectroscopy	Oschkinat	+		
216212 a,b	Biophysical Methods	Oschkinat	+		
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	+		+
216611 a,b	Membrane Traffic and Signaling	Haucke, Krauß, Maritzen, Hessenberger		+	+
216612 a,b	Chemical Biology: Protein Synthesis, Labeling and Function	Hackenberger		+	+
216613 a,b	Molecular Pharmacology and Cellular Signal Transduction	Schüle, 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			+