

Distribution of Methods Modules for the Summer Semester 2021

Last updated: 31st March 2021

- ± 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 Biochemistry 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, 09.04.2021 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

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216202 a, b S/P	07.06.2021	Ewers Quantitative Fluorescence Microscopy Schedule: 07.06. – 18.06.2021 (10:00; all-day) Number of participants: 6 Location: Thielallee 63, room 106a (Ewers group)
216203 a, b S/P	Seminar 25.05.2021	Wahl, Loll, Feiler, Weiss, Daumke Biomolecular X-ray Crystallography Schedule: 31.05 – 11.06.2021 + seminars: 25.05 – 28.05., 18:00 – 20:00 h 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	20.09.2021	Oschkinat Biological NMR Spectroscopy Schedule: 20.09 – 01.10.2021 Number of participants: 12 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	13.09.2021	Oschkinat Biophysical Methods Schedule: 13.09. – 24.09.2021 Number of participants: 8 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)

Special Aspects of Structural Biochemistry

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216301 S	14.06.2021	Ludwig Structural Characterisation of Supramolecular Architectures by Electron Microscopical Techniques Schedule: 14.06. – 18.06.2021 Number of participants: 2 Location: Fabeckstr. 36a, room 205 (Research Center of Electron Microscopy)

Methods Modules of Molecular Biology

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216402 a, b S/P	09.08.2021	Fürste, Schröder Nucleic Acids (Synthesis, Ribozymes, in-vitro Selection) Schedule: 09.08. – 20.08.2021 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory)
216403 a, b S/P	30.08.2021	Weise, Schröder Protein Analysis and Microsequencing Schedule: 30.08. – 10.09.2021 (09:30 – 17:00) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory)

216404 a, b S/P	20.09.2021	Weise Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 20.09. – 01.10.2021 (09:00 – 17:00) Number of participants: 4 Location: Thielallee 63, room 001 (laboratory)
216405 a,b S/P	21.06.2021	Heyd Alternative Splicing and Protein–RNA Interaction Schedule: 21.06. – 02.07.2021 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, room 001-002
216406 a,b S/P	14.06.2021	Bottanelli Gene editing with CRISPR/Cas 9 for cell biology Schedule: 14.06. – 25.06.2021 (09:15, all-day) Number of participants: 4 Location: Thielallee 63, Rooms will be announced on blackboard
216451 a, b S/P	The course will be offered twice: (1) 06.09.2021 (2) 27.09.2021	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a,b in a prior semester. Schedule: (1) 06.09. – 17.09.2021 (all-day) (2) 27.09. – 08.10.2021 (all-day) Number of participants: 6 per course Location: Fraunhofer Institute for Cell Therapy and Immunology (IZI), Bioanalytics and Bioprocesses branch, Am Mühlenberg 13, 14476 Potsdam-Golm 2.WO24

Methods Modules of Molecular Biomedicine

<i>LV-Nr.</i>	<i>1. Appointment</i>	<i>Description</i>
216601 a,b S/P	14.06.2021	Knaus Cell Biology (advanced course): Signal Transduction Schedule: 14.06. – 25.06.2021 (all-day including seminar, start: 09:00) Number of participants: 10 Location: online
216602 a,b S/P	07.06.2021	Freund, Alvaro Benito Molecular Immunology Schedule: 07.06. – 18.06.2021 (all-day) Number of participants: 4 Location: Thielallee 63, room 021 (Freund group)
216611 a,b S/P	Briefing 02.08.2021	Haucke, Krauß, Maritzen, Hessenberger Membrane Traffic and Signaling / Intracellular Membrane Transport in Signal Transduction Schedule: Briefing 02.08.21 (18:00 – 19:00), Course 11.08. – 27.08.2021 (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	17.05.2021	Hackenberger Chemical Biology: Protein Synthesis, Labeling and Function Schedule: 17.05. – 28.05.2021 (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	07.06.2021	Stricker Analyzing Musculoskeletal Development in vivo Prerequisite: Attendance of V/S 216701 a,b in a prior semester Schedule: 07.06. – 18.06.2021, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) Number of participants: 2 Location: Thieallee 63, room 121 (Stricker group)

METHODS MODULES					
Course No	Titel	Lecturer	Strubi	Mobi	Medi
216202 a,b	Quantitative Fluorescence Microscopy	Ewers	+	+	+
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	+		
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		+	+
216451 a,b	Membrane Protein Expression in Cell-free Systems	Kubick		+	+
216601 a,b	Cell Biology (advanced course): Signal Transduction	Knaus		+	+
216602 a,b	Molecular Immunology	Freund, Alvaro Benito	+		+
216611	Membrane Traffic and Signalling	Haucke, Krauß, Maritzen, Hessenberger		+	+
216612	Chemical Biology: Protein Synthesis, Labelling and Function	Hackenberger		+	+
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+