

# Distribution of Methods Modules for the Winter Semester 2022/23

Last updated: 30<sup>th</sup> August 2022

## 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, 14.10.2022 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>
<b>216201</b> a-c S/P	<p><b>Part 1:</b> 09.01.2023</p> <p><b>Part 2:</b> 23.01.2023</p> <p><b>Part 3:</b> 30.01.2023</p>	<p><b>Biomolecular X-ray Crystallography</b></p> <p><b>Number of participants: 9</b></p> <p><b>Part 1: Wahl, Loll</b> Schedule: 09.01.- 20.01.23 Location: Takustr. 6, room 323 (Wahl group)</p> <p><b>Part 2: Weiss</b> <b>Important note:</b> Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. Schedule: 23.01.- 27.01.23 Location: Macromolecular Crystallography, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof</p> <p><b>Part 3: Daumke</b> Schedule: 30.01.- 03.02.23 Location: Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch (Seminar: MDC, Haus 31.2, Raum 0211; Praktikum: Haus 31.2, Raum 0248 , AG Daumke)</p>
<b>216202</b> a, b S/P	<b>30.01.2023</b>	<p><b>Ewers</b></p> <p><b>Quantitative Fluorescence Microscopy</b> Schedule: 30.01.- 10.02.23 (10:00; all-day) <b>Number of participants: 6</b> Location: Thielallee 63, room 106a (Ewers group)</p>
<b>216211</b> a, b S/P	<b>13.03.2023</b>	<p><b>Milles, Oschkinat</b></p> <p><b>Biological NMR Spectroscopy</b> Schedule: 13.03.- 24.03.2023 <b>Number of participants: 8</b> Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)</p>
<b>216212</b> a, b S/P	<b>20.02.2023</b>	<p><b>Roderer</b></p> <p><b>Biophysical Methods</b> Schedule: 20.02.- 03.03.23 <b>Number of participants: 8</b> Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch, building 81, seminar room (Ground floor)</p>
<b>216302</b> a, b S/P	<b>16.01.2023</b>	<p><b>Ludwig, Hilal</b></p> <p><b>Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques</b> Schedule: 16.01.- 27.01.23 (9:00 - 18:00 h) <b>Number of participants: 4</b> Location: Fabeckstr. 36a, Room 205 (Research Center for Electron Microscopy)</p>

## Methods Modules of Molecular Biology

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
<b>216402</b> a, b S/P	<b>20.03.2023</b>	<p><b>Fürste, Schröder</b></p> <p><b>Nucleic Acids (Synthesis, Ribozymes, in-vitro Selection)</b> Schedule: 20.03.- 31.03.23 (09:00, all-day) <b>Number of participants: 6</b> Location: Thielallee 63, room 001 (laboratory)</p>

216403 a, b S/P	31.10.2022	<b>Schröder, Fürste</b> <b>Protein Analysis and Microsequencing</b> <b>Schedule:</b> 31.10.- 11.11.22 (09:30 – 17:00) <b>Number of participants: 6</b> <b>Location:</b> Thielallee 63, room 001 (laboratory)
216404 a, b S/P	13.02.2023	<b>Kuropka</b> <b>Bioanalytical Mass Spectrometry / Proteomic Analysis</b> <b>Schedule:</b> 13.02.- 24.02.23 (09:00 – 17:00) <b>Number of participants: 4</b> <b>Location:</b> Thielallee 63, room 316
216405 a,b S/P	14.11.2022	<b>Heyd, Preußner</b> <b>Alternative Splicing and Protein–RNA Interaction</b> <b>Schedule:</b> 14.11.- 25.11.22 (09:00, all-day) <b>Number of participants: 6</b> <b>Location:</b> Takustr. 6, room 001-002
216406 a,b S/P	20.02.2023	<b>Bottanelli</b> <b>Gene editing with CRISPR/Cas 9 for cell biology</b> <b>Schedule:</b> 20.02.- 03.03.2023 (09:15, all-day) <b>Number of participants: 4</b> <b>Location:</b> Thielallee 63, Rooms will be announced on blackboard
216423 a,b S/P	20.03.2023	<b>Mayer</b> <b>Quantitative Transcriptomics</b> <b>Schedule:</b> 20.03.- 31.03.23 (09:15, all day) <b>Number of participants: 6</b> <b>Location:</b> Max Planck Institute for Molecular Genetics, Ihnestr. 63, 14195 Berlin, tower 2, seminar room 3
216451 a, b S/P	05.12.2022 <b>Cancelled</b>	<b>Kubiak</b> <b>Membrane Protein Expression in Cell-free Systems</b> <b>Prerequisite:</b> Attendance of V/S 216501 a,b in a prior semester. <b>Schedule:</b> 05.12.– 16.12.22 (all-day) <b>Number of participants: 6</b> <b>Location:</b> 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	06.03.2023	<b>Schlesinger</b> <b>Production and Biophysical Analysis of Selected Membrane Proteins (Part 1)</b> <b>Schedule:</b> 06.03.- 17.03.23 (9:00 – 18:00) <b>Number of participants: 6</b>  <b>Location:</b> 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	20.03.2023	<b>Only together with:</b>  <b>Heberle and staff</b> <b>Production and Biophysical Analysis of Selected Membrane Proteins (Part 2)</b> <b>Schedule:</b> 20.03.- 24.03.23 (all-day) <b>Number of participants: 6</b> (for both events the same 6 participants) <b>Location:</b> 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	20.02.2023	<b>Knaus</b> <b>Cell Biology (advanced course): Signal Transduction</b> <b>Schedule:</b> 20.02.- 03.03.23 (all-day including seminar, start: 09:00) <b>Number of participants: 6</b> <b>Location:</b> Thielallee 63, room 001 (laboratory); Seminar room 230 (lecture hall) or online
216602 a,b S/P	07.11.2022	<b>Freund, Alvaro Benito</b> <b>Molecular Immunology</b> <b>Schedule:</b> 07.11.- 18.11.2022 (all-day) <b>Number of participants: 6</b> <b>Location:</b> Thielallee 63, room 021 (Freund group)
216613 a, b S/P	13.03.2023	<b>Schüle, Hauke</b> <b>Molecular Pharmacology and Cellular Signal Transduction</b> <b>Schedule:</b> 13.03.- 24.03.2023 (9:00 – 17:00) <b>Number of participants: 16</b> <b>Location:</b> Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin Buch
216621 a, b S/P	14.11.2022	<b>Stricker</b> <b>Analyzing Musculoskeletal Development in vivo</b> <b>Prerequisite:</b> Attendance of V/S 216701 a,b in a prior semester <b>Schedule:</b> 14.11.- 25.11.22, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) <b>Number of participants: 4</b> <b>Location:</b> Thielallee 63, room 121 (Stricker group)
216623 a, b S/P	16.01.2023	<b>Schulz</b> <b>Functional Genomics with CRISPR</b> <b>Schedule:</b> 16.01.- 27.01.23 (start: 09:00) <b>Number of participants: 8</b> <b>Location:</b> Max Planck Institute for Molecular Genetics, Ihnestr. 63, 14195 Berlin; 2.212.1 (Schulz lab)

## Modules from the Institute of Biology

LV-Nr.	Titel	Spots
23411 (V, S)	MOD Methoden der funktionellen Genomforschung von Mikroorganismen	2
23413 (V, S)	MOD Plant-microbe interactions and single-cell methods	3
23420 (V, S, P)	MOD Molekulare Neurogenetik	1
23423 (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)!**

<b>METHODS MODULES</b>					
<b>Course No</b>	<b>Titel</b>	<b>Lecturer</b>	<b>Strubi</b>	<b>Mobi</b>	<b>Medi</b>
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, Oschkinat	+		
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		+	+
216423 a,b	Quantitative Transcriptomics	Mayer		+	+
216451 a,b <b>cancelled</b>	<del>Membrane Protein Expression in Cell-free Systems</del>	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	Schüle, Haucke	+	+	+
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+
216623 a, b	Functional Genomics with CRISPR	Schulz		+	+