

Distribution of Methods Modules for the Summer Semester 2024

Last updated: 13th March 2024

Please read the instructions carefully:

- Only students from the **M.Sc. Biochemistry** and **B.Sc. Biochemistry**, as well as **exchange students** are entitled to participate.
- **You are entitled to one methods module per semester.** If there are still spots left after the first round of the Tombola, you may apply for more methods modules in a second round.
- **Participation in some modules requires the prior attendance of lectures or other courses. These courses are also specified in the list below.**
- Please ensure that you are available for the **complete duration of the course**, including any potential preliminary meetings.
- **If you are unable to attend a methods module, please inform the lecturer(s) immediately.**

Special note for Master students:

- Students must complete **one** methods module in **each of the fields MoBi, Medi and Strubi**. Alternatively, one of those can be substituted with a course from an affine field.
- **The first three method courses you take are compulsory electives.** Any further method modules you participate in are electives and will therefore be counted as a course in the electives section (special aspects) of the master's programme.
- A methods module consists of a seminar and a lab course. For some modules, 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 Electives section (special aspects of the corresponding field). **Please contact the respective lecturers directly if you want to participate.**
- You find a table of methods modules and corresponding fields on the last page of this file.

Schedule:

➔ Select your preferred courses online via this webpage: <https://alex.bcp.fu-berlin.de/index.php?page=resetpin&new=1&start=216>

➔ **Follow detailed instructions below!**

1. The registration for the first round of the Tombola closes on Wednesday, 10th April at 10pm
2. Participants will be notified once the distribution of the first round is complete.
3. In case you want to apply for additional courses that still have free slots after the first Tombola, you can register for the second round until Friday, 12th April at 12am (noon)
4. Participants will again be notified once the distribution of the second round is complete.
5. After the second Tombola all remaining spots are allotted on a first come first served basis.
6. You will be automatically signed into the courses in Campusmanagement during the following weeks.

If you still have questions regarding the sign up process, there will be an online demonstration on Monday, April 8th at 11:30 am via Webex. You will receive the link in the information e-mail. If you did not receive this e-mail by Friday, April 5th, please contact studbiochem@zedat.fu-berlin.de.

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/>

Instructions for registering for the Tombola

Please ensure that the information you provide is accurate, as it will be cross-checked with the student database. Providing false information may result in the forfeiture of your spot.

Specific instructions for M.Sc. students in green

Specific instructions for exchange students in blue

Specific instructions for B.Sc. students in magenta

1. Go to the webpage <https://alex.bcp.fu-berlin.de/index.php?page=resetpin&new=1&start=216> (information on this webpage is available in german and english)
2. Log into your profile (exam registration and allocation of places at FU) or create a new profile according to the instructions.
3. Click on "Courses". Here, you can search for the course number (*Course no.* in the table below) directly or search for "216" to see all biochemistry specific courses.
4. Select "sign in" for the courses you are interested in.
5. Select your study degree programme and semester.
 - **M.Sc.:** for the first semester in the M.Sc. Biochemistry the study semester is "1", for the second semester in the M.Sc. Biochemistry the study semester is "2", etc.
 - **Exchange:** please select "M.Sc. Biochemistry" for degree programme and "1" for your study semester
 - **B.Sc.:** please select "anderer Studiengang" for degree programme and your current study semester in the B.Sc. Biochemistry
6. Select type of module and field
 - **M.Sc.:** please select "compulsory elective module" if this is your first, second or third module. For further methods modules please select "elective module".
 - **Exchange:** please select "exchange programme".
 - **B.Sc.:** please select "compulsory elective module".
7. If you are eligible for pre-registration, check "yes".

*(This applies for example to students who are sole caregivers for a close relative, that have children living in their household, that are pregnant or have recently given birth or who have permanent health impairments or disabilities. Please refer to the "Satzung for Studienangelegenheiten" for details. **Please write an e-mail to the office of academic affairs (studienbuero@chemie.fu-berlin.de) explaining why you are eligible before the first deadline.** The original proof can be submitted after the Tombola as well.)*
8. Please check the greyed out boxes below **only** if you were for one of those reasons not able to participate in **any** method module in the last semester.
9. Click "Save" and repeat for the modules you are interested in. The number of method modules you can select is not limited. We recommend choosing at least five courses.
10. You can now weight your preferences using the stars on the left. You can assign up to three stars per course (3 = highest, 0 = lowest). The total number of stars you can assign is limited to seven and you may assign the same number of stars to multiple courses. The more stars you assign, the more likely you will get a spot in this course, especially for popular courses. You can also see how many people already signed up for the course here.

Methods Modules of Structural Biochemistry

Course No.	1. Appointment	Description
216201 a-c S/P	<p>Part 1: 27.05.2024</p> <p>Part 2: 10.06.2024</p> <p>Part 3: 17.06.2024</p>	<p>Biomolecular X-ray Crystallography</p> <p>Number of participants: 9 (7 Biochemistry + 2 Biology)</p> <p>Part 1: Wahl, Loll Schedule: 27.05. - 07.06.24 Location: Takustr. 6, room 323 (Wahl group)</p> <p>Part 2: Weiss, Weber Important note: Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. Schedule: 10.06. -14.06.24 Location: Macromolecular Crystallography, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof</p> <p>Part 3: Daumke Schedule: 17.06.-20.06.24 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> <p>Abschlusseminar am 21.06.2024</p>
216202 a, b S/P	24.06.2024	<p>Ewers, van Bommel</p> <p>Quantitative Fluorescence Microscopy Schedule: 24.06.-05.07.24 (9:00, all-day) Number of participants: 6 (5 Biochemistry + 1 Biology) Location: Thielallee 63, Rooms will be announced on blackboard</p>
216211 a, b S/P	16.09.2024	<p>Milles, Oschkinat</p> <p>Biological NMR Spectroscopy Schedule: 16.09 - 27.9.2024 (9:00, all-day) 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>
216212 a, b S/P	02.09.24	<p>Roderer</p> <p>Biophysical Methods Schedule: 2.9.-13.09.24 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>
216302 a, b S/P	17.06.2024	<p>Ludwig, Hilal</p> <p>Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques Schedule: 17.6.-28.6.24 (9:00 - 18:00 h) Number of participants: 4 Location: Fabeckstr. 36a, Room 205 (Research Center for Electron Microscopy)</p>

Methods Modules of Molecular Biology

Course No.	1. Appointment	Description
216405 a,b S/P	17.06.2024	<p>Heyd, Preußner</p> <p>Alternative Splicing and Protein–RNA Interaction Schedule: 17.06.-28.06.24 (09:00, all-day) Number of participants: 6 (5 Biochemistry + 1 Biology) Location: Takustr. 6, room 001-002</p>

216406 a,b S/P	17.06.2024	Bottanelli Gene editing with CRISPR/Cas 9 for cell biology Schedule: 17.06.-28.06.24 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, Rooms will be announced on blackboard <i>Only together with:</i>
216407 S	01.07.2024	Bottanelli Gene editing with CRISPR/Cas 9 for cell biology (Part 2) Schedule: 01.07. – 05.07.24 (9:00,all-day) Number of participants: 6 (for both events the same 6 participants) Location: Thielallee 63, Rooms will be announced on blackboard
216461 a,b S/P	09.09.2024	Schlesinger Production and Biophysical Analysis of Selected Membrane Proteins (Part 1) Schedule: 09.09.-20.09.24 (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	23.9.2024	<i>Only together with:</i> Heberle Production and Biophysical Analysis of Selected Membrane Proteins (Part 2) Schedule: 23.9.-27.9.24 (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
216602 a,b S/P	06.05.2024	Freund, Sticht Molecular Immunology Schedule: 6.5.-17.05.24 (all-day) Number of participants: 6 (5 Biochemistry + 1 Biology) Location: Thielallee 63, room 021 (Freund group)
216611 a,b S/P	Briefing 14.05.2024	Krauss, Haucke, Posor Membrane Traffic and Signaling / Intracellular Membrane Transport in Signal Transduction Note: Seminar takes place before practical course: 29.5.-31.5.24 (15:00 – 18:00 on site) Schedule: Briefing 14.05.24, 17:00 online Course 10.6.- 21.6.24 (9:15 – 18:00) Number of participants: 10 (8 Biochemistry + 2 Biology) Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str. 10, 13125 Berlin (Buch)
216612 a,b S/P	22.04.2024	Hackenberger Chemical Biology: Protein Synthesis, Labeling and Function Schedule: 22.04.-03.05.24 (all-day including seminar, start: 09:00) Number of participants: 10 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	03.06.2024	Stricker Analyzing Musculoskeletal Development in vivo Recommendation: It is recommended to complete module 216701 a, b "Introduction to developmental biology" before taking the methods module. Schedule: 3.6. – 14.6.24, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) Number of participants: 4 (3 Biochemistry + 1 Biology) Location: Thieallee 63, room 121 (Stricker group)
216624 a, b S/P	03.06.2024	Achazi, Maglione Advanced Light Microscopy and Cell-based Assays in Biomedical Research and Neuroscience Important note: Persons that are pregnant, breastfeeding or immune suppressed are prohibited from participating in the practical part of this course due to the requirement of working under S2 conditions. Schedule: 03.06. -07.6.2024 and 17.06.- 21.6.24 (9:00 - 18:00) Number of participants: 4 Location: Altensteinstr. 23a, room 011
216628 a, b S/P		Majer Immunobiology of infections Schedule: 17.06. – 28.06.24 (9:00, all day) Number of participants: 6 Location: Max Planck Institute for Infection Biology, Charitéplatz 1, 10117 Berlin, Meeting point lobby (main entrance from Virchowweg on the Charite grounds)

Methods Modules from the Institute of Biology

LV Nr.	Lehrform	Titel	Plätze
23420 a,b,c	V,S,P	Molekulare Neurogenetik	1
23410 a,b,c	V,S,P	Molekulare Mikrobiologie und Mikrogenphysiologie	2
23446 a,b,c	V,S,P	Biochemistry and Molecular Biology of Plant-Microbe Interactions	2
23451 a,b,c	V,S,P	Physiology of Plant Adaptation and Acclimation to a variable Environment	3

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)! Modules with a German title are also taught in German!

Further Electives from the Institute of Biology

LV Nr.	Lehrform	Titel	Plätze
23413a,b	V,S	Plant-microbe interactions and single-cell methods	3
23445 a,b	V,S	Epigenetik der Pflanzen, Tiere und Pilze II	2

Please note: These electives are also counted for the area of affine studies (5 LP)! Modules with a German title are also taught in German!

Please note: Spots in these electives will not be allocated in the Tombola. Please contact the respective lecturers via e-mail, if you wish to participate.

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, van Bommel	+	+	+
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	+		
216405 a,b	Alternative Splicing and Protein–RNA Interaction	Heyd, Preußner		+	+
216406 a,b	Gene editing with CRISPR/Cas 9 for Cell Biology	Bottanelli		+	+
216461/62 a,b	Production and Biophysical Analysis of Selected Membrane Proteins Part I	Schlesinger, Heberle	+	+	
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 in Biomedical	Achazi, Maglione	+	+	+
216628 a,b	Immunobiology of infections	Majer		+	+