

Distribution of Methods Modules for the Winter Semester 2024/25

Last updated: 2nd July 2024

Schedule:

1. Select your preferred courses online via this webpage: <https://kleier.userpage.fu-berlin.de/exam/index.php?page=courses&start=216>
 - **Follow detailed instructions below!**
2. The registration for the first round of the Tombola closes on Wednesday, 9th October at 10pm
3. Participants will be notified once the distribution of the first round is complete.
4. You have the chance to select additional courses for the second round until Friday, 11th October at 12am
5. Participants will again be notified once the distribution of the second round is complete.
6. The remaining spots are allotted on a first come first served basis.
7. 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, October 7th 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, October 4th, please contact studbiochem@zedat.fu-berlin.de.

Please note:

- Only students from the **M.Sc. Biochemistry** and **B.Sc. Biochemistry**, as well as **exchange students** are entitled to participate.
- **For the participation in some modules the prior attendance of lectures or other courses is recommended.** These courses are also specified in the list below.
- **You are entitled to one method course per semester.** If there are still spots left after the first round of the Tombola, you may apply for more.
- 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 program.
- 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 Elective 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.

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

1. Go to the webpage <https://kleier.userpage.fu-berlin.de/exam/index.php?page=courses&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 program 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** and "1" for your study semester
 - **B.Sc.:** please select **"anderer Studiengang"** and your current study semester in the B.Sc. Biochemistry
6. Select type of module and field
 - **M.Sc.:** please select "**compulsory electives**" if this is your first, second or third module. For further methods modules please select "**electives**".
 - **Exchange:** please select "**exchange program**".
 - **B.Sc.:** please select "**compulsory electives**".
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.

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.

Methods Modules of Structural Biochemistry

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216201 a-c S/P	<p>Part 1: 28.10.2024</p> <p>Part 2: 11.11.2024</p> <p>Part 3: 18.11.2024</p>	<p>Biomolecular X-ray Crystallography</p> <p>Number of participants: 9</p> <p>Part 1: Wahl, Loll Schedule: 28.10. - 08.11.24 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: 11.11. -15.11.24 Location: Macromolecular Crystallography, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof</p> <p>Part 3: Daumke Schedule: 18.11.-21.11.24 Location: Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch (Seminar: MDC, Haus 31.2, room 0211; Praktikum: Haus 31.2, roo 0248 , AG Daumke)</p> <p>Abschlusseminar am 22.11.2024</p>
216202 a, b S/P	20.01.2025	<p>Ewers, van Bommel</p> <p>Quantitative Fluorescence Microscopy Schedule: 20.01.-31.01.25 (9:00, all-day) Number of participants: 6 Location: Thielallee 63, rooms will be announced on blackboard</p>
216302 a, b S/P	13.01.2025	<p>Ludwig, Hilal</p> <p>Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques Schedule: 13.01. – 24.01.25 (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

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216404 a, b S/P	18.11.2024	<p>Kuropka</p> <p>Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 18.11.- 29.11.24 (09:00 – 17:00) Number of participants: 4 Location: Thielallee 63, room 316</p>
216405 a,b S/P	11.11.2024	<p>Heyd, Preußner</p> <p>Alternative Splicing and Protein–RNA Interaction Schedule: 11.11.-22.11.24 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, room 001-002</p>

216406 a,b S/P	20.01.2025	<p>Bottanelli Gene editing with CRISPR/Cas 9 for cell biology Schedule: 20.01.-31.01.25 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, rooms will be announced on blackboard</p> <p><i>Only together with:</i></p>
216407 S	03.02.2025	<p>Bottanelli Gene editing with CRISPR/Cas 9 for cell biology (Part 2) Schedule: 03.02. – 07.02.25 (9:00-10:00) Number of participants: 6 (for both events the same 6 participants) Location: Thielallee 63, rooms will be announced on blackboard</p>

Methods Modules of Molecular Biomedicine

LV-Nr.	1. Appointment	Description
216601 a,b S/P	10.03.2025	<p>Knaus Cell Biology (advanced course): Signal Transduction Schedule: 10.03. – 21.03.25 (all-day including seminar, start: 09:00) Number of participants: 6 Location: Thielallee 63, room 001 (laboratory); Seminar room 230 (lecture hall) or online</p>
216602 a,b S/P	04.11.2024	<p>Freund, Sticht Molecular Immunology Schedule: 04.11.-15.11.24 (all-day) Number of participants: 6 Location: Thielallee 63, room 021 (Freund group)</p>
216613 a, b S/P	17.03.2025	<p>Schüle, Hauke Molecular Pharmacology and Cellular Signal Transduction Schedule: 17.3. – 28.3.25 (9:00 – 17:00) Number of participants: 16 Location: Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP); Robert-Rössle-Str.10, 13125 Berlin Buch</p>
216621 a, b S/P	11.11.2024	<p>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: 11.11. – 22.11.24, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) Number of participants: 4 (3 Biochemistry + 1 Biology) Location: Thielallee 63, room 121 (Stricker group)</p>
216624 a, b S/P	20.01.2025	<p>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: 20.01. - 31.01.2025 (9:00 - 18:00) Number of participants: 4 Location: Altensteinstr. 23a, room 011</p>
216626 a,b S/P	27.01.2025	<p>Sawamiphak Modelling cardiovascular development and diseases in zebrafish Schedule: 27.01.- 07.02.25 Number of participants: 6 Location: Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch (rooms will be announced via e-mail)</p>

Methods Modules from the Institute of Biology

LV Nr.	Lehrform	Titel	Plätze
23420a, b, c	V,S,P	Molekulare Neurogenetik	1

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

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.

LV Nr.	Lehrform	Titel	Plätze
23411a, b	V,S	Methoden der funktionellen Genomforschung von Mikroorganismen	2
23413a,b	V,S	Plant-microbe interactions and single-cell methods	3
23423a, b	V,S	Evolutionary Medicine	4

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	+	+	+
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		+	+
216404 a,b	Bioanalytical Mass Spectrometry / Proteomic Analysis	Kuropka	+	+	+
216601 a,b	Cell Biology (advanced course): Signal Transduction	Knaus		+	+
216602 a,b	Molecular Immunology	Freund, Sticht	+		+
216613 a,b	Molecular Pharmacology and Cellular Signal Transduction	Schülein, Haucke	+	+	+
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+
216624 a,b	Advanced Light Microscopy and Cell- based Assays in Biomedical	Achazi, Maglione	+	+	+
216626 a,b	Modelling cardiovascular development and diseases in zebrafish	Sawamiphak			+