

# Distribution of Methods Modules for the Winter Semester 2023/24

Last updated: 29<sup>th</sup> September 2023

- ✚ 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.

**The distribution of Method Modules will take place as a digital Tombola this semester. The deadline for submitting your preferences is **Wednesday, October 11<sup>th</sup> 10pm.****

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 (especially for the courses from the biology institute) or search for "216" to see all biochemistry specific courses.

Search / Add course:

4. Select "sign in" for the courses you are interested in.

LV no.	Description	Deadline
Priority®	Status	Action
216000ab	Biochemical positron adsorption spectrometry for testing purposes	11.10.2023 um 22:00 Uhr
<small>2 available places</small>		<input type="button" value="sign in"/>

5. Select your study program (for masters program select "Biochemie MSc", Erasmus students also select "Biochemie MSc", students in the Bachelor's program select "anderer Studiengang")
6. Select your study semester (for the first semester in the Biochemistry MSc the study semester is "1", for the second semester in the Biochemistry MSc the study semester is "2", etc., Erasmus students put in "1")

Further details:

My degree programme is:

My study semester in the **WiSe 2023/24**:

7. Select
  - a. "**compulsory elective module**" if this is your first, second or third method module
  - b. "**elective module**" if you have already fulfilled your requirements for method modules (3 method modules and at least two of them in different fields of MoBi, Medi and Strubi)
  - c. "**exchange program**" if you're in a student exchange program like Erasmus or others
8. Select
  - a. "**Methods (respective area you want it to be counted in)**" if you chose "compulsory elective module" or "exchange program"
  - b. "**Special Aspects**" (if you want it to be counted in a specific field within the electives) if you chose "elective module" before

I am taking the course as part of  in the following context:

9. 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. The proof can be submitted after the Tombola as well.)

I am eligible for pre-registration, according to section 11 (3) Sfs:  Yes  No If so, proof must be submitted to the office of study affairs in good time (at the latest one week before the deadline).

10. Please check the boxes below **only** if you were for one of those reasons not able to participate in **any** method module in the last semester.

I was unsuccessful in getting a place last  despite registering properly.

I was allocated a place last , but was unable to take it due to illness or attendance at compulsory courses taking place at the same time.

11. 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.

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.

12. 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.

LV no.	Description	Deadline
Priority®	Status	Action
216000ab	<b>Biochemical positron adsorption spectrometry for testing purposes</b>	11.10.2023 um 22:00 Uhr
☆☆☆	place requested Stg=390, 1.FS, W-Prf., Methods (StruBi), Präf.: Biochemical positron adsorption spectroscopy (14.10. - 28.10.2023; 9.00 - all day) 1 registrations on 2 available places	<a href="#">sign out</a>

### First Deadline: Wednesday, October 11<sup>th</sup> 10pm (22:00 Uhr)

You can submit and alter your selection up to this deadline. Please be sure to sign up for the courses on time, as a spot in a method module cannot be guaranteed after missing the deadline. The modules will be allotted on Thursday, October 12<sup>th</sup>, and you will get a notification E-Mail in the afternoon once it is done. You can see which course you received on the same website.

### Second Deadline: Friday, October 13<sup>th</sup> 12am (12:00 Uhr)

The remaining places will be allotted following the same procedure. You may sign up for a second course between Thursday, October 12<sup>th</sup> in the evening (after you received a notification E-mail that the first round of allocation is finished) and Friday, October 13<sup>th</sup> 12am, if you want to. **Please make sure that the dates of any other module that you want to register for do not overlap with your first allotted module and any other obligations during the semester.** The results will be accessible on Monday, October 16<sup>th</sup>.

As always, you will be signed into the courses in Campusmanagement after the spots have been allotted. This may take a few days. Your instructors will be informed immediately and can contact you via e-mail.

**If you still have questions regarding the sign up process, there will be an online demonstration on Monday, October 9<sup>th</sup> 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 6<sup>th</sup>, please contact [studbiochem@zedat.fu-berlin.de](mailto:studbiochem@zedat.fu-berlin.de).**

## Methods Modules of Structural Biochemistry

Course No.	1. Appointment	Description
216201 a-c S/P	<p><b>Part 1:</b> 13.11.2023</p> <p><b>Part 2:</b> 27.11.2023</p> <p><b>Part 3:</b> 04.12.2023</p>	<p><b>Biomolecular X-ray Crystallography</b></p> <p><b>Number of participants: 9</b></p> <p><b>Part 1: Wahl, Loll</b> <b>Schedule:</b> 13.11.- 25.11.23 <b>Location:</b> Takustr. 6, room 323 (Wahl group)</p> <p><b>Part 2: Weiss, Weber</b> <b>Important note:</b> Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. <b>Schedule:</b> 27.11.- 01.12.23 <b>Location:</b> Macromolecular Crystallography, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof</p> <p><b>Part 3: Daumke</b> <b>Schedule:</b> 04.12.- 08.12.23 <b>Location:</b> 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>
216202 a, b S/P	22.01.2024	<p><b>Ewers, van Bommel</b></p> <p><b>Quantitative Fluorescence Microscopy</b> <b>Schedule:</b> 22.01. – 02.02.24 (9:00; all-day) <b>Number of participants: 6</b> <b>Location:</b> Thielallee 63, Rooms will be announced on blackboard</p>
216211 a, b S/P	26.02.2024	<p><b>Milles, Oschkinat</b></p> <p><b>Biological NMR Spectroscopy</b> <b>Schedule:</b> 26.02.-07.03.24 <b>Number of participants: 8</b> <b>Location:</b> 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	15.01.2024	<p><b>Ludwig, Hilal</b></p> <p><b>Structural Characterisation of Supramolecular Architectures and Proteins by Electron Microscopical Techniques</b> <b>Schedule:</b> 15.01. – 26.01.24 (9:00 - 18:00 h) <b>Number of participants: 4</b> <b>Location:</b> Fabeckstr. 36a, Room 205 (Research Center for Electron Microscopy)</p>

## Methods Modules of Molecular Biology

Course No.	1. Appointment	Description
216404 a, b S/P	13.11.2023	<p><b>Kuropka</b></p> <p><b>Bioanalytical Mass Spectrometry / Proteomic Analysis</b> <b>Schedule:</b> 13.11.- 24.11.23 (09:00 – 17:00) <b>Number of participants: 4</b> <b>Location:</b> Thielallee 63, room 316</p>
216405 a,b S/P	13.11.2023	<p><b>Heyd, Preußner</b></p> <p><b>Alternative Splicing and Protein–RNA Interaction</b> <b>Schedule:</b> 13.11.-24.11.23 (09:00, all-day) <b>Number of participants: 6</b> <b>Location:</b> Takustr. 6, room 001-002</p>

216406 a,b S/P	22.01.2024	<b>Bottanelli</b> <b>Gene editing with CRISPR/Cas 9 for cell biology</b> <b>Schedule:</b> 22.01.24 – 02.02.24 (09:00, all-day) <b>Number of participants: 6</b> <b>Location:</b> Thielallee 63, Rooms will be announced on blackboard  <i>Only together with:</i>
216407 S	05.02.2024	<b>Bottanelli</b> <b>Gene editing with CRISPR/Cas 9 for cell biology (Part 2)</b> <b>Schedule:</b> 05.02.24 – 9.02.24 (9:00-10:00) <b>Number of participants: 6 (for both events the same 6 participants)</b> <b>Location:</b> Thielallee 63, Rooms will be announced on blackboard
216423 a,b S/P	05.02.2024	<b>Mayer</b> <b>Quantitative Transcriptomics</b> <b>Schedule:</b> 5.2.-16.2.24 (09:15, all day) <b>Number of participants: 6</b> <b>Location:</b> Max Planck Institute for Molecular Genetics, Ihnestraße 63, 14195 Berlin, tower 2, seminar room 3
216451 a, b S/P	11.03.2023	<b>Kubick</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> 11.03. – 22.03.24 (all-day) <b>Number of participants: 6</b> <b>Location:</b> B4 PharmaTech GmbH (location to be announced, expected to take place in Dahlem)

## Methods Modules of Molecular Biomedicine

LV-Nr.	1. Appointment	Description
216601 a,b S/P	19.02.2024	<b>Knaus</b> <b>Cell Biology (advanced course): Signal Transduction</b> <b>Schedule:</b> 19.02. – 01.03.24 (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	06.11.2023	<b>Freund, Alvaro Benito</b> <b>Molecular Immunology</b> <b>Schedule:</b> 06.11- 17.11.23 (all-day) <b>Number of participants: 6</b> <b>Location:</b> Thielallee 63, room 021 (Freund group)
216613 a, b S/P	11.03.2024	<b>Schülein, Haucke</b> <b>Molecular Pharmacology and Cellular Signal Transduction</b> <b>Schedule:</b> 11.3. – 22.3.24 (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	13.11.2023	<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> 13.11.- 24.11.23, all-day (9:00 – approx. 17:00; exact schedule will be communicated on first day) <b>Number of participants: 4</b> <b>Location:</b> Thieallee 63, room 121 (Stricker group)

216624 a, b S/P	15.01.2024	Achazi, Maglione <b>Advanced Light Microscopy and Cell-based Assays in Biomedical Research and Neuroscience</b> <b>Important note:</b> 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. <b>Schedule:</b> 15.01.24 – 26.01.24 (9:00 - 18:00) <b>Number of participants: 4</b> <b>Location:</b> Altensteinstr. 23a, room 011
216626 a, b S/P	06.11.2023	Sawamiphak <b>Modelling cardiovascular development and diseases in zebrafish</b> <b>Schedule:</b> 06.11.23-17.11.23 <b>Number of participants: 6</b> <b>Location:</b> Max Delbrück Center for Molecular Medicine; Robert-Rössle-Str. 10, 13125 Berlin Buch (rooms will be announced via e-mail)

## 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

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
23416a, b	V,S	Topics in Plant-microbe-insect interactions	4
23423a, b	V,S	Evolutionary Medicine	4

**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.**

<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, van Bommel	+	+	+
216211 a,b	Biological NMR Spectroscopy	Milles, Oschkinat	+		
216302 a,b	Structural Characterization...by Electron Microscopical Techniques	Ludwig, Hilal	+		
216404 a,b	Bioanalytical Mass Spectrometry / Proteomic Analysis	Kuropka	+	+	
216405 a,b	Alternative Splicing and Protein–RNA Interaction	Heyd, Preußner		+	+
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		+	+
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		+	+
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			+