

Distribution of Methods Modules for the Winter Semester 2018/19

Last updated: 9th August 2018

- ✦ 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 Biochemie 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 Methods Modules (Tombola):
Monday, 15.10.18 at 09:00h
Lise-Meitner-Hörsaal, Thielallee 63**

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>
216201 a-c S/P	<p>Part 1: 05.11.2018</p> <p>Part 2: 19.11.2018</p> <p>Part 3: 26.11.2018</p> <p>Final Seminar 30.11.2018</p>	<p>Biomolecular X-ray Crystallography</p> <p>Number of participants: 8</p> <p>Part 1: Wahl, Loll Schedule: 05.11. – 16.11.18 and 30.11.18 (final seminar) Location: Takustr. 6, 3. OG, Wahl group</p> <p>Part 2: Feiler, Weiss Important note: Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. Schedule: 19.11. – 23.11.18, Meeting point 10:00 am at the gatekeeper Location: Soft Matter and Functional Materials, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof</p> <p>Part 3: Heinemann Schedule: 26.11. – 29.11.18 Location: MDC for Molecular Medicine, Robert-Rössle-Str. 10, 13125 Berlin (Buch), Seminar: MDC.C (House 83). Dendrit 2; Practical: House 31.2, Room 0248, Heinemann group (see course catalogue)</p> <p>Final seminar for 216201 a-c Schedule: 30.11.18 (09:00 – 12:00) Location: Takustr. 6, SR 323, Wahl group</p>
216202 a, b S/P	14.01.2019	<p>Ewers, Fehse</p> <p>Quantitative Fluorescence Microscopy Schedule: 14.01. – 25.01.19 (09:30 – 16:00) Number of participants: 6 Location: Thielallee 63, Ewers group, Room 106A</p>

Special Aspects of Structural Biochemistry

<i>LV-Nr.</i>	<i>1. Appointment</i>	<i>Beschreibung</i>
216301 S	Briefing 29.10.2018	<p>Böttcher</p> <p>Structural Characterisation of Supramolecular Architectures by Electron Microscopical Techniques Schedule: 21.01. – 25.01.19 (09:00 – 18:00) Briefing (mandatory): 29.10.18 (10:00 s.t. – about 11:00) Number of participants: 4 Location: Forschungszentrum Elektronenmikroskopie, Fabeckstr. 36a, Room 205</p>

Methods Modules of Molecular Biology

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216401 a, b S/P	05.11.2018	<p>Freund, Alvaro-Benito</p> <p>Protein Engineering Schedule: 05.11. – 16.11.18 Number of participants: 6 Location: Thielallee 63, Freund group</p>
216402 a, b S/P	18.03.2019	<p>Fürste, Schröder</p> <p>Nucleic Acids (Synthesis, Ribozymes, invitro Selection) Schedule: 18.03. – 29.03.19 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, Seminar room (Anbau) and Lab 005 / 006</p>

216403 a, b S/P	03.12.2018	Weise, Schröder Protein Analysis and Microsequencing Schedule: 03.12. – 14.12.18 (09:30 – 17:00) Number of participants: 6 Location: Thielallee 63, Seminar Room (Anbau) and Lab 005 / 006
216404 a, b S/P	03.12.2018	Weise Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 03.12. – 14.12.18 (09:00 – 17:00) Number of participants: 4 Location: Thielallee 63, SR321 and Lab 315
216405 a,b S/P	05.11.2018	Heyd Alternative Splicing and Protein–RNA Interaction Schedule: 05.11. – 16.11.18 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, Heyd group (SR 121, P-R 001-002)
216421 a,b S/P	04.02.2019	Chekulaeva Ribosome Profiling Schedule: 04.02. – 15.02.19 (10:00, all-day) Number of participants: 6 Location: Max-Delbrück-Center for Molecular Medicine, Robert-Rössle-Str. 10, building 89, R2.14 or already in Berlin-Mitte
216451 a, b S/P	14.01.2019	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a,b in a prior semester. Schedule: 14.01. – 25.01.19 (all-day) Number of participants: 6 Location: Fraunhofer Institut für Zelltherapie und Immunologie (IZI), Institutsteil Bioanalytik und Bioprozesse (IZI-BB) Potsdam-Golm, Am Mühlenberg 13, 14476 Potsdam, 2.WO24
216461 a,b S/P	11.03.2019	Schlesinger Production and Biophysical Analysis of Selected Membrane Proteins (Part 1) Schedule: 11.03. – 22.03.19 (9:00 – 18:00) Number of participants: 6 Location: FB Physik, Genetische Biophysik, Arnimallee 14 Interested students, without an official place, can send an e-mail (r.schlesinger@fu-berlin.de) to join a follow-up list.
216462 S	25.03.2019	Heberle and staff Production and Biophysical Analysis of Selected Membrane Proteins (Part 2) Schedule: 25.03. – 29.03.18 (all-day) Number of participants: 6 (for both events the same 6 participants) Location: FB Physik, Heberle group, Experimentelle Molekulare Biophysik, Arnimallee 14

Methods Modules of Molecular Biomedicine

LV-Nr.	1. Appointment	Description
216601 a,b S/P	18.02.2019	Knaus, Hiepen Cell Biology (advanced course): Signal Transduction Schedule: 18.02. – 01.03.19 (all-day including seminar, start: 09:00) Number of participants: 6 Location: Thielallee 63, Knaus group SR 205 and Lab 005

216613 a, b S/P	25.02.2019	Schülein, Haucke Molecular Pharmacology and Cellular Signal Transduction Schedule: 25.02. – 08.03.19 (9:00 – 17:00) Teilnehmerzahl: 12 Ort: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle-Str. 10, 13125 Berlin Buch
216621 a, b S/P	12.11.2018	Stricker Analyzing Musculoskeletal Development in vivo Prerequisite: Attendance of V/S 216701 a,b in a prior semester Schedule: 12.11. – 23.11.18, all-day (9:00 – apprx. 17:00; exact schedule will be communicated on first day) Number of participants: 4 Location: Thielallee 63, Stricker group, 1. OG left
216623 a, b S/P	19.11.2018	Schulz Functional Genomics with CRISPR Schedule: 19.11. – 30.11.2018 (start: 09:00) Number of participants: 6 Location: MPI for molecular Genetics, Schulz Lab, Ihnestraße 63-73

Methods Modules from the Institute of Biology

LV-Nr.	Titel	Spots
23305 a,b,c (V,S,P)	MOD Current and Classic Topics in Evolution and Ecology II (Jens Rolff)	2
23403 a,b (V,S)	MOD Spezielle Kapitel der molekularen Mikrobiologie (Haike Antelmann)	4
23408 a,b,c,d (V,S,P,Ü)	MOD Molekulare Pflanzengenetik (Reinhard Kunze)	2
23409 a,b,c,d (V,S,P,Ü)	MOD Methoden der Pflanzenmolekularbiologie (Reinhard Kunze, Thomas Schmülling, Jan Leuendorf)	1
23410 a,b,c (V,S,P)	MOD Molekulare Neurogenetik (Stephan Sigrist, Atefeh Pooryasin)	1
23411 a,b,c (V,S,P)	MOD The Structure and Function of Neural Circuits I (Mathias Wernet, Thomas Mathejczyk)	2
23412 a,b,c (V,S,P)	MOD The mammalian brain: structure, function...(theory) (Ursula Koch)	1

Please note: Method 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)!

METHODS						
Course No	Titel	Lecturer	Strubi	Mobi	Medi	Affi
216201 a-c	Biomolecular X-ray Crystallography	Wahl, Loll, Röwer, Weiss, Heinemann	+			
216202 a,b	Quantitative Fluorescence Microscopy	Ewers, Fehse	+	+	+	
216301a,b	Structural Characterization...by Electron Microscopical Techniques	Böttcher	+			
216401 a,b	Protein Engineering	Freund, Alvaro-Benito		+	+	
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		+	+	
216421 a,b	Ribosome Profiling / Methods to Monitor Translation	Chekulaeva		+		
216451 a,b	Membrane Protein Expression in Cell-free Systems	Kubick		+	+	
216461 a,b	Production and biophysical analysis of selected membrane proteins Part I	Schlesinger	+	+		
216601 a,b	Cell biology (advanced course): Signal Transduction	Knaus, Hiepen		+	+	
216613 a,b	Molecular Pharmacology and Cellular Signal Transduction	Schülein, Haucke		+	+	
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+	
216623 a, b	Functional Genomics with CRISPR	Schulz		+	+	