

Distribution of Methods Modules for the Winter Semester 2017 / 2018

Last updated: 12. Oktober 2017

- ✦ 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 a subject area of 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.

Please also refer to the course catalog:

<http://www.fu-berlin.de/vv/en/modul?sm=314889&id=74660>

**Distribution of Methods Modules (Tombola):
Monday, 16.10.17 at 9:00
Lise-Meitner-Hörsaal, Thielallee 63**

Latest update:

<http://www.bcp.fu-berlin.de/en/chemie/biochemie/master/Information-for-enrolled-students/index.html>

Methods Modules of Structural Biochemistry

Course No.	1. Appointment	Description
216201 a-c S/P	<p>Part 1: 11.12.2017</p> <p>Part 2: 15.01.2018</p> <p>Part 3: 22.01.2018</p> <p>Final Seminar 26.01.2018</p>	<p>Biomolecular X-ray Crystallography</p> <p>Number of participants: 8</p> <p>Part 1: Wahl, Loll Schedule: 11.12. – 22.12.2017 and 26.01.2018 (Final Seminar) Location: Takustr. 6, 3. OG, Wahl group</p> <p>Part 2: Röwer, Weiss Important note: Pregnant and breastfeeding women are prohibited from working on the storage ring (Part 2) due to radiation protection regulations. Schedule: 15.01. – 19.01.2018, Meeting point at 10:00 am at the gatekeeper Location: c/o Soft Matter and Functional Materials, Electron Storage Ring BESSY II, Albert-Einstein-Str. 15, 12489 Berlin, Adlershof</p> <p>Part 3: Heinemann Schedule: 22.01. – 25.01.2018 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: 26.01.2018 (9:00-12:00) Location: Takustr. 6, SR 323 Wahl group</p>
216202 a, b S/P	15.01.2018	<p>Ewers, Fehse</p> <p>Quantitative Fluorescence Microscopy Schedule: 15.01. – 26.01.2018 (10:30 – 16:00) Number of participants: 6 Location: Thielallee 63, Ewers group, Room 106A</p>
216211 a, b S/P	26.02.2018	<p>Oschkinat</p> <p>Biological NMR Spectroscopy Schedule: 26.02. – 09.03.2018 (10:00 – 17:00) Number of participants: 8 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch)</p>
216212 a, b S/P	19.02.2018	<p>Oschkinat</p> <p>Biophysical Methods Schedule: 19.02. – 02.03.2018 (10:00 – 17:00) Number of participants: 16 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch), House 81</p>
216241 a, b S/P	16.01.2018	<p>Lasch</p> <p>Spectroscopy and Proteomics in Microbiological Diagnostics Schedule: Briefing (mandatory): 16.01.2018 (9:00-9:30) Seminars, 16.01.2018 (9:30 – 13:00), 17.01.2018 (9:00 - 12:30) , 18.01.2018 (9:00 – 10:30) Practical course, 22.01. – 25.01.2018 (09:00-18:00), Final seminar, 26.01.2018 (9:00-12:00) Number of participants: 6 Location: RKI, Seestr. 10, 13353 Berlin, Room S05.EG.038, Haus 5; Please register at the gate keeper at 8:50!</p>

Special Aspects of Structural Biochemistry

<i>LV-Nr.</i>	<i>1. Appointment</i>	<i>Beschreibung</i>
216301 S	23.10.2017	Böttcher Structural Characterisation of Supramolecular Architectures by Electron Microscopical Techniques Schedule: 22.01. – 26.01.2018 (9:00 – 18:00), Briefing (mandatory): 23.10.17, 10:00 s.t. – about 11:00 Number of participants: 4 Location: Forschungszentrum Elektronenmikroskopie, Fabeckstr. 36a, Room 205

Methods Modules of Molecular Biology

<i>Course No.</i>	<i>1. Appointment</i>	<i>Description</i>
216401 a, b S/P	06.11.2017	Freund, Alvaro-Benito Protein Engineering Schedule: 06.11. – 17.11.17 Number of participants: 6 Location: Freund group, Thielallee 63
216402 a, b S/P	12.03.2018	Fürste, Schröder Nucleic acids (Synthesis, Ribozymes, in vitro Selection) Schedule: 12.03. – 23.03.18 (9:00, all-day) Number of participants: 6 Location: Seminar room (Anbau) and Lab 005 / 007, Thielallee 63
216403 a, b S/P	04.12.2017	Weise, Schröder Protein Analysis and Microsequencing Schedule: 04.12. – 15.12.17, usually Mo – Fr 10:00 – 17:00 Number of participants: 6 Location: Seminar Room (Anbau) and Lab 005 / 006, Thielallee 63
216404 a, b S/P	04.12.2017	Weise Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 04.12. – 15.12.17, 09:00 until about 17:00 Number of participants: 4 Location: Thielallee 63, SR321 and Room 315
216405 a,b S/P	30.10.2017	Heyd Alternative Splicing and Protein-RNA Interaction Schedule: 30.10. – 10.11.17 (9:00, all-day) Number of participants: 6 Location: Takustr. 6, Heyd group (SR 121, P-R 001-002)
216451 a, b S/P	15.01.2018	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a, b in a prior semester Schedule: 15.01. – 26.01.18 (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	05.03.2018	Schlesinger Production and Biophysical Analysis of Selected Membrane Proteins (Part 1) Schedule: 05.03 – 16.03.18 (9:00 – 18:00) 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. <i>Only together with:</i>
216462 S	19.03.2018	Heberle and staff Production and Biophysical Analysis of Selected Membrane Proteins (Part 2) Schedule: 19.03. – 23.03.18 (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	19.03.2018	Knaus, Hiepen Cell Biology (advanced course): Signal Transduction Schedule: 19.03. – 30.03.18, all-day including seminar (start: 9:00) Number of participants: 6 Location: Thielallee 63, SR 205 Knaus group and Lab 005
216613 a, b S/P	26.02.2017	Schülein, Haucke Molecular Pharmacology and Cellular Signal Transduction Schedule: 26.02. – 09.03.18 (9:00 – 17:00) Teilnehmerzahl: 16 Ort: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle-Str. 10, 13125 Berlin Buch
216621 a, b S/P	06.11.2017	Stricker Analyzing Musculoskeletal Development in vivo Schedule: 06.11. – 17.11.17, all-day (seminar starts 9:00; exact schedule will be communicated on first day) Number of participants: 4 Location: Stricker group, Thielallee 63, 1. OG left

Methods Modules from the Institute of Biology

LV-Nr.	Titel	Spots
23 307 a-c (V,S,P)	Current and Classic Topics in Evolution and Ecology II (Jens Rolff)	2
23 403 a,b (V,S) 5 LP	Spezielle Kapitel der molekularen Mikrobiologie (Haike Antelmann)	10
23 409 a-d (V,S,P,Ü)	Methoden der Pflanzenmolekularbiologie (Reinhard Kunze, Thomas Schmülling, Jan-Erik Leuendorf)	1
23 410 a-d (V,S,P,Ü)	Molekulare Pflanzengenetik (Reinhard Kunze)	2
23 411 a-c (V,S,P)	Molekulare Neurogenetik (Stephan Sigrist, Astrid Petzold)	1
23 412 a-c (V,S,P)	Entwicklung und Funktion von neuronalen Schaltkreisen (Ursula Koch)	1
23 415 a-c (V,S,P) 5 or 10 LP	The Structure and Function of Neural Circuits I / II (Mathias Wernet, Peter Robin Hiesinger)	2
23 416 a-c (V,S,P)	Neuroimmunologie und Physiologie der Microglia (Marcus Semtner)	2
23 417a-c (V,S,P)	Molekulare und Chemische Ökologie von Pflanze-Tier-Interaktionen (Gunnar Bröhan, Monika Hilker, Benjamin Fuchs)	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	+	+	+	
216211 a,b	Biological NMR Spectroscopy	Oschkinat	+			
216212 a,b	Biophysical Methods	Oschkinat	+			
216241 a,b	Spectroscopy and Proteomics in Microbiological Diagnostics	Lasch	+	+		
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		+	+	
216451 a,b	Membrane Protein Expression in Cell-free Systems	Kubick		+	+	
216461 a,b	Production and Biophysical Analysis of Selected Membrane Proteins	Schlesinger	+	+		
216541 a,b	Methods in Molecular Virology	Mankertz		+	+	
216601 a,b	Cell biology (advanced course): Signal Transduction	Knaus, Hiepen		+	+	
216613 a,b	Molecular Pharmacology and Cellular Signal Transduction	Haucke, Schülein		+	+	
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+	