

Distribution of Methods Modules for the Summer Semester 2018

Last updated: 21st March 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 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.

**Distribution of Methods Modules (Tombola):
Monday, 16.04.18 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

Course No.	1. Appointment	Description
216201 a-c S/P	<p>Part 1: 23.04.2018</p> <p>Part 2: 14.05.18</p> <p>Part 3: 21.05.2018</p> <p>Final Seminar 24.05.2018</p>	<p>Biomolecular X-ray Crystallography</p> <p>Number of participants: 8</p> <p>Part 1: Wahl, Loll Schedule: 23.04. – 04.05.18 and 24.05.18 (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: 14.05. – 17.05.18, 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: 21.05. – 23.05.18 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: 24.05.18 (09:00 – 12:00) Location: Takustr. 6, SR 323, Wahl group</p>
216202 a, b S/P	18.06.2018	<p>Ewers, Fehse</p> <p>Quantitative Fluorescence Microscopy Schedule: 18.06. – 29.06.18 (10:30 – 16:00) Number of participants: 6 Location: Thielallee 63, Ewers group, Room 106A</p>
216211 a, b S/P	17.09.2018	<p>Oschkinat</p> <p>Biological NMR Spectroscopy Schedule: 17.09. – 28.09.18 (10:00 – 17:00) Number of participants: 8 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch), Building C81</p>
216212 a, b S/P	10.09.2018	<p>Oschkinat</p> <p>Biophysical Methods Schedule: 10.09. – 21.09.18 (10:00 – 17:00) Number of participants: 16 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch), Building C81</p>
216213 a, b S/P	07.05.2018	<p>Kirstein</p> <p>Functional Analysis of Molecular Chaperones and Their Role in Neurodegenerative Diseases Schedule: 07.05. – 18.05.18 Number of participants: 6 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch), Building C81, room B2.16</p>

Special Aspects of Structural Biochemistry

LV-Nr.	1. Appointment	Beschreibung
216301 S	07.05.2018	Böttcher Structural Characterisation of Supramolecular Architectures by Electron Microscopical Techniques Schedule: 25.06. – 29.06.18 (09:00 – 18:00) Briefing (mandatory): 07.05.18 (10:00 s.t. – about 11:00) Number of participants: 4 Location: Forschungszentrum Elektronenmikroskopie, Fabeckstr. 36a, Room 205

Methods Modules of Molecular Biology

Course No.	1. Appointment	Description
216401 a, b S/P	07.05.2018	Freund, Alvaro-Benito Protein Engineering Schedule: 07.05 – 18.05.18 Number of participants: 6 Location: Thielallee 63, Freund group
216402 a, b S/P	06.08.2018	Fürste, Schröder Nucleic Acids (Synthesis, Ribozymes, invitro Selection) Schedule: 06.08. – 17.08.18 (09:00, all-day) Number of participants: 6 Location: Thielallee 63, Seminar room (Anbau) and Lab 005 / 006
216403 a, b S/P	18.06.2018	Weise, Schröder Protein Analysis and Microsequencing Schedule: 18.06. – 29.06.18 (10:00 – 17:00) Number of participants: 6 Location: Thielallee 63, Seminar Room (Anbau) and Lab 005 / 006
216404 a, b S/P	18.06.2018	Weise Bioanalytical Mass Spectrometry / Proteomic Analysis Schedule: 18.06. – 29.06.18 (09:00 – 17:00) Number of participants: 4 Location: Thielallee 63, SR321 and Lab 315
216405 a,b S/P	07.05.2018	Heyd Alternative Splicing and Protein–RNA Interaction Schedule: 07.05. – 18.05.18 (09:00, all-day) Number of participants: 6 Location: Takustr. 6, Heyd group (SR 121, P-R 001-002)
216421 a,b S/P	17.07.2018	Chekulaeva Ribosome Profiling Schedule: 16.07. - 27.07.18 (10:00, all-day) Number of participants: 6 Location: Max-Delbrück-Center for Molecular Medicine, Robert-Roessle-Str. 10, building 89, R2.14
16451 a, b S/P	03.09.2018	Kubick Membrane Protein Expression in Cell-free Systems Prerequisite: Attendance of V/S 216501 a,b in a prior semester. The course is offered on two independent dates. The places are drawn from two different boxes.
	Date 1	Schedule: 03.09. – 14.09.18 (all-day) Number of participants: 10
	Date 2	Schedule: 11.06. – 22.06.2018 (all-day) Number of participants: 2 Location: Fraunhofer Institut für Zelltherapie und Immunologie (IZI), Institutsteil Bioanalytik und Bioprozesse (IZI-BB) Potsdam-Golm, Am Mühlenberg 13, 14476 Potsdam, 2.WO24

Methods Modules of Molecular Biomedicine

LV-Nr.	1. Appointment	Description
216601 a, b S/P	28.05.2018	Knaus, Hiepen Cell Biology (advanced course): Signal Transduction Schedule: 28.05. – 08.06.18 (all-day including seminar, start: 09:00) Number of participants: 6 Location: Thielallee 63, Knaus group SR 205 and Lab 005
216611 a,b S/P	16.05.2018	Haucke, Krauß, Maritzen Membrane Traffic and Signaling / Intracellular Membrane Transport in Signal Transduction Schedule: Briefing 16.05.18 (18:00 – 19:00, room A2.16), Course 04.06.-15.06.18 (09:15 – 18:00) Number of participants: 6 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle-Str. 10, 13125 Berlin (Buch)
216612 a,b S/P	25.06.2018	Hackenberger Chemical Biology: Protein Synthesis, Labeling and Function Schedule: 25.06. – 06.07.18 (all-day including seminar, start: 09:00) Number of participants: 10 Location: Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle-Str. 10, 13125 Berlin (Buch)
216621 a, b S/P	18.06.2018	Stricker Analyzing Musculoskeletal Development in vivo Prerequisite: Attendance of V/S 216701 a,b in a prior semester Schedule: 18.06. – 29.06.18, all-day (seminar starts at 09:00; exact schedule will be communicated on first day) Number of participants: 4 Location: Thielallee 63, Stricker group, 1. OG left

Methods Modules from the Institute of Biology

LV-Nr.	Titel	Spots
23 402 a,b (V,S)	Verhaltensbiologie (Constance Scharff)	1
23 403 a,b,c (V,S,P)	Molekulare Mikrobiologie und Mikrobenphysiologie (Haike Antelmann)	2
23 404 a-d (V,S,P,U)	Molekulare und Chemische Ökologie von Pflanze - Tier Interaktionen (Gunnar Bröhan, Monika Hilker)	1
23 405 a-d (V,S,P,U)	Molecular Biology of Plants (Thomas Schmülling)	1
23 407 a,b (V,S)	Experimental Evolution and Synthetic Biology (Rupert Mutzel)	2
23 408 a-d (V,S,P,U)	Biochemie und Stressphysiologie der Pflanzen (Tina Romeis)	2
23 410 a-c (V,S,P)	Molekulare Neurogenetik (Stephan Sigrist, Astrid Petzold)	1
23 414 a-c (V,S,P)	Molekulare Physiologie der pflanzlichen Akklimatisation.. (Margarete Baier)	2
23 415 a-b (V,S) (5LP)	Pflanzen Biotechnologie und Gentechnik (Reinhard Kunze)	2

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	+			
216213 a,b	Functional Analysis of Molecular Chaperones and Their Role in Neurodegenerative Diseases	Kirstein	+	+	+	
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		+	+	
216601 a,b	Cell biology (advanced course): Signal Transduction	Knaus, Hiepen		+	+	
216612 a,b	Chemical Biology: Protein Synthesis, Labeling and Function	Hackenberger		+	+	
216611 a,b	Membrane Traffic and Signaling	Haucke, Krauß, Maritzen		+	+	
216621 a,b	Analyzing Musculoskeletal Development in vivo	Stricker		+	+	