Distribution of Methods Modules for the Summer Semester 2017

Last updated: 13. April 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.**

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):
Tuesday, 18.04.17 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		**Biomolecular X-ray crystallography** **Number of participants: 8**
	Part 1: 24.04.2017	**Part 1: Wahl, Loll** **Schedule:** 24.04. – 05.05. and 19.05. (Final Seminar) **Location:** Takustr. 6, 3. OG, Wahl group
	Part 2: 08.05.2017	**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:** 08.05. – 11.05., 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
	Part 3: 15.05.2017	**Part 3: Heinemann** **Schedule:** 15.05. – 18.05. **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)
	Abschl. Seminar: 19.05.2017	**Final seminar for 216201 a-c** **Schedule:** 19.05. (9:00-12:00) **Location:** Takustr. 6, SR 323 Wahl group
216202 a, b S/P	**13.06.2017**	**Ewers, Geertsema** **Quantitative Fluorescence Microscopy** **Prerequisite:** Attendance of 216202a S (9:15 – 10:20) **Schedule:** 19.06. – 30.06. (10:30 – 16:00) **Number of participants: 6** **Location:** Thielallee 63, Ewers group, Room 106A
216211 a, b S/P	**25.09.2017**	**Oschkinat** **Biological NMR Spectroscopy** **Prerequisite:** Attendance of 216211a S (9:00 – 10:00 Uhr) **Schedule:** 25.09. – 06.10. (10:00 – 17:00) **Number of participants: 8** **Location:** Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch)
216212 a, b S/P	**18.09.2017**	**Oschkinat** **Biophysical Methods** **Prerequisite:** Attendance of 216212a S (9:00 -10:00) **Schedule:** 18.09. – 29.09. (10:00 – 17:00) **Number of participants: 16** **Location:** Leibniz-Institut für Molekulare Pharmakologie (FMP), Robert-Rössle Str. 10, 13125 Berlin (Buch), House 81

Special Aspects of Structural Biochemistry

LV-Nr.	*1. Termin*	*Beschreibung*
216301 S	**08.05.2017**	**Böttcher** **Structural Characterisation of Supramolecular Architectures by Electron Microscopical Techniques** **Schedule:** 03.07. – 07.07. (9:00 – 18:00 Uhr)**, Briefing** (mandatory): 08.05., 10:00 – about 11:00 Uhr **Number of participants: 4** **Location:** Forschungszentrum Elektronenmikroskopie, Fabeckstr. 36a, Room 205

Methods Modules of Molecular Biology

Course No.	*1. Appointment*	*Description*
216213 **a/b** **S/P**	**19.06.2017**	**Kirstein** **Functional Analysis of Molecular Chaperones and Their Role in Neurodegenerative Diseases** **Schedule:** 19.6. - 30.6.(all-day) **Seminar:** Mon, Wed and Fri 9-11 Uhr **Number of participants: 6** **Location:** Leibniz Institut für Molekulare Pharmakologie (FMP) Campus Berlin-Buch, Robert-Rössle-Strasse 10, 13125 Berlin Gebäude C81, Room B2.16
216401 **a, b** **S/P**	**08.05.2017**	**Freund, Alvaro-Benito** **Protein Engineering** **Schedule:** 08.05. – 19.05. **Number of participants: 6** **Location:** Freund group, Thielallee 63
216402 **a, b** **S/P**	**07.08.2017**	**Fürste, Schröder** **Nucleic acids (Synthesis, Ribozymes, in vitro Selection)** **Schedule:** 07.08. – 18.08. (all-day) **Number of participants: 6** **Location:** Lab 005 and 007, Thielallee 63
216403 **a, b** **S/P**	**03.07.2017**	**Weise, Schröder** **Protein Analysis and Microsequencing** **Schedule:** 03.07. – 14.07., usually Mo – Fr 10:00 – 17:00 **Number of participants: 6** **Location:** Lab 005 and 006, Thielallee 63
216404 **a, b** **S/P**	**03.07.2017**	**Weise** **Bioanalytical Mass Spectrometry / Proteomic Analysis** **Schedule:** 03.07. – 14.07., 09:00 until about 17:00 **Number of participants: 4** **Location:** Thielallee 63, SR321 and K025/K027
216405 **a,b** **S/P**	**15.05.2017**	**Heyd** **Alternative Splicing and Protein-RNA Interaction** **Schedule:** 15.05. – 26.05. (all-day) **Number of participants: 6** **Location:** Takustr. 6, Heyd group
216451 **a, b** **S/P**	**04.09.2017**	**Kubick** **Membrane Protein Expression in Cell-Free Systems** **Prerequisite:** Attendance of V/S 216501 a, b in a prior semester **Schedule:**04.09. – 15.09. (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	**11.09.2017**	**Schlesinger** **Production and Biophysical Analysis of Selected Membrane Proteins (Part 1)** **Schedule:** 11.09 – 22.09. (all-day) **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. ***Only together with:***
216462 S	**25.09.2017**	**Heberle and staff** **Production and Biophysical Analysis of Selected Membrane Proteins (Part 2)** **Schedule:** 25.09. – 29.09. (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	**08.05.2017**	**Knaus, Hiepen** **Cell Biology (advanced course): Signal Transduction** **Schedule:** 08.05. – 19.05., all-day including seminar **Number of participants: 6** **Location:** Thielallee 63, SR 205 Knaus group and Lab 005
216611 a, b S/P	**07.06.2017**	**Haucke, Krauß, Maritzen** **Membrane Traffic and Signaling** **Schedule:** Vorb.: 07.06., 17:00 – 18:00 Uhr; Seminar: 21.06. – 23.06., 16:00 – 19:00 Uhr; FMP. Lab course: 26.06. – 07.07., 9:15 – 18:00, FMP **Number of participants: 6** **Location:** FMP, Robert-Rössle-Str. 10, 13125 Berlin (Buch)
216621 a, b S/P	**19.06.2017**	**Stricker** **Analyzing Musculoskeletal Development in vivo** **Schedule:** 19.06. – 30.06, probaly 09:00 –17:00 (Exact times will be communicated in the seminar) **Number of participants: 4** **Location:** Stricker group, Thielallee 63, 1. OG left

Methods Modules from the Institute of Biology

LV-Nr.	Titel	Spots
23 403 a,b,c (V,S,P) 15 LP	Molekulare Mikrobiologie und Mikrobenphysiologie (Eberhard Klauck, Malek Saleh, Haike Antelmann)	2
23 404a-c (V,S,P) 15 LP	Molekulare und Chemische Ökologie von Pflanze-Tier-Interaktionen (Gunnar Bröhan, Monika Hilker, Benjamin Fuchs)	1
23 405a-c (V,S,P) 10 LP	Molecular Biology of Plants (Jan Leuendorf, Thomas Schmülling)	1
23 407a,b (V,S) 5 LP	Experimental Evolution and Synthetic Biology (Rupert Mutzel), **no methods module!**	2
23 408a-d, (V,S,P,Ü) 15 LP	Biochemie und Stressphysiologie der Pflanzen (Anja Liese, Tina Romeis, Lennart Wirthmüller)	2
23 410a-c (V,S,P) 20 LP	Molekulare Neurogenetik (Stephan Sigrist, Astrid Petzoldt)	1
23 411a,b (S,P) 15 LP	Verhaltensbiologie (Constance Scharff u. Mitarbeiter)	1

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, Geertsema	+	+		
216211 a,b	Biological NMR spectroscopy	Oschkinat	+			
216212 a,b	Biophysical methods	Oschkinat	+			
216301a,b	Structural characterisation…by electron microscopical techniques	Böttcher	+			
216213 a,b	Functional analysis of molecular chaperones…	Kirstein	+	+	+	
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	+	+		
216601 a,b	Cell biology (advanced course): Signal transduction	Knaus, Hiepen		+	+	
216613 a,b	Membrane traffic and signaling	Haucke, Krauß, Maritzen		+	+	
216621 a,b	Analyzing musculoskeletal development in vivo	Stricker		+	+	
23403 a-c	Molekulare Mikrobiologie und Mikrobenphysiologie	Klauck, Saleh, Antelmann		+		+
23404 a-c	Molekulare und Chemische Ökologie von Pflanze-Tier-Interaktionen	Bröhan, Hilker, Fuchs		+		+
23405 a-c	Molecular biology of plants	Leuendorf, Schmülling		+		+
23407 a,b	Experimental evolution and synthetic biology	Mutzel		+		+
23408 a-d	Biochemie und Stressphysiologie der Pflanzen	Liese, Romeis, Wirthmüller		+		+
23410 a-c	Molekulare Neurogenetik	Sigrist, Petzoldt		+		+
23411 a,b	Verhaltensbiologie	Scharff u. Mitarbeiter				+