

GGNB: Short Methods Courses & Method Seminars; Extended Methods Courses Mar - Sep 2016 (A)

* course will also be offered in the next course announcement October 2016 - March 2017)

Department/Group	Supervisor(s)	UniVZ	ID	*	Title of Course	Credits	Date A
Biochemistry							
Jahn, Reinhard	Kühnel, Karin / Metje, Janina	340004	A 036		Protein purification and characterization	1.0	3-4 Mar 2016
Schmitt, Hans Dieter	Beckmann, Sabine	340015	A 034	*	BiFC (bimolecular fluorescence complementation) in yeast	1.0	<i>tba</i> (May 2016)
Tittmann, Kai	Sautner, Viktor / v. Pappenheim, Fabian R. / Brodhun, Florian	340018	A 064	*	Principles and methods of protein purification by chromatography	1.0	9-10 Mar 2016
Feußner, Ivo	Herrfurth, Cornelia	340045	A 016	*	Introduction to lipid analysis	1.0	<i>tba</i> (Sep 2016)
Jahn, Reinhard	Jakhanwal, Shrutee / Witkowska, Agata	340046	A 033		Reconstitution of neuronal exocytosis in a liposome fusion assay	1.0	14-15 Apr 2016
Tittmann, Kai	Tietzel, Michael / Kupsi, Oliver / Sabin Prajapati	340077	A 071	*	Thermodynamic characterization of biomolecular interactions by isothermal titration calorimetry	1.0	10-11 Mar 2016
Jahn, Reinhard	Halder, Partho/ Perez Lara, Angel	340171	A 146		Reconstitution of membrane fusion by proteoliposomes	1.0	3-4 Mar 2016
Urlaub, Henning	Chernev, Aleksandar / Karaca, Samir / Qamar, Saadia / Mandad, Sunit / Sharma, Kundan	340201	A 177	*	Sequence analysis of proteins and their post-translational modifications by electrospray ionization (ESI) mass spectrometry	1.0	29 Feb-2 Mar 2016
Kawabe, Hiroshi	Ambrozkiwicz, Mateusz	340205	A 179		<i>In vivo</i> gene induction in cortical neurons by <i>in utero</i> electroporation	0.5	20 <u>or</u> 22 Sep 2016
Rehling, Peter	Levchenko, Maria / Lorenzi, Isotta	340211	A 163	*	Native membrane protein complex isolation	0.5	14 Apr 2016
Rehling, Peter	Schendzielorz, Alexander / Naumenko, Nataliia	340212	A 164		<i>In vitro</i> import into purified mitochondria	1.0	7-8 Mar 2016
Konrad, Manfred	Nazim Uddin	340222	A 151	*	Introduction to steady-state kinetics	1.0	<i>tba</i> (May 2016)

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Molecular Biology & Genetics							
Gruber, Jens	Gruber, Jens	340022	A 068	*	Mechanisms of RNA silencing	1.0	26-27 May 2016
Fischer, André	Urbanke, Hendrik / Halder, Rashi / Irniger, Stefan	340218	A 084	*	Chromatin-immunoprecipitation and epigenomic gene-profiling in the adult brain	1.0	<i>tba</i>
Jakobs, Stefan	Jensen, Nickels	340226	A 173	*	Strategies to design photoswitchable fluorescent proteins and their application in nanoscopy	1.0	12-13 Apr 2016
Hörandl, Elvira	Hojsgaard, Diego	340245	A 195		AFLP Fingerprinting techniques in plant biology	1.0	22-24 Mar 2016
Hörandl, Elvira	Hojsgaard, Diego	340244	A 194		Plant molecular markers overview	1.0	22-24 Mar 2016
Pöhlmann, Stefan	Pöhlmann, Stefan	350031	A159		Emerging viral infections	0.5	Thursdays
Pöhlmann, Stefan	Pöhlmann, Stefan	350032	A160		Molecular Biology of HIV replication and pathogenesis	1.0	Wednesdays
Cell Biology & Microbiology, Imaging							
Nave, Klaus-Armin	Möbius, Wiebke	230222	A 044	*	Subcellular localization of proteins by immunoelectron microscopy of cryosections	1.0	23-24 May 2016
Großhans, Jörg	Kong, Deqing	340163	A 124		Live imaging and laser ablation	1.0	15-16 Aug 2016
Frahm, Jens	Merrem, Andreas	340210	A 162		Basic principles of MRI and Real-Time MRI	1.0	31 May-1 Jun 2016
Pöhlmann, Stefan	Winkler, Michael / Hofmann-Winkler, Heike / Gnirß, Kerstin	340221	A 171	*	Viral transduction systems	1.0	19-21 Apr 2016
Developmental Biology, Anatomy & Histology							
Eichele, Gregor	Joshi, Parth / Teller, Christina	340029	A 013	*	Mouse histology & <i>in situ</i> expression analyses	1.0	29-20 Mar 2016
Stadelmann-Nessler, Christine	Schulz, Katja	340033	A 060	*	Non-radioactive <i>in situ</i> hybridization	1.0	7-9 Mar 2016
Bucher, Gregor	Bucher, Gregor	340083	A 145	*	Orthologs and Paralogs – how they evolve and how to distinguish them	0.5	11 Mar 2016
Shcherbata, Halyna	Shcherbata, Halyna	340085	A 056	*	Introduction to basic histology techniques	1.0	19-20 Apr 2016
Dobbelstein, Matthias	Lizé, Muriel	340220	A 181		Mouse preparation with emphasis on the respiratory tract	1.0	12 Apr 2016

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Vertebrate Animal Models							
Steinbrecher, Julia	Steinbrecher, Julia	340036	A 101	*	Introduction to laboratory animal science: theoretical part (REGISTRATION ONLY VIA E-MAIL TO: sekretariat.zte@med.uni-goettingen.de)	1.5	29 Feb-4 Mar 2016
Bayer, Thomas A.	Wirhns, Oliver	340199	A 175	*	Neurodegenerative Diseases: Behavioral and neuropathological analysis of transgenic mouse models	1.0	<i>tba</i> (Sep 2016)
Bähr, Mathias	Lingor, Paul	340219	A 139	*	<i>In vitro</i> and <i>in vivo</i> models for Parkinson's disease research	0.5	5 Apr 2016
Molecular & Cellular Neuroscience, Electrophysiology							
Brose, Nils	Krüger, Dilja	340236	A 153	*	Isolation of synaptic compartments for quantitative biochemical analysis	1.0	17-18 Mar 2016
Rhee, JeongSeop	Rhee, JeongSeop	340038	A 096	*	Nerve cell culture and patch-clamp recordings from nerve cells	1.0	15-16 Sep 2016
Rizzoli, Silvio	Seitz, Katharina / Zhang, William / Maidorn, Manuel	340039	A 089		High resolution microscopy and physiology in synapses	1.0	3-4 Mar 2016
Stühmer, Walter	Pardo, Luis	340040	A 063	*	Patch clamp	0.5	8-10 Jun 2016
Fiala, André / Göpfert, Martin	Riemensperger, Thomas / Geurten, Bart	340087	A 083	*	<i>Drosophila</i> Neurogenetics	1.0	4-6 Apr 2016
Gollisch, Tim	Kühn, Norma / Schreyer, Helene / Khani, Mohammad	340185	A 140		Multielectrode Array Recordings from the Retina	1.0	9-11 May 2016
Strenzke, Nicola	Gulnara Yamanbaeva	340239	A193		Single Neuron Recordings from Mouse Auditory Nerve	0.5	15 Apr 2016
Theoretical, Systems & Behavioral Neuroscience							
Gail, Alexander	Glaser, Beatrix	340043	A 073		Introduction to Matlab in Systems Neuroscience	1.0	Wed: 13 Apr-25 May 2016 (lectures); Fri: 15 Apr-20 May 2016 (tutorials)
Antal, Andrea	Strenzke, Nicola / Hoch, Gerhard	340054	A 041		Auditory and visual evoked potentials	1.0	12 + 14 Apr 2016
Ehrenreich, Hannelore	Begemann, Martin / Bartels, Claudia	340137	A 012		Translational Neuroscience: Schizophrenia	2.0	10-12 Jun 2016
Treue, Stefan / Gail, Alexander	Treue, Stefan / Gail, Alexander / Quigley, Clíodhna	340231	A 168		Visual psychophysics - From theory to experiment	1.0	Wed: 1 Jun-13 Jul 2016, Fri: 3 Jun-8 Jul 2016
Geisel, Theo / Timme, Marc / Wolf, Fred	Geisel, Theo / Timme, Marc / Wolf, Fred	350036	A 022		Theoretical and Computational Neuroscience: Collective Dynamics Biological Neural Networks II	2.0	Fridays

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Structural Biology							
Bennati, Marina	Liu, Guoquan / Kasanmascheff, Müge	340055	A 003	*	EPR-Spectroscopy	1.5	16-18 Mar 2016
Pena, Vlad	Ponce Salvatierra, Almudena / Cretu, Constantin / Kibedi, Csaba	340059	A 102	*	Crystallization of biological macromolecules	1.0	7-8 Mar 2016
Stark, Holger	Niels Fischer	340060	A 061	*	3D structure determination of macromolecular complexes by single particle cryo-EM	1.0	<i>tba</i>
Ficner, Ralf	Neumann, Piotr	340130	A 103		X-ray crystallography	2.5	25-29 Apr 2016
Biophysics, Bioinformatics and Statistics							
Friede, Tim	Röver, Christian	340061	A 100	*	Basic statistics for graduate students in the life sciences	1.0	29 Mar-1 Apr 2016
Mitkovski, Mišo	Mitkovski, Mišo / Alexopoulos, Ioannis	340066	A 098	*	Introduction to image processing in biology with ImageJ	1.0	14-15 Apr 2016
Steinem, Claudia	Gleisner, Martin / Mey, Ingo	340067	A 133	*	Using biosensors to study analyte-ligand interactions: basic principles and applications	0.5	10 Mar 2016
Burg, Thomas P.	Burg, Thomas P.	340135	A 121	*	Micropatterning and Microfluidics	1.0	19-20 Jul 2016
Grubmüller, Helmut / Schmidt, Christoph F.	Grubmüller, Helmut / Schmidt, Christoph F.	340166	A 025	*	Current Topics in Biophysics – Lecture Series	1.0	Fridays
Manik, Debsankha	Stollmeier, Frank / Noriega, Florencia / Schlemmer, Alexander	340156	A 123		Python programming introductory course	2.0	16-22 Mar 2016
Beißbarth, Tim	Perera, Julia	440727	A 176	*	Introduction to R and RNA-Seq analysis	1.0	6-8 Apr 2016
Steinem, Claudia / Janshoff, Andreas	Mey, Ingo / Henrik Neubacher	340203	A 169	*	Atomic Force Microscopy vs. Scanning Ion Conductance Microscopy; versatile tools to study surfaces and surface properties	1.0	16-17 Jun 2016
Grubmüller, Helmut / de Groot, Bert / Hub, Jochen	Grubmüller, Helmut / de Groot, Bert / Hub, Jochen	340204	A 170		Biomolecular Physics and Simulations	1.5	Mondays

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Biophysics, Bioinformatics and Statistics (continued)							
Timme, Marc	Lasser, Jana / Manik, Debsankha	340228	A 174		Introduction to Interactive Network Analysis and Visualization with Python	0.5	19-20 Apr 2016
Extended Methods Courses							
Tittmann, Kai	Urlaub, Henning	340238	E 002		Bioanalytics	4.0	<i>tba</i> (Sep 2016)
Stühmer, Walter / Hörner, Michael / Schlüter, Oliver	Stühmer, Walter / Hörner, Michael / Schlüter, Oliver	340095	E 03		ENI Electrophysiology Training (ENI-ELECTRAIN)	4.0	9-20 May 2016