

GGNB: Short Methods Courses & Method Seminars; Extended Methods Courses

Program April - September 2020 (summer semester 2020)

- Registration possible two months before the course month -

Laboratory Animal Science:

Courses are offered by the UMG. To register, please contact Dr. Monique Silter (monique.silter@med.uni-goettingen.de). The fees for the course have to be covered by the department of the participant.

Theoretical part: online course. The passing of a written exam is prerequisite for participation in the practical part.

Practical part (Modules 1-6):

10-14 Feb 2020 21-25 Sep 2020

23-27 Mar 2020 23-27 Nov 2020

22-26 Jun 2020

By signing up you agree (1) to frequently check your student e-mail account, as all information on courses will exclusively be sent to that account; (2) that your name and e-mail address may be forwarded to the course instructor(s) for communication before and after the course.

Department/Group	Supervisor(s)	UniVZ	ID	Title of Course	Credits	Status	Date
Biochemistry							
Feußner, Ivo	Feußner, Kirstin	340456	A 259	Introduction in non-targeted metabolomics	1.5	CANCELLED	4-6 May 2020
Jahn, Reinhard	Angel Perez-Lara, Sonja Pribicevic	340255	A 210	Study of membrane binding proteins involved in exocytosis	1.0	CANCELLED	6-7 May 2020
Katschinski, Dörthe	Maithily Nanadikar	340340	A 234	Using biosensors to study cellular redox processes	0.5	CANCELLED	27 Aug 2020
Rehling, Peter	Magnus Hartmann	340074	A 053	Blue-native PAGE analysis of membrane protein complexes	1.0	CANCELLED	4-5 Jun 2020
Rehling, Peter	Bettina Homberg, Sabine Poerschke	340211	A 163	Native membrane protein complex isolation	0.5	CANCELLED	20 Apr 2020
Rehling, Peter	Ridhima Gomkale, Roya Yousefi	340212	A 164	<i>In vitro</i> import into purified mitochondria	1.0	CANCELLED	14-15 May 2020
Tittmann, Kai	Nora Eulig, Fabian Rabe v. Pappenheim	340018	A 064	Principles and methods of protein purification by chromatography	1.0	CANCELLED	6-7 Apr 2020
Tittmann, Kai	Sabin Prajapati	340077	A 071	Thermodynamic characterization of biomolecular interactions by isothermal titration calorimetry	1.0	CANCELLED	23-24 Apr 2020
Molecular Biology & Genetics							
Cramer, Patrick	-	340316	A 214	Lecture Series "Genome Science"	0.5	ONLINE	Fridays
Jakobs, Stefan	Daniel Jans	340459	A 260	STED nanoscopy and immunolabeling	1.0	CANCELLED	12-13 May 2020

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Cell Biology & Microbiology, Imaging							
Mitkovski, Mišo	Mišo Mitkovski	340066	A 098	Introduction to image processing in biology with ImageJ and FIJI	1.5	ONLINE	13-15 May 2020
Pöhlmann, Stefan	Pöhlmann, Stefan	350052	A 160	Molecular Biology of HIV replication and pathogenesis	1.0	ONLINE	Thursdays
Pöhlmann, Stefan	Michael Winkler, Markus Hoffmann, Heike Hofmann-Winkler	340221	A 171	Viral transduction systems	1.5	CANCELLED	12-14 May 2020
Roos, Christian	Angela Noll	340322	A 221	NGS-based identification of gastrointestinal parasites	1.0	CANCELLED	11-12 May 2020
Roos, Christian	Angela Noll	340323	A 222	Assessing biodiversity: Investigating the blood meal of leeches	1.0	CANCELLED	25-26 May 2020
Roos, Christian	Angela Noll	340324	A 223	NGS-based identification of the gut microbiome	1.0	CANCELLED	13-14 May 2020
Zimmermann, Wolfram-Hubertus	Norman Liaw / Jutta Creydt	340342	A 236	Construction and Phenotyping of Engineered Heart Muscle	1.5	CANCELLED	1-3 Apr 2020
Richter-Dennerlein, Ricarda	Elisa Hanitsch, Franziska Nadler	340415	A 246	Investigating macromolecular complexes by density gradient centrifugation	1.0	CANCELLED	2-3 Apr 2020
Enderlein, Jörg, Tsukanov, Roman	Nazar Oleksievets	340406	A 244	Super-resolution microscopy with DNA-PAINT	1.0	ONLINE	7-8 July 2020
Enderlein, Jörg, Tsukanov, Roman	Nazar Oleksievets	340448	A244_1	Super-resolution microscopy with DNA-PAINT	1.0	ONLINE	18-19 Aug 2020
Enderlein, Jörg	Jang Hongje	340454	A 255	Sample preparation and image analysis for 3D fluorescence microscopy of living cells	1.0	CANCELLED	12-13 May 2020
Lorenz, Verena / Andrea Braun	Verena Lorenz	340470	A 240_1	Immunohistochemical and immunofluorescence analyses of the skin and skin-derived cells	1.0	CANCELLED	16-17 Jun 2020
Enderlein, Jörg	Akshita Sharma, Jan Christoph Thiele, Aditya Katti	340484	A 269	Basics of fluorescence microscopy and spectroscopy in biophysics	1.0	CANCELLED	May 2020 (tba)
Developmental Biology, Anatomy & Histology							
Uhmann, Anja	Uhmann, Anja, Nadine Brandes	340449	A 257	Immunomagnetic cell separation and immunocytochemistry staining of in vitro cultured mesenchymal stem cells	1.0	CANCELLED	18-19 Jun 2020
Wilting, Jörg	Ch. Zelent	340341	A 235	Transmission electron microscopy	3.0	CANCELLED	4-8 May 2020

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Vertebrate Animal Models							
Wirths, Oliver	-	340199	A 175	Neurodegenerative Diseases: Behavioral and neuropathological analysis of transgenic mouse models	1.0	CANCELLED	Jun 2020 (tba)
Molecular & Cellular Neuroscience, Electrophysiology							
Fiala, André	Annekathrin Widmann	340319	A 216	Neuronal circuit dissection in Drosophila	1.5	CANCELLED	3-5 Jun 2020
Gärtner, Jutta	Susann Diegmann, Kolja Meier	340456	A 233	Next Generation Sequencing to identify the disease gene in unclear neurogenetic disorders	1.0	CANCELLED	Sept 2020 (tba)
Nave, Klaus-Armin	Möbius, Wiebke	340328	A 228	A practical introduction into electron microscopy	1.0	CANCELLED	11-12 May 2020
Pardo, Luis	Walter Stühmer	340040	A 063	Patch clamp	1.5	CANCELLED	3-5 June 2020
Rhee, Jeong Seop	-	340038	A 096	Nerve cell culture and patch-clamp recordings from nerve cells	1.0	CANCELLED	16-17 Apr 2020
Theoretical, Systems & Behavioral Neuroscience							
Antal, Andrea	Strenzke, Nicola / Hoch, Gerhard	340054	A 041	Auditory and visual evoked potentials	1.0	CANCELLED	7-8 May 2020
Wolf, Fred/ Priesemann, Viola	Wolf, Fred/ Priesemann, Viola	350036	A 022	Theoretical and Computational Neuroscience: Collective Dynamics of Biological Neural Networks II	2.0	ONLINE	Fridays, 8 May - registration via christina.vonbehren@uni-goettingen.de
Gail, Alexander	Matthis Drolet	340043	A 073	Introduction to Matlab in Systems Neuroscience	1.0	CANCELLED	Apr-May 2020
Vakhrushev, Roman	Vakhrushev, Roman / Manenti, Giorgio	340476	A 264	Designing psychophysical experiment	1.0	ONLINE	15-16 Jun 2020
Structural Biology							
Bennati, Marina	Tomas Orlando, Igor Tkach	340055	A 003	EPR-Spectroscopy	1.5	CANCELLED	22-24 Apr 2020
Ficner, Ralf	Neumann, Piotr	340130	A 103	X-ray crystallography	2.5	CANCELLED	20-24 Apr 2020

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Biophysics, Bioinformatics and Statistics							
Beißbarth, Tim	Hryhorii Chereda, Manasa Kalya Purushothama	440727	A 176	Introduction to R and RNA-Seq analysis	1.5	CANCELLED	7-9 Apr 2020
Friede, Tim	Röver, Christian	340061	A 100	Basic statistics for graduate students in the life sciences - an introduction using R	1.0	CANCELLED	15. Apr-6. May 2020
Grubmüller, Helmut / de Groot, Bert	Grubmüller, Helmut / de Groot, Bert	340204	A 170	Biomolecular Physics and Simulations	2.0	ONLINE	Mondays
Grubmüller, Helmut / Enderlein, Jörg	Grubmüller, Helmut / Enderlein, Jörg	340166	A 025	Current Topics in Biophysics – Lecture Series	1.0	ONLINE	Fridays, 8 May -
Hörandl, Elvira	Appelhans, Marc /Claudia Pätzold	340247	A 188	Introduction into the bioinformatic analysis of next generation sequence data	1.5	CANCELLED	8-10 Sept 2020
Hörandl, Elvira	Appelhans, Marc /Claudia Pätzold	340300	A 190	Reduced-representation NGS methods in phylogenomics and biogeography: RADseq & RNAseq	1.5	CANCELLED	14-16 Sept 2020
Söding, Johannes	Roth, Christian/ Florian Jochheim	340327	A 227	Writing good scientific code	1.0	ONLINE	15-16 Jun 2020
Steinem, Claudia	Dominik Ruppelt, Merve Sari, Ingo Mey	340067	A 133	Using biosensors to study analyte-ligand interactions: basic principles and applications	0.5	CANCELLED	8 May 2020
Steinem, Claudia	Andreas Janshoff / Ingo Mey	340235	A 169	Atomic Force Microscopy versatile tools to study surfaces and surface properties	0.5	CANCELLED	18 Sept 2020
Gollisch, Tim	Dimokratis Karamanlis, Yunus Can Erol, Juan Diego Prieto Ramirez, Sören Zapp	340455	A 258	Introduction to neural data analysis with Python	1.5	CANCELLED	11-13 May 2020
Stephens, Dwayne	Robert Mettin	340439	A 251	Introduction to COMSOL	1.0	CANCELLED	14-15 Apr 2020
Maaß, Corinna / Karpitschka, Stefan	Hansol Jeon, Oliver Bäumchen, Rodrigo Esteban Catalan	340013	A 253	Microfabrication techniques for Microfluidics	1.0	CANCELLED	20-21 Apr 2020
Maaß, Corinna / Karpitschka, Stefan	Hansol Jeon, Antaran Kumar Deka	340014	A 254	Flow measurement techniques in microfluidics	1.0	CANCELLED	17-18 Aug 2020
Nietert, Manuel	-	340317	A 215_1	An introduction to reproducible handling of scientific data and concordant analysis using KNIME workflows	0.5	ONLINE	3-4 Sept 2020
Nietert, Manuel	-	340389	A 215_2	An introduction to reproducible handling of scientific data and concordant analysis using KNIME workflows	0.5	CANCELLED	14-17 Apr 2020
Liepe, Juliane	Sarah Henze, Florian Jochheim	340479	A 266	Introduction to data science with Python	1.5	CANCELLED	6-8 May 2020
Liepe, Juliane	Yehor Horokhovskiy, Debdas Paul	340480	A 267	Introduction to machine learning - Theory, algorithms and implementation	1.5	CANCELLED	22-24 Sep 2020
Liepe, Juliane	Sarah Henze, Debdas Paul	340482	A 268	Introduction to mechanistic modeling in systems biology	1.0	ONLINE	16-17 Sept 2020
Extended Methods Courses							
Milosevic, Ira / Carter, Brett	-	340095	E 003	ENI Electrophysiology Training (ENI-ELECTRAIN)	4.0	CANCELLED	4-15 May 2020