

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

Program April - September 2026 (summer semester 2026)

- Registration possible two months before the course month -

[Link to EXA](#)

IMPORTANT:

1) Check the detailed course descriptions in UniVZ or Stud.IP before signing up as some courses require pre-work / follow-up work or have an unusual duration! 2) Participation is binding. Cancellation is only possible via the GGNB Office (NOT via contacting the trainer directly) with a) sick certificate, or b) statement by supervisor for science reasons. If you do not provide this, you will be excluded from courses for the next 12 months, as well as travel grants and other financial support. No exceptions.

By signing up you agree (1) to carefully check in advance whether you will be able to attend the course (e.g. do not register for 2 courses taking place on the same dates - the above mentioned sanctions apply!), (2) to frequently check your student e-mail account, as all information on courses will exclusively be sent to that account; (3) that your name and e-mail address may be forwarded to the course instructor(s) for communication before and after the course; (4) to complete the course evaluation; (5) inform us if you no longer wish to maintain a waiting list position; (6) that you only receive credits for attending the entire workshop - you will not get partial credits for part-time attendance.

Department/Group	Supervisor(s)	EXA ID	ID	Title of Course	Credits	Status	Date
Molecular Biology & Genetics							
Pöhlmann, Stefan	-	350058	A 160	Molecular Biology of HIV replication and pathogenesis	1.0	Presence	weekly, every Thursday, 23 Apr - 23 Jul 2026
Pöhlmann, Stefan	Michael Winkler, Markus Hoffmann	340221	A 171	Viral transduction systems	1.5	Presence	5-7 May 2026
Beißbarth, Tim	Martin Bernaus, Nicole Seifert	440727	A 176	Introduction to R and RNA-Seq analysis	1.5	Presence	14-16 Apr 2026
de Vries, Jan	Armin Dadras, Jaccoline Zegers, Sophie de Vries	340462	A 262	Gene Family Analysis	1.0	ONLINE	18-19 Jun 2026
Hörandl, Elvira	Antje Menster	340037	A 304	Evolutionary Genomics of Biodiverse Reproductive Systems	1.0	Presence	24 Apr - 3 Jul 2026
de Vries, Sophie		340082	A 309	Population Genomics	1.0	ONLINE	24 - 25 Sep 2026
Hörandl, Elvira	Andrew O'Donnell	340083	A 310	Bioinformatic analysis of loci under selection	1.0	Presence	mid Oct 2026, tba
Cell Biology & Microbiology, Imaging							
Mitkovski, Mišo	-	340066	A 098	Introduction to image processing in biology with ImageJ and FIJI	1.5	ONLINE	22-24 Apr 2026- 5, 7 and 8 May 2026
Richter-Dennerlein, Ricarda	Olga Beine-Golovchuk	340415	A 246	Investigating macromolecular complexes by density gradient centrifugation	1.0	Presence	15-16 Apr 2026
Möbius, Wiebke	-	340328	A 228	A practical introduction into electron microscopy	1.0	Presence	22-23 Apr 2026
Jakobs, Stefan	Daniel Jans	340459	A 260	STED nanoscopy and immunolabeling	1.0	Presence	14-15 Apr 2026
Roos, Christian	Liye Zhang	340322	A 291	Tracing demographic histories from NGS data	1.0	Presence	4-5 May 2026
Roos, Christian	Liye Zhang	340323	A 292	Tracing selective sweeps in NGS data	1.0	Presence	18-19 May 2026 01-02 Jun 2026
Steinem, Claudia	Heike Conrad	340496	A 276	Hertha Spöner College lecture series	0.5	Presence	monthly, every 2nd Wednesday of a month, registration via heike.conrad@med.uni-goettingen.de

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Cell Biology & Microbiology, Imaging							
Bouter, Yvonne	-	340022	A 301	Translational Imaging in Neurodegenerative Diseases: From Animal Models to Clinical Practice	1.0	Presence	week of 22-26 Jun 2026, exact date <i>tba</i>
Gregor, Carola	Leonie Tomm	340046	A 305	HSC Course Bioluminescence Imaging	1.0	Presence	28-29 May 2026
Biochemistry							
Tittmann, Kai	Fabian Rabe v. Pappenheim	340018	A 064	Principles and methods of protein purification by chromatography	1.0	Presence	4-5 May 2026
Rehling, Peter	Suman Mhatre, Paula Meth	230211	A 163	Native membrane protein complex isolation	0.5	Presence	7 May 2026
Rehling, Peter	Mats Koschel, Mehmet Yilmaz	340212	A 164	<i>In vitro</i> import into purified mitochondria	1.0	Presence	5-6 May 2026
Molecular & Cellular Neuroscience, Electrophysiology							
Pardo, Luis	Andrea Alcaraz	340040	A 063	Patch clamp	1.5	Presence	29 May 2026
Rhee, Jeong Seop	-	340038	A 096	Nerve cell culture and patch-clamp recordings from nerve cells	1.0	Presence	7 Apr 2026
Wichmann, Carola	Modgekar, Ruchi	340196	A 149	Basic methods of transmission electron microscopy - from tissue preparation to 3D reconstruction	1.0	Presence	22-23 Jun 2026
Fiala, André	Ismael Fernández Hernández	340319	Br	Neuronal circuit dissection in <i>Drosophila</i>	1.5	CANCELLED	8-10 Apr 2026
Gärtner, Jutta	Susann Diegmann, Kolja Meier	340456	A 233	Next Generation Sequencing to identify the disease gene in unclear neurogenetic disorders	1.0	Presence	<i>tba</i>
Theoretical, Systems & Behavioral Neuroscience							
Wolf, Fred	Priesemann, Viola	350036	A 022	Theoretical and Computational Neuroscience: Collective Dynamics of Biological Neural Networks II	1.0	Presence	Fridays, starting from 17 Apr 2026; Thursdays, starting from 23 Apr 2026
Antal, Andrea	Strenzke, Nicola / Hoch, Gerhard	340054	A 041	Auditory and visual evoked potentials	1.0	Presence	24-25 Sep 2026
Gail, Alexander	-	340043	A 073	Introduction to Matlab in Systems Neuroscience	1.0	CANCELLED	22 Apr - 3 Jun 2026
Treue, Stefan / Gail, Alexander	Treue, Stefan / Gail, Alexander / Cliodhna Quigley, Schöberl, Tobias	340231	A 168	Visual psychophysics - From theory to experiment	1.0	CANCELLED	12 Jun -27 Jul 2026
Structural Biology							
Bennati, Marina	Luming Yang, Yu Rao	340055	A 003	EPR-Spectroscopy	1.5	Presence	6-8 May 2026
Hillen, Hauke	-	340500	A 281	Characterization and quantification of biomolecular int	0.5	Presence	27 Apr 2026

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Biophysics, Bioinformatics and Statistics							
Grubmüller, Helmut / de Groot, Bert	Berendes, Ole	340387	A 024	Introduction to Molecular Dynamic Simulations	1.0	Presence	tba, start Jul/Aug 2026
de Groot, Bert/ Wörgötter Florentin	-	340166	A 025	Current Topics in Biophysics and Complex Systems – Lecture Series	1.0	Presence	Mondays, starting from 13 Apr 2026
Friede, Tim	Röver, Christian	340061	A 100	Basic statistics for graduate students in the life sciences - an introduction using R	1.0	Presence	14 Apr - 5 May 2026
Steinem, Claudia	Klaas Kock, Matthias Peters	340067	A 133	Using biosensors to study analyte-ligand interactions: basic principles and applications	0.5	Presence	7 May 2026
Janshoff, Andreas	Vanessa Theuer, Tabea Oswald	340235	A 169	Atomic Force Microscopy versatile tools to study surfaces and surface properties	0.5	Presence	4 Sep 2026
Grubmüller, Helmut / de Groot, Bert	-	340204	A 170	Biomolecular Physics and Simulations	2.0	Presence	Mondays, starting from 13 Apr 2026
Gollisch, Tim	Shashwat Sridhar, Robert Mihai Haret	340455	A 258	Introduction to neural data analysis with Python	1.5	Presence	27-29 Apr 2026
Jeschke, Marcus	-	340464	A 265	Build your own experiments with Arduinos	1.5	Presence	22-24 Apr 2026
Mundry, Roger	Christian Schloegl	340497	A 277	Linear models and their application in R	4.5	Presence	21 Sep - 9 Oct 2026, registration via weblink pls (will follow in May)
Rismondo, Jeanine	-	340542	A 290	Working with Geneious - from cloning to sequence data analysis	1.0	ONLINE	8-9 Jul 2026
Wibral, Michael	Richard Gao	-	A 307	How to learn from complex data II: simulation-based inference in Physics and Life Sciences	0.5	Presence	tba
Vertebrate Animal Models							
Wirhth, Oliver	-	340199	A 175	Neurodegenerative Diseases: Molecular pathology of Alzheimer's disease and relevant transgenic mouse models	1.0	Presence	Sep 2026, tba
Bouter, Yvonne	-	340021	A 300	Animal models of Alzheimer's Disease	1.0	Presence	week of 24-28 Aug 2026, exact date tba
Developmental Biology, Anatomy and Histology							
Lorenz, Verena / Braun, Andrea	-	340074	A 308	Histological techniques to study skin architecture and cutaneous diseases	1.0	CANCELLED	7-8 May 2026
Python courses							
The university offers various courses on Python that PhD students may join:							
Wieder, Philip	-	502662	/	Einführung in Python für Data Scientists		Presence	Summer semester
Nobach, Holger	-	536420	/	Programmieren in Python		Presence	Summer semester
Geil, Burkhard	-	570940	/	Computergestützte Datenanalyse		Presence	Summer semester
Gipp, Béla	Lima Ruas, Terry	503496	/	Programming for Data Scientists: Python		Presence	Winter semester
Martin Suhm	Ricardo da Mata, Nils Lüttschwager	571370	/	Vorlesung mit Übung: Methodenkurs (e.g. Programmieren, Elektronik, technisches Zeichnen)		Presence	Winter semester