Calendar of practical master´s courses in winter semester 2022/23 (offered for students of the master´s programs EES, MCB, MHB and PLS)

Week	Dates	Cell/Genetics/Human Biology/Microbiology	Cell/Genetics/Human Biology/Microbiology	Genetics	Genetics	Genetics	Microbiology	Human Biology	Human Biology	Cell Biology (red)	Plant Sciences / Cell Biology (green)	Plant Sciences / Cell Biology (green)	Human Genomics	Evolutionary Biology	Evolutionary Biology	Zoology	Zoology	Ecology	Cellular and Organismic Networks	Systematics, Biodiversity & Evolution of Plants	Systematics, Biodiversity & Evolution of Plants	Faculty of Medicine	Human Biology Exclusively for MHB students	Human Biology Exclusively for MHB students	Neurosciences Exclusively for MHB students
40.	3.10.-9.10.																								
41.	10.10-16.10																								
42.	17.10.-23.10.		18.10. - 21.10. Computational Biology Becker, Hann, Heilmann, Parniske both groups		21.10. - 10.2. Small RNAs in Plant Microbe Interactions Weiberg, Ladeiev (seminar on Fridays, 8:00-10:00h)											17.10. - 4.11. Arthropods Meiser, Haug, Haug (in German)						18.10-18.11 Advanced Analysis of Neurophysiological Time Series Ent, Heil, Taylor			
43.	24.10.-30.10.	25.10. - 11.11. Lab methods in MCB, MHB, PLS Meilinger, Mikelladze-Dvali, Hann, Gasperotti, Zhang Group A	25.10. - 11.11. Computational Biology Becker, Hann, Heilmann, Parniske Group B	25.10. - 4.11. Latest technology and tools to decode genomes (practical + seminar) Schwenkenger, Tuosa Gomez														24.10. - 2.12. Experimental Plankton Ecology Stockenreiter, Stibor							
44.	31.10.-6.11.													1.11. - 20.12. Computational Methods in Population Genetics do Nascimento Pereira, Wolf (only Tuesdays)										
45.	7.11.-13.11																								
46.	14.11.-20.11.	15.11. - 2.12. Lab methods in MCB, MHB, PLS Meilinger, Mikelladze-Dvali, Hann, Gasperotti, Zhang Group B	15.11. - 2.12. Computational Biology Becker, Hann, Heilmann, Parniske Group A																					15.11. - 2.12. Cardiovascular, Lung and Metabolism Boekhoff, Conlon, Faulkner, Gudermann, Lehmann, Rehberg, Schamberger, Schiller, Schmidt , Staab-Weijnitz, Stathopoulos, Steffens, Dröger, Yildirim **3rd semester MHB only**	
47.	21.11.-27.11.															21.11. - 25.11. Arthropods Meiser, Haug, Haug (in German)									
48.	28.11.-4.12.						**28.11. - 16.12.** **Microbial Cell Biology** **Klingl, Kruggsveld**																		
49.	5.12.-11.12.														6.12.-13.1. Computational Methods in Population Genetics I do Nascimento Pereira, Metzler (Tue/Wed/Fri)						5.12. - 16.12. Taxonomy and Plant Collections (practical Fleischmann, Veranava Ejoe-Ubalah,		5.12. - 22.12. Bioimaging Hans, Steffens, Leonhardt, Magens, Bobhekov, Bachene, v. Hundelshausen, Saller, Mohanta **1st semester MHB only**		
50.	12.12-18.12.																								
51.	19.12.-25.12.																								
52.	26.12.-1.1.																								
1.	2.1.-8.1.				**Christmas break**										**Christmas break**										
2.	9.1.-15.1.			11.1. - 27.1. How to design experiments and write a project proposal (practical + seminar) Hann, Marin Arancibia, Parniske			10.1. - 13.1. + 17.1. - 20.1. Prokaryote-eukaryote interactions (practical + seminar) Faber-Braun, Landgraf									17.1. - 10.2. Computational Methods in Population Genetics II do Nascimento Pereira, Metzler (Tue/Wed/Fri)	9.1. - 13.1. Bioimaging Heß					9.1. - 10.1. Taxonomy and Plant Collections (seminar) Fleischmann, Veranava Ejoe-Ubalah,		9.1. - 27.01. Model Organisms Boekhoff, Brat, Dietrich, Gasperotti, Gudermann, K. Jung, Nicke, Schmidleitner **1st semester MHB only**		10.1. - 27.1. Basics in Systemic, Cellular and Molecular Neuroscience Albrecht, Bamyni, Kawakami, Kerschensteiner, Straka **3rd semester MHB only**
3.	16.1.-22.1.							17.1. - 3.2. Introduction into molecular oncology (practical + seminar) Meilinger, Leonhardt, **1st semester MCB students only**		17.1. - 20.1. + 24.1. - 27.1. Hydra development (practical + seminar) Böttger 31.01. -10.02. Mitochondria Osman, Makranjac									17.1. - 3.2. Molecular biodiversity research Keller (on Tuesdays, Wednesdays, Thursdays)	17.1. - 1.2. Plant adaptation to extreme environments (respective seminar on 2.2. - 3.2.) Beck, Fleischmann, Kadereit, Meseguer-schmid, Radewald, Zentener Cabezas		17.1. - 3.2. Molecular Oncology Sublekova, Marciniek **3rd semester MHB only**	
4.	23.1.-29.1.					24.1. - 3.2. Biological engineering Kobarová, Rybak										24.1. - 10.2. Morphology, Phylogeny and Evolution of Deuterostomes Haug, Starck	23.1.-3.2. Comparative Anatomy and Evolution of Vertebrates (in combination with lecture) Grothe , Kunz, Straka, Behrend									
5.	30.1.-5.2.																								
6.	6.2.-12.2.												7.2. - 10.2. + 14.2. - 17.2. Computational analysis of RNA-Seq data (practical + seminar) Hellmann, Erand, Vieth											
7.	13.2.-19.2.				13.2. - 3.3. Small RNAs in Plant Microbe Interactions Weiberg, Ladeiev (practical, all day)																6.2.-17.2. Morphology and diversity of eukaryotic algae and microscopic techniques Facher, Guttschling (only in combination with respective lecture)						
8.	20.2.-26.2.							20.2. - 3.3. Single Cell Analysis Techniques in Epigenetics Research Meilinger, Torres Padilla, Schneider	20.2. - 4.3. Applications of Machine Learning in Biology Heil, Leonhardt		20.2. - 10.3. Systems Biology (practical + seminar) Dolatabi, Hilgetag seminar 20.2. - 24.2. practical 27.2. - 10.3.								20.2. - 3.3. Practical course with excursion for scientific investigations to a natural history museum Haug C., Haug J.						
9.	27.2.-5.3.											27.2. - 10.3. Molecular Plant Biology Bolle, Schneider, Leister									27.2.-10.3. Introduction into dispersal biology of seed plants and microscopic techniques Facher, Guttschling				
10.	6.3.-12.3.													6.3. - 17.3. An Introduction to R Groth, Mueller, Metzler		6.3.-17.3. Morphology of basic invertebrates Heß, Hauptmann									
11.	13.3.-19.3.							13.3. - 24.3. Embryonic stem cells (practical + seminar) Meilinger, Leonhardt, Mulholland **3rd semester students only**				13.3. - 24.3. Regulation of plant metabolism Geigenberger, Logan Paul								13.03. - 24.03. Molecular phylogenetics and evolution of plants Zentener Cabezas, Morales Briones, Veranava Ejoe-Ubalah, Kadereit	13.03. - 24.03. Function, Genetics and Evolution of C4 and CAM Photosynthesis (respective seminar on 3.3. - 9.3.) Kadereit, Meseerschmid, Siadjeu, Facher			
12.	20.3.-26.3.											22.3. - 31.3. Methods in protein characterization (practical + seminar) Brandt, Wunder, Kunz													
13.	27.3.-2.4.																								
14.	3.4.-9.4.																								
15.	10.4-16.4.																								