

List of Courses Taught in English

Department of Biosciences and Medical Biology
Academic Year 2023/24

Bachelor Biology

Winter Semester 2023/24

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
630.108	W	Immunology	1	VO	1,5	Duschl, Horejs-Höck	German, English

Summer Semester 2023

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
630.261	S	Cell based Assays	4	UV	6	Tenhaken, Affenzeller	German, English

Bachelor Molecular Biosciences

Winter Semester 2023/24

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.022	W	Presentation of Current Topics in Molecular cell Biology	3	PS	4	Pintaric, Plätzer	English, German

Summer Semester 2023

List of Courses Taught in English

Department of Biosciences and Medical Biology Academic Year 2023/24

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.064	S	Methods in Cell Biology	4	UE	4	Dall, Schönauer, Wolff, Breitenbach-Koller, Bresgen, Puthukodan	English, German

Bachelor Medical Biology

Winter Semester 2023/24

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
614.001	W	Medical Biology	1	BC	1,5	Multiple lecturers, click link to course for more info	English, German
614.027	W	Systems Biology	1	PS	1	Esser-Skala, Friedrich, Regl	English
614.035	W	Regenerative Medicine	1	VO	1,5	Traweger	English
614.039	W	Scientific and Medical English	1	UV	1	Lepperdinger, N.N.	English, German

Summer Semester 2024

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.022	S	Presentation of Current Topics in Molecular and Cellular Biology	3	PS	4	Pintaric, Plätzer	English, German

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Academic Year 2023/24

Master Medical Biology

Winter Semester 2023/24

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
231.103	W	Biomedicine (Tumor Immunology)	4	UV	6	Aberger, Geisberger, Horejs-Höck, Elmer, Schmidt-Arras	English
231.105	W	Biomedicine (Next Generation Sequencing)	4	UV	6	Zaborsky, Risch, Nunes	English
231.106	W	Cell Biology and Pathophysiology (Infection Biology)	4	UV	6	Weßler, Posselt, Wadhwa	English
231.107	W	Biomedicine (Epigenetics of Cancer)	4	UV	6	Risch, Wolff, Lahnsteiner	English
231.110	W	Biomedical Data - From Molecules to Diseases	1	VO	1,5	Fortelny	English
231.111	W	Hands-on Biomedical Data - Resources and Analysis Tools	3	UE	4,5	Lackner, Wiederstein, Fortelny	English
231.112	W	Training Lab I	4	UE	6	Multiple lecturers, click link to course for more info	German, English
231.120	W	Advanced Structural & Molecular Applications in Medical Research	1	SE	1,5	Brandstetter	English
231.121	W	Lab Course on Chemical & Structural Biology	2	UE	3	Dall, Schönauer	English, German

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231.127	W	Research Practical: Genetics and Biotechnology (A)	4	AG	6	Brandstetter, Ferreira-Briza, Huber, Stutz, Friedrich, Geppert	German, English
231.136	W	Structure & Function of Proteins and Medical Applications	1	VO	1,5	Brandstetter	English
231.138	W	Cancer Genetics I	2	UE	3	Geisberger, Zaborsky	English
231.211	W	Advanced Cell Biology (Advanced Cell Biology in Biomedicine)	1	VO	1,5	Bresgen, Lepperdinger	English
231.212	W	Advanced Cell Biology (Advanced Methods in Cell Biology)	2	UV	3	Marozin, Simon-Nobbe, Puthukodan	English
231.213	W	Advanced Cell Biology (Current Topics in Cell Biology and Applications in Biomedicine)	1	SE	1,5	Dunlop, Posselt, N.N.	English
231.222	W	Anatomy and Histology (Lab Course in Human and Mammalian Histology)	3	UV	4,5	Pittner, Steinbacher, Gotsmy, Meyer, Monticelli, Karl, Pittner	English
231.231	W	Medical Physiology	2	VO	3	N.N., Weiger	English
231.232	W	Medical Physiology (Endocrinology and Neurobiology)	1	VO	1,5	Kerschbaum, Weiger	English, German
231.233	W	Medical Physiology (Lab Course in Medical Physiology)	1	UE	1,5	Weiger, Minnich, Karl	English

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**Department of Biosciences and Medical Biology
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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
231.100	S	Molecular and Cellular Immunology	2	VO	3	Horejs-Höck, Gratz	German, English
231.101	S	Lab Course in Immunobiochemistry	2	UE	3	Weiss, Horejs-Höck, Gratz	English, German
231.108	S	Cell Biology and Pathoph(Clinical Chemistry and Forensic Diagnostics)	4	UV	6	Huber, Stutz, Karl, Regl	English
231.109	S	Molecular Diagnostics and Clinical Chemistry (Medical Technologies)	4	UV	6	Oostingh, Karl, Emrich, Lindner	English
231.113	S	Training Lab II	4	UE	6	Multiple lecturers, click link to course for more info	German, English
231.122	S	Nanomaterials - Risks and Medical Applications	1	VO	1,5	Duschl, Geppert, Himly	German, English
231.123	S	Lab Course on Nanomaterials	2	UE	3	Himly, Geppert	German, English
231.124	S	Nanomaterial Applications	1	SE	1,5	Duschl, Himly, Geppert	German, English
231.125	S	Molecular Biology of Cancer	2	VO	3	Aberger, Risch	English
231.126	S	Oncogenic Signaling and (Epi)genetics of Cancer	2	UV	3	Aberger, Wiederstein, Wolff, Risch, Krenn, Grund-Gröschke	English

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231.137	S	Applied Human Genetics	1	VO	1,5	Bader	German, English
231.139	S	Scientific Writing and Presentation Skills	2	SE	3	Gadermaier, Gratz, Aberger, Ebner-Kalss	English
231.140	S	Job Applications and Interviews	1	SE	1,5	Gratz, Ebner-Kalss, Dedic, Traweger, Vogtenhuber, Elmer, Sonogo, Willeroirder, Mostböck	English, German
231.141	S	Cancer Genetics II	2	UE	3	Geisberger, Zaborsky	English
231.142	S	Stem Cell Therapy & Regenerative Medicine	1	SE	1,5	Strunk	English, German
231.241	S	Regenerative Biology and Ageing (Introduction to Regenerative and Stem Cell Biology)	2	VO	3	Lepperdinger	English
231.242	S	Regenerative Biology and Ageing (Advanced Cell Culture, Tissue Engineering and Cellular Ageing)	2	UE	3	Lepperdinger, Marozin, Simon-Nobbe	English
231.281	S	Cellular and physiological Neurobiology and Neuropathology	4	UV	6	Kerschbaum, Weiger, Bernatzky, Aschauer-Wallner, Benedetti, Bieler, Couillard-Depres, Altendorfer	English

List of Courses Taught in English

**Department of Biosciences and Medical Biology
Academic Year 2023/24**

Master Molecular Biosciences

Winter Semester 2022/23

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
865.M12	W	Molecular and Cellular Genetic	2	VO		Risch, Ullmann	English
865.M21	W	Proteomics and Systems Biology	2	UV	3	Huber, Regl, Esser-Skala	English
865.M23	W	Statistics	2	VO	3	Stutz	English
865.M41	W	Big Data Management	1	VO	1,5	Fortelny	English
865.M61	W	Statistics in molecular cell biology	4	UV	6	Bresgen, Stutz	English

Summer Semester 2023

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
865.M52	S	Practical Training in Molecular Biology Research II	6	UE	9	Multiple lecturers, click link to course for more info	German, English
865.M63	S	Structural and functional analysis of proteins	4	UV	6	Huber, Brandstetter, Dall, Regl	English, German
865.M71	S	Master's Thesis Seminar in Molecular Biology	1	SE	1	Multiple lecturers, click link to course for more info	German, English

Doctorate / PhD Natural Science

Winter Semester 2022/23

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**Department of Biosciences and Medical Biology
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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.028	W	Current Topics in Epigenetics and Cancer Risk Factors I	2	PV	4	Risch	English
796.036	W	Advanced Protein, Proteome and Metabolome Analysis Techniques 1	4	AG	4	Huber, Stutz	German, English
796.040	W	Molecular Medicine	2	VO	4	Caspari	German, English
796.042	W	Biophysics and Green Bioengineering I	2	PV	4	Obermeyer	English
796.048	W	Bio-Nano & Medical Applications III	2	PV	4	Himly	German, English
796.051	W	The impact of nanoparticles on human health	2	SE	4	Duschl	English
796.055	W	Doctoral Seminar (Molecular Biology)	1	SE	2	Multiple lecturers, click link to course for more info	German, English
796.058	W	Molecular Mechanisms in Cancer	2	SE	4	Aberger	English, German
796.632	W	Charles Darwin: "The Origin of Species" ("One long argument" supporting the theory of evolution)	1	VO	4	Pintaric	English, German

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**Department of Biosciences and Medical Biology
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Summer Semester 2023

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.017	S	Chemical Approaches to Explore Protein Structure, Dynamics and Function II	2	PV	4	NN	English
796.029	S	Current Topics in Epigenetics and Cancer Risk Factors II	2	PV	4	Risch	English
796.037	S	Advanced Protein, Proteome and Metabolome Analysis Techniques 2	4	AG	4	Huber, Stutz	German, English
796.041	S	Molecular Medicine (Medical Science Lecture Series)	2	VO	4	Caspari	English, German
796.042	S	Biophysics and Green Bioengineering II	2	PV	4	Obermeyer	English
796.049	S	Bio-Nano & Medical Applications IV	2	PV	4	Himly	English, German
796.052	S	Signal Transduction in the Immune System	2	PV	4	Nachfolge Duschl	English
796.056	S	Doctoral Seminar (Molecular Biology)	1	BS	2	Multiple lecturers, click link to course for more info	German, English
796.070	S	DSP Biomolecules: Scientific Writing (Advanced Course)	1	SE		Müller, Risch	English, German
796.647	S	The Yin and Yang of Gender: discourse on gender in biology and society	2	VO		Pintaric, Breitenbach-Koller	English, German