

Bachelor Molecular Biosciences

Winter Semester 2024/25

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.022	W	Impact of Biosciences on Society and Environment	3	PS	4	Plätzer, Pintaric	German, English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.022	S	Impact of Biosciences on Society and Environment	3	PS	4	Dall, Breitenbach-Koller, Elmer, Gadermaier, Himly, Schönauer, Wiederstein	Deutsch, English

Bachelor Medical Biology

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
614.010	W	Clinical chemistry	2	UV	2	Geppert, Friedrich, Blümel, Huber	German, English
614.027	W	Systems Biology	1	PS	1	Esser-Skala, Blümel, Friedrich, Regl	English, German

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614.035	W	Regenerative Medicine	1	VO	1,5	Traweger	English
614.036	W	Digitalization	1	VO	1,5	Esser-Skala	German, English
614.039	W	Scientific and Medical English	1	UV	1	Lepperdinger, Simon-Nobbe	English, German
614.041	W	Pharmacology	1	VO	1,5	Meisner-Kober	English
614.053	W	BioMaking I – Understanding and DIY of lab equipment	4	UV	6	Obermeyer	German, English

Master Medical Biology

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
231103	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, Rodrigues Nunes da Silva	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

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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	Fortelny, Lackner, Ravi Sundar Jose Geetha, Wiederstein	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
231.127	W	Research Practical: Genetics and Biotechnology (A)	4	AG	6	Brandstetter, 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	2	UE	3	Geisberger, Zaborsky	English
231.211	W	Advanced Cell Biology (Advanced Cell Biology in Biomedicine)	1	VO	1,5	Bresgen, Lepperdinger	English

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231.212	W	Advanced Cell Biology (Advanced Methods in Cell Biology)	2	UV	3	Simon-Nobbe, Bregar	English
231.213	W	Advanced Cell Biology (Current Topics in Cell Biology and Applications in Biomedicine)	1	SE	1,5	Simon-Nobbe, Dunlop, Posselt	English
231.231	W	Medical Physiology	2	VO	3	Kerschbaum, 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	Minnich, Karl, Weiger	English
231.271	W	Molecular and Functional Structure Analysis (II)	1	KO	2	Breitenbach	English
231.272	W	Advanced Cell Biology - Organ-on-Chip Technology	4	UV	6	Struber, Bregar, Lepperdinger, Lindner, Schimke	English, German

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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

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231.101	S	Lab Course in Immunobiochemistry	2	UE	3	Horejs-Höck, Amend, Gratz, Sykora	English, German
231.108	S	Cell Biology and Pathophysiology (Clinical Chemistry and Forensic Diagnostics)	4	UV	6	Huber, Friedrich, Karl, Regl, Stutz	English
231.109	S	Molecular Diagnostics and Clinical Chemistry (Medical Technologies)	4	UV	6	Oostingh, Karl, Lindner, Stangassinger	English
231.113	S	Training Lab II	4	UE	6	Multiple lecturers, click link to course for more info	German, English
231.118	S	Good Laboratory Practice and Ethical Conduct	1	VO	1,5	Gadermaier	English
231.122	S	Nanomaterials - Risks and Medical Applications	1	VO	1,5	Himly, Geppert	English, German
231.123	S	Lab Course on Nanomaterials	2	UE	3	Himly, Geppert	English, German
231.124	S	Nanomaterial Applications	1	SE	1,5	Himly, Geppert	English, German
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, Krenn, NN, Risch	English
231.137	S	Applied Human Genetics	1	VO	1,5	Bader	German, English

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231.139	S	Scientific Writing and Presentation Skills	2	SE	3	Gratz, Aberger, Gadermaier, Varkhande	English
231.140	S	Job Applications and Interviews	1	SE	1,5	Gratz, Brachtl, Ebner-Kalss, Mostböck, Traweger, Varkhande, Vogtenhuber, Willerroider	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
231.153	S	Biomedicine (Pharmaceutical drug discovery)	4	UV	6	Meisner-Kober, Matea, Schürz	English
231.241	S	Regenerative Biology and Ageing (Introduction to Regenerative and Stem Cell Biology)	2	VO	3	Lepperdinger, Lindner, Schimke	English
231.242	S	Regenerative Biology and Ageing (Advanced Cell Culture, Tissue Engineering and Cellular Ageing)	2	UE	3	Simon-Nobbe, Bregar	English

Master Molecular Biosciences

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
865.M11	W	Molecular Biology of Cellular Adaption	3	UV	4,5	Dahms, Brandstetter, Breitenbach-Koller, Bresgen, Friedrich, Kofler, Rinnerthaler, Wally	English, German
865.M12	W	Molecular Cell Biology and Genetics (Molecular and Cellular Genetics)	2	VO	3	Risch, Ullmann	English
865.M13	W	Molecular and Cellular Biology of Stress, Aging and Regeneration	1	PS	1,5	Lepperdinger, Richter, Rinnerthaler	English
865.M21	W	Proteomics and Systems Biology	2	UV	3	Huber, Blümel, Friedrich, Regl	English
865.M22	W	Functional Analysis in Model Systems	2	UV	3	Friedrich, Simon-Nobbe	English, German
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

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865.M63	W	Structural and functional analysis of proteins	4	UV	6	Blümel, Brandstetter, Dall, Huber	English, German
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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.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 2024/25

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	Medical Science Lecture Series	2	VO	4	Caspari	German, English

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796048	W	Bio-Nano & Medical Applications III	2	PV	4	Himly	English, German
796.055	W	Doctoral Seminar (Molecular Biology)	1	BS	2	Risch, Schmidt-Arras, Weßler	English, German
796.058	W	Molecular Mechanisms in Cancer	2	PV	4	Aberger	English, German
796.080	W	Doctoral Seminar (DSP)	1	BS	2	Risch, Schmidt-Arras, Weßler	English, German
796.089	W	Immunological and physico-chemical analysis of allergens and proteins (Part IV)	2	PV	4	Gadermaier	English
796.632	W	Charles Darwin: "The Origin of Species" ("One long argument" supporting the theory of evolution)	1	VO	2	Pintaric	English, German

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.029	S	Current Topics in Epigenetics and Cancer Risk Factors II	2	PV	4	Risch	English
796.034	S	DSP BioMHD Focus Seminar: Topic to be announced	2	SE	3	Weßler, Koller, Fortelny, Krenn, Schmidt-Arras	English

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796.037	S	Advanced Protein, Proteome and Metabolome Analysis Techniques 2	4	AG	4	Huber, Stutz	German, English
796.041	S	Medical Science Lecture Series	2	VO	4	Caspari	English, German
796049	S	Bio-Nano & Medical Applications IV	2	PV	4	Himly	German, English
796.056	S	Doctoral Seminar (Molecular Biology)	1	BS	2	Risch, Schmidt-Arras, Weßler	German, English
796070	S	DSP Biomolecules: Scientific Writing (Advanced Course)	2	SE	3	Müller, Weßler	English, German
796.090	S	Immunological and physico-chemical analysis of allergens and proteins (Part V)	2	PV	4	Gadermaier	English
796.647	S	The Yin and Yang of Gender: discourse on gender in biology and society	2	VO	4	Pintaric	English, German