

Molecular Biosciences Bachelor

Summer semester 2027

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.083	S	Methods in Cell Biology	4	Practical course	4,5	Schönauer and others	English

Master Medical Biology

Winter semester 2026/27

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer	Language of Instruction
231.136	W	Structure & Function of Proteins and Medical Applications	1	Lecture	1,5	Brandstetter	English
231.121	W	Lab Course on Chemical & Structural Biology	2	Practical course	3	Schönauer	English
231.211	W	Advanced Cell Biology (Advanced Cell Biology in Biomedicine)	1	Lecture	3	Bresgen, Lepperdinger	English
231.212	W	Advanced Methods in Cell Biology	2	Lecture and practical course	1,5	Simon-Nobbe, Ernst-Gonaus, Puthukodan	English

231.110	W	Biomedical Data - From Molecules to Diseases	1	Lecture	1,5	Fortelny	English
231.111	W	Hands-on Biomedical Data - Resources and Analysis Tools	3	Practical course	4,5	Fortelny and others	English
231.231	W	Medical Physiology	2	Lecture	3	Kerschbaum, Weiger	English
231.232	W	Endocrinology and Neurobiology	1	Lecture	1,5	Kerschbaum, Weiger	English
231.233	W	Medical Physiology (Lab Course in Medical Physiology)	1	Practical course	1,5	Minnich and others	English
231107	W	Biomedicine: Epigenetics of Cancer	4	Lecture and practical course	6	Risch	English

231.273	W	Biomedicine: AI / ML in omics analyses	4	Lecture and practical course	6	Fortelny, Esser-Skala	English
231.103	W	Area: Biomedicine (Tumor Immunology)	4	Lecture and practical course	6	Elmer and others	English
231.105	W	Area: Biomedicine. (Next Generation Sequencing)	4	Lecture and practical course	6	Zaborsky and others	English
231.120	W	Advanced Structural & Molecular Applications in Medical Research	1	seminar course	1,5	Brandstetter	English
231.213	W	Advanced cell biology (Current Topics in Cell Biology and Applications in Biomedicine)	1	seminar course	1,5	Simon-Nobbe and others	English

Summer semester 2027

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer	Language of Instruction
231.118	S	Good Laboratory Practice and Ethical Conduct	1	Lecture	1,5	Gadermaier	English
231.139	S	Scientific Writing and Presentation Skills (Seminar)	2	Practical course	3	Abergerer and others	English
231.140	S	Job Applications and Interviews	1	Practical course	1,5	Varkhande and others	English
231.122	S	Nanomaterials - Risks and Medical Applications	1	Lecture	1,5	Himly, Geppert	English
231.123	S	Lab Course on Nanomaterials	2	Practical course	3	Himly, Geppert	English
231.124	S	Nanomedical Applications	1	Practical course	1,5	Himly, Geppert	English
231.241	S	Regenerative Biology and Ageing (Introduction to Regenerative and Stem Cell Biology)	2	Lecture	3	Lepperdinger, Brunauer	English
231.242	S	Regenerative Biology and Ageing (Advanced Cell Culture, Tissue Engineering and Cellular Ageing)	2	Practical course	3	Simon-Nobbe and others	English
231.125	S	Molecular Biology of Cancer	2	Lecture	3	Abergerer, Risch	English

231.126	S	Oncogenic Signaling and (Epi)genetics of Cancer	2	Lecture and practical course	3	Wolff	English
231.100	S	Molecular and Cellular Immunology	2	Lecture	3	Horejs-Hoeck, Gratz	English
231.101	S	Lab Course in Immunobiochemistry	2	Practical course	3	Amend and others	English
865.M13	S	Molecular and Cellular Biology of Stress, Aging and Regeneration	1	introductory seminar course	1,5	Lepperdinger and others	English
865.M21	S	Proteomics and Systems Biology	2	tutorial and lecture course (compulsory attendance)	3	Huber and others	English
865.M23	S	Statistics	2	lecture course	3	Stutz	English
865.M61	S	Statistics in molecular cell biology	4	tutorial and lecture course (compulsory attendance)	6	Bresgen, Stutz	English
231.106	S	Area: Cell Biology and Pathophysiology (Infection Biology)	4	tutorial and lecture course (compulsory attendance)	6	Weßler and others	English

231.108	S	Area: Cell Biology and Pathophysiology (Clinical Chemistry and Forensic Diagnostics)	4	tutorial and lecture course (compulsory attendance)	6	Huber and others	English
231.109	S	Area: Molecular Diagnostics and Clinical Chemistry (Medical Technologies)	4	tutorial and lecture course (compulsory attendance)	6	Oostingh and others	English
231.153		Area: Biomedicine (Pharmaceutical drug discovery)	4	tutorial and lecture course	6	Meisner-Kober and others	English

Molecular Biology Master

Winter semester 2026/2027

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
865.M12	W	Molecular and Cellular Genetics	2	Lecture	3	Risch, Ullmann	English
865.M41	W	Big Data Management	1	Lecture	1,5	Fortelny	English

Doctorate Molecular biology

Winter semester 26/27

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.026	W	Current Topics in Structural Biology	2	Seminar	4	Brandstetter	English
796.028	W	Current Topics in Epigenetics and Cancer Risk Factors I	2	Seminar	4	Risch	English
796.091	W	Current topics on Extracellular Vesicles and RNA Drugs (I)	2	Seminar	4	Meisner-Kober	English
865.M13	W	Molecular and Cellular Biology of Stress, Aging and Regeneration	1	Introductory seminar course	1,5	Lepperdinger and others	English
865.M21	W	Proteomics and Systems Biology	2	tutorial and lecture course (compulsory)	3	Huber and others	English

				attendance)			
865.M23	W	Statistics	2	Lecture	3	Stutz	English
865.M41	W	Big Data Management	1	Lecture course	1,5	Fortelny	English

Summer semester 2027

796.029	S	Current Topics in Epigenetics and Cancer Risk Factors II	2	seminar	4	Risch	English
796.092	S	Current topics on Extracellular Vesicles and RNA Drugs (II)	2	seminar	4	Meisner-Kober	English