

Module	P/W	WS/SS	LP
<b>Core Concepts in Molecular Biotechnology</b>			<b>28</b>
Concepts in Molecular Biotechnology and Biopharmaceuticals	P	WS	9
Concepts in Digital and Cell-Based Biotechnology	P	SS	9
Advanced Methods in Pharmaceutical and Molecular Biotechnology	P	WS/SS	10
<b>Elective Focus I: Advanced Biotechnological Methods in Life Science</b>			<b>18</b>
RNA and Protein Engineering for Biomedical Use	W	WS	9
Fermentation and Product Recovery	W	SS	9
The Microenvironment in Cell Culture	W	SS	9
Analysis of High-Throughput Data Using Bioinformatics Tools	W	WS	9
Applied Metabolic Engineering	W	WS	9
Directed evolution of aptamers and alternative scaffolds as binding molecules	W	WS	9
<b>Elective Focus II: Molecular Mechanisms in Health and Disease</b>			<b>15</b>
Pharmakologie & Toxikologie	W	WS & SS	15
Metabolism & Hormone Health	W	WS	15
Biologische Chemie	W	SS	15
Endocrinology	W	SS	15
Protein Biochemistry	W	WS	15
<b>Elective Focus III: Advanced and Complementary Topics in Life Sciences</b>			<b>15</b>
Virology II Part 1	W	WS	3
Virology II Part 2	W	SS	3
Stress Response & Resilience	W	WS	3
Pharmakologie II	W	WS	3
Toxikologie	W	WS	3
Scientific Integrity, Data Analysis & Management	W	SS	3
Endocrinology (Lecture)	W	SS	3
Protein Biochemistry and Structural Biology (Lecture)	W	WS	3
Metabolism & Hormone Health (Lecture)	W	WS	3
Biologische Chemie (Vorlesung)	W	SS	3
Patentrecht	W	SS	3
Summer School "From protein structure to drug design"	W	SS	3
<b>Elective Focus IV: Bioinformatics and Structural Methods in Molecular Biotechnology</b>			<b>5</b>
Hands-on Bioinformatic Tools	W	SS	5
Biosensors in human microbiome research	W	SS	5
Experimental and AI-assisted Structural Biology in Drug Development	W	SS	5
<b>Ergänzungsbereich</b>			<b>9</b>
je nach Wahl	W	WS/SS	9
<b>Abschlussarbeit</b>			<b>30</b>
Masterarbeit	P	WS/SS	30
Summe			120

Mobilitätsfenster