

## Master ZMBP

## Master CIB

Pflichtmodule/ Compulsory modules	24 CP		Last offer	New Module	first offer
<b>Bio-4014</b> Aktuelle Themen der Allgemeinen Genetik/Current Topics in General Genetics	6	Ulrike Zentgraf	SoSe SoSe2024	parts of "CIB 003 spotlight" + proposal writing	WiSe 24/25
<b>Bio-4026/BCH-5540/</b> Comparative Innate Immunity in Animals and Plants	6	Rosa Lozano-Duran	WiSe WiSe 23/24	Course of Advanced Elective (Comparative plant immunity)	SoSe2025
<b>Bio-4016</b> Aktuelle Themen der Zell- und Entwicklungsbiologie/Current Topics in Developmental Genetics	6	Marja Timmermans	WiSe WiSe 23/24	CIB 003 spotlight + paper presentation	WiSe 24/25
<b>Bio-4018</b> Molekularphysiologie der Pflanzen/Current topics in Plant Physiology	6	Claudia Oecking	SoSe SoSe2024	Course of Advanced Elective (Current topics in Plant Molecular Biology)	SoSe2025

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Wahlpflichtbereich 1/Required Elective Modules 1	12 CP		Last offer	New Module	first offer
<b>Bio-4015</b> Molekulare Methoden der Allgemeinen Genetik	6	Thomas Lahaye/ Anett Strauß	SoSe SoSe2024	Courses of Advanced Elective (Synthetic Biology)	SoSe2025
<b>Bio-4027/ BCH-1170</b> Praktikum Zellbiochemie und Signalling	6	Andera Gust	SoSe SoSe2024	Courses of Advanced Elective (Plant immunity)	SoSe2025
<b>Bio-4019</b> Molekulare Pflanzenphysiologie I	6	Isabel Monte	SoSe SoSe2024	Courses of Advanced Elective (Experimental Plant Molecular Biology)	SoSe2025
<b>Bio-4017</b> Molekulare und zelluläre Grundlagen der Entwicklung	6	Marja Timmermans	WiSe WiSe 23/24	(Plant Development: from Stem Cell through Differentiation)	SoSe2025

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Wahlpflichtbereich 2/ Required Elective Modules 2	24 CP		Last offer	New Module	first offer
<b>Bio-4020</b> Bereichsmodul Allgemeine Genetik	12	Ulrike Zentgraf	+WiSe e SoSe2025	Research module 1 und 2	WiSe25/26

<b>Bio-4025</b> Bereichsmodul Entwicklungsgenetik	12	Marja Timmermans	+WiSe	WiSe 24/25	Research module 1 und 2	WiSe25/26
<b>Bio-4028</b> Bereichsmodul Pflanzenbiochemie	12	Thorsten Nürnberger	+WiSe	SoSe2025	Research module 1 und 2	WiSe25/26
<b>Bio-4031</b> Bereichsmodul Pflanzenphysiologie (Wahlpflicht)	12	Klaus Harter	+WiSe	SoSe2025	Research module 1 und 2	WiSe25/26
<b>Containermodule:</b>						
<b>Bio-4123</b> Mastermodul Zelluläre und molekulare biologie der Pflanzen I	6	Coordinator: Ulrike Zentgraf			Courses of Advanced Elective/ Scientific communication	SoSe2025
<b>Bio-4142</b> Mastermodul Zelluläre und molekulare biologie der Pflanzen II	6	Coordinator: Ulrike Zentgraf			Courses of Advanced Elective/ Scientific communication	SoSe2025
<b>Bio-4159</b> Methodenmodul Zelluläre und molekulare Biologie der Pflanzen	12	Coordinator: Ulrike Zentgraf			Courses of Advanced Elective/ Basic methods	SoSe2025/WiSe24/25
<b>Bio-4160</b> Molekulare Signalwege in Pflanzen	12	Coordinator: Ulrike Zentgraf			Courses of Advanced Elective/ Basic methods	SoSe2025/WiSe24/25

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Bio-ZMBP Modern Methodology in Bioanalytics - Block course	6	Mark Stahl	WiSe	WiSe23/24	none	none
Bio-ZMBP Application of Electron Microscopy in Cell Biology, Microbiology and Virology - Block course	6	Sandra Richter	WiSe	WiSe24/25	Courses of Advanced Elective	SoSe2025
Bio-ZMBP Introduction to Fluorescence Lifetime Imaging (FLIM) - Lecture/Exercise	6	Sandra Richter	SoSe +WiSe	WiSe24/25	Courses of Advanced Elective (electron microscopy)	SoSe2025
Bio-ZMBP Confocal and Epi-Fluorescence Microscopy: Introduction with Exercises - Lecture/Exercise		Sandra Richter	SoSe +WiSe	will continue		
Bio-ZMBP Modern Methodology in Flow Cytometry - Block course	6	Kenneth Berendzen	SoSe +WiSe	WiSe 2024/25	Courses of Advanced Elective (Introduction to Flow Cytometry)	SoSe2025
Bio-ZMBP/NANO Theoretical Basics of Modern Molecular Biological, Biochemical and Analytical Methods - Lecture	6	Mark Stahl	WiSe	WiSe23/24	Lecture of CIB-002+Advanced methods	WiSe 24/25
Bio-EG Scientific Writing - Lecture/Exercise	3	Marja Timmermans	SoSe +WiSe	will continue	(Scientific communication)	(SoSe2025)
Bio-ZMBP Introduction to Super-Resolution Microscopy - Block course	6	Sandra Richter	SoSe +WiSe	WiSe24/25	Courses of Advanced Elective (super resolution microscopy)	SoSe2025

Bio-ZMBP The 101 of Light Microscopy, Digital Image Acquisition and Analysis - Block course	6	Sandra Richter	SoSe	SoSe 24	Courses of Advanced Elective (light microscopy)	SoSe2025
Bio-ZMBP Nanoscale Regulation of Cellular Expansion - Block course	6	Julien Gronnier	SoSe +WiS	SoSe 24	none	none
Bio-3172 Genetically Modified Plants: Risks and Chances - Seminar	3	Klaus Harter	SoSe	will continue		
Bio-4030-E Excursion - Swedish-Lapland - Excursion	9	Klaus Harter	SoSe	will continue		
Bio-4243 Naturräume Südwestdeutschlands - Geländepraktikum	6	Klaus Harter	SoSe	will continue		
Bio-4110 Schweizer Zentralalpen - Schatzinsel Alp Flix	3	Klaus Harter	SoSe	will continue		
Bio-4135 Synthetic Biology - Block course	6	Thomas Lahaye/ Annett Strauß	WiSe	WiSe24/25	Courses of Advanced Elective (Synthetic Biology)	SoSe2025

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<b>Wahlpflichtmodule des Wahlpflichtbereichs Biologie/Required Elective Modules Biology</b>	<b>18</b>			will continue	programs in biology, including all courses of CIB. <i>Supplementary subjects :</i> Human genetics, parasitology, ethics	
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<b>Fächer-übergreifendes Wahlpflichtmodul/ Interdisciplinary Master's Module</b>	<b>12</b>			will continue	all courses of the University of Tübingen, including all courses of CIB	
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