

Master Biology / Modules

Stand WS 25/26

Focus Subjects / Schwerpunkte

Biochemistry

Theoretical Modules (12 CP)

BIO-M-TM-PBE	Protein Biochemistry and Enzymology	Prof. Dr. Reinhard Sterner
BIO-M-TM-RNA	RNA Biochemistry	Prof. Dr. Gunter Meister

Practical Modules (12 CP)

BIO-M-PM-PBE	Protein Biochemistry and Enzymology	Prof. Dr. Reinhard Sterner
BIO-M-PM-RNA	RNA Biology	Prof. Dr. Gunter Meister
BIO-M-PM-CD	Chromatin Dynamics and Nuclear Archite	Prof. Dr. Gernot Längst
BIO-M-PM-RB	Ribosome Biogenesis	N.N.
BIO-M-PM-SB	Strukturelle Biochemie	Prof. Dr. Christoph Engel

Bioinformatics

Theoretical Modules (12 CP)

BIO-M-TM-BI	Bioinformatics	Prof. Dr. Till Rudack
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Practical Modules (12 CP)

BIO-M-PM-BI	Sequence- and Structure-based Bioinforr	Prof. Dr. Till Rudack
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Biophysics

Theoretical Modules (12 CP)

BIO-M-TM-BP	Structural Biology/Biophysics I and II	Prof. Dr. Remko Sprangers Prof. Dr. Christine Ziegler
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Practical Modules (12 CP)

BIO-M-PM-MP	Structure Biology of Membrane Proteins	Prof. Dr. Christine Ziegler
BIO-M-PM-S	Biomolecular NMR-Spectroscopy	Prof. Dr. Remko Sprangers

Plant Cellular Biochemistry and Genetics

Theoretical Modules (12 CP)

BIO-M-TM-CPBG	Cellular Plant Biochemistry and Genetics	Prof. Dr. Thomas Dresselhaus Prof. Dr. Klaus Grasser
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Practical Modules (12 CP)

BIO-M-PM-MCDP	Molecular Cell and Developmental Biolog	Prof. Dr. Thomas Dresselhaus
BIO-M-PM-PB	Plant Biotechnology	Prof. Dr. Thomas Dresselhaus
BIO-M-PM-MBP	Molecular Biology and Biochemistry of Pl	Prof. Dr. Klaus Grasser
	Plant RNA Biotechnology	Prof. Dr. Aline Koch

Ecology and Nature Conservation

Theoretical Modules (12 CP)

BIO-M-TM-ENC	Ecology and Nature Conservation	Prof. Dr. Christoph Reisch
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Practical Modules (12 CP)

BIO-M-PM-MEGNC	Molecular Ecology and Genetics of Natur	Prof. Dr. Christoph Reisch
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Evolutionary and Systematic Botany

Theoretical Modules (12 CP)

BIO-M-TM-ESB Evolutionary and Systematic Botany Prof. Dr. Christoph Oberprieler

Practical Modules (12 CP)

BIO-M-PM-ESB Evolutionary and Systematic Botany Prof. Dr. Christoph Oberprieler

Theoretical Ecology

Theoretical Modules (12 CP)

BIO-M-TM-TE Theoretical Ecology Prof. Dr. Florian Hartig

Practical Modules (12 CP)

BIO-M-PM-TE Theoretical Ecology Prof. Dr. Florian Hartig

Molecular Ecology and Evolutionary Biology

Theoretical Modules (12 CP)

BIO-M-TM-MEE Molecular Ecology and Evolutionary Biolo N.N.

Practical Modules (12 CP)

BIO-M-PM-MEESI Molecular Ecology and Evolutionary Biolo N.N.

BIO-M-PM-CE Chemical Ecology Prof. Dr. Joachim Ruther

BIO-M-PM-IMI Molecular Ecology of Insect-Microbe Inter Prof. Dr. Erhard Strohm

BIO-M-PM-MEBE Molecular, Evolutionary and Behavioural Prof. Dr. Erhard Strohm

BIO-M-PM-FM Functional Morphology Prof. Dr. Erhard Strohm

BIO-M-PM-MEGNC Molecular Ecology and Genetics of Natur Prof. Dr. Christoph Reisch

BIO-M-PM-ESB Evolutionary and Systematic Botany Prof. Dr. Christoph Oberprieler

Zoology

Theoretical Modules (12 CP)

BIO-M-TM-Z Zoology N.N.

Practical Modules (12 CP)

BIO-M-PM-BESI Behavioural Ecology of Social Insects N.N.

BIO-M-PM-CE Chemical Ecology Prof. Dr. Joachim Ruther

BIO-M-PM-IMI Molecular Ecology of Insect-Microbe Inter Prof. Dr. Erhard Strohm

BIO-M-PM-MEBE Molecular, Evolutionary and Behavioural Prof. Dr. Erhard Strohm

BIO-M-PM-FM Functional Morphology Prof. Dr. Erhard Strohm

Genetics

Theoretical Modules (12 CP)

BIO-M-TM-G Genetics Prof. Dr. Wolfgang Seufert
Prof. Dr. Frank Sprenger

Practical Modules (12 CP)

BIO-M-PM-CDT Regulation of Cell Division and mRNA Tr Prof. Dr. Wolfgang Seufert

BIO-M-PM-CDD Regulation of Cell Division in Drosophila Prof. Dr. Frank Sprenger

Microbiology

Theoretical Modules (12 CP)

BIO-M-TM-M Microbiology Prof. Dr. Dina Grohmann

Practical Modules (12 CP)

BIO-M-PM-OM Organismic Microbiology Prof. Dr. Dina Grohmann

BIO-M-PM-MoM Molecular Microbiology PD Dr. Winfried Hausner

Molecular Human Biology

Theoretical Modules (12 CP)

BIO-M-TM-MH Molecular Human Biology Prof. Dr. Ernst Tamm

Prof. Dr. Silke Härteis

Practical Modules (12 CP)

BIO-M-PM-HACB Human Anatomy - Cell Biology Prof. Dr. Ernst Tamm

Prof. Dr. Silke Härteis

BIO-M-PM-HAAM Human Anatomy - Animal Models Prof. Dr. Ernst Tamm

PD Dr. Rudolf Fuchshofer

Cell and Developmental Biology

Theoretical Modules (12 CP)

BIO-M-TM-CDB Cell and Developmental Biology N.N.

Practical Modules (12 CP)

BIO-M-PM-MDN Molecular Mechanisms of Development N.N.

BIO-M-PM-DN Drosophila Neurogenetics Prof. Dr. Björn Brembs

BIO-M-PM-MCDP Molecular Cell and Developmental Biology Prof. Dr. Thomas Dresselhaus

Neurobiology

Theoretical Modules (12 CP)

BIO-M-TM-N Neurobiology Prof. Dr. Inga Neumann

Practical Modules (12 CP)

BIO-M-PM-MNB Molecular Neurobiology of Behaviour Prof. Dr. Inga Neumann

Prof. Dr. Oliver Bosch

BIO-M-PM-NP Neurophysiology Prof. Dr. Veronica Egger

BIO-M-PM-DN Drosophila Neurogenetics Prof. Dr. Björn Brembs

BIO-M-PM-SN System neurosciences in stress neurobio Prof. Dr. Simon Chang

Secondary Subjects / Nebenfächer

Human Genetics

Theoretical Modules (12 CP)

BIO-M-TM-HG Human Genetics Prof. Dr. Dr. med. Davor Lessel

Practical Modules (12 CP); or Advanced Modules

BIO-M-PM-HG Human Genetics Prof. Dr. Dr. med. Davor Lessel

Immunology

Theoretical Modules (12 CP)

BIO-M-TM-I Immunology Prof. Dr. Uwe Ritter

Practical Modules (12 CP)

BIO-M-PM-I Immunology Prof. Dr. Uwe Ritter

Medical Microbiology

Theoretical Modules (12 CP)

BIO-M-TM-MeM Medical Microbiology Prof. Dr. André Gessner

Practical Modules (12 CP)

BIO-M-PM-MeM Medical Microbiology Prof. Dr. André Gessner

Cognitive and Translational Neurobiology

Theoretical Modules (12 CP)

BIO-M-TM-CTN Cognitive and Translational Neurobiology Prof. Dr. Christian Wetzel, Prof.
Dr. Veronica Egger

Practical Modules (12 CP)

BIO-M-PM-CTN Cognitive and Translational Neurobiology Prof. Dr. Christian Wetzel

Chemistry / Physics

Theoretical Modules (12 CP)

BIO-M-TM-C/P Chemistry / Physics Studiendekan der Biologie

Practical Modules (12 CP)

BIO-M-PM-C/P Chemistry / Physics Studiendekan der Biologie