



WHICH ROLE DO
NATURAL COMPOUNDS
PLAY IN DRUG
RESEARCH AND
AGRICULTURE?

MASTER

Molecular Biotechnology

JOHANNES GUTENBERG
UNIVERSITÄT MAINZ



4 Master
Thesis

WHAT IS THE USE OF ENZYMES
AND HOW ARE THEY DESIGNED FOR
INDUSTRIAL APPLICATIONS?

HOW ARE MICROORGANISMS MANIPULATED
FOR LARGE SCALE PRODUCTION OF
DRUGS AND ENZYMES?

3 Project work II

Project work I

Extended
Qualifications



TARGET GROUP | You obtained a Bachelor's degree and have interest to broaden and specialize your knowledge in Molecular Biotechnology? You wish to tackle societal, health or nutritional challenges in your future career? Then, this Master's degree program is exactly what you are looking for!



CAREER | With your Master's degree you will be qualified for higher positions in biotechnological companies, pharmaceutical or chemical industry. Through a doctoral thesis following your Master's degree you increase your chances for a career in a leading position in industry or academia. Are you curious?



ADMISSION REQUIREMENTS | Prerequisite for enrollment to the program is a Bachelor's degree in Biology, Biochemistry or Biotechnology (or comparable) with at least a grade good (2.5) and admission is subject to restriction. English language skills at least at level B2 are required and no German language skills are needed.



STUDY PLAN | The length of the degree program is 2 years (4 terms) and includes a broad education in practical courses besides lectures and seminars. Moreover, internships at national and international partner labs or companies are possible and highly encouraged before you complete the program with your Master's thesis in a biotechnological topic of your interest. An overview of all modules is presented on the left.

2 Microbiology II -
Biomolecular
Interactions

Microbiology I -
Fungal
Molecular
Physiology

1 Biochemistry 3
Bioanalytics

Molecular
Biotechnology

MODULES
PER TERM

[https://www.blogs.uni-mainz.de/
fb10-biologie-eng/molecular-biotechnology](https://www.blogs.uni-mainz.de/fb10-biologie-eng/molecular-biotechnology)

CONTACT & E-MAIL |

Prof. Dr. Eckhard Thines | thines@uni-mainz.de

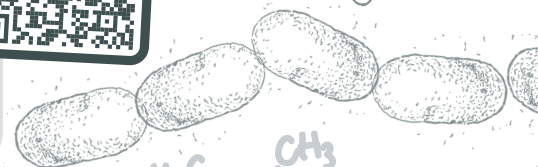
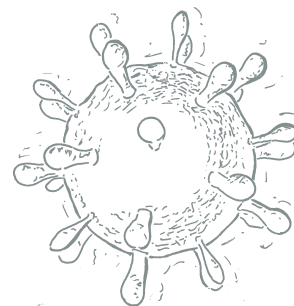
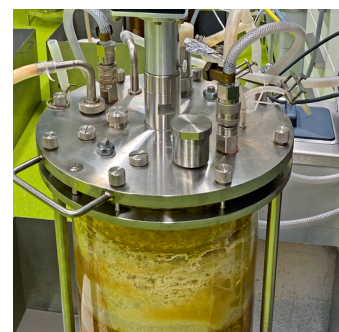
Prof. Dr. Ralf Heermann | heermann@uni-mainz.de

Dr. Karsten Andresen | andresen@uni-mainz.de

SCAN ME



Starts only in winter term!



Tetracyclin

