



JOHANNES GUTENBERG  
UNIVERSITÄT MAINZ

Degree Program

# **MOLECULAR BIOTECHNOLOGY**

at Johannes Gutenberg University Mainz

Do you know how new drugs are developed?

JG|U







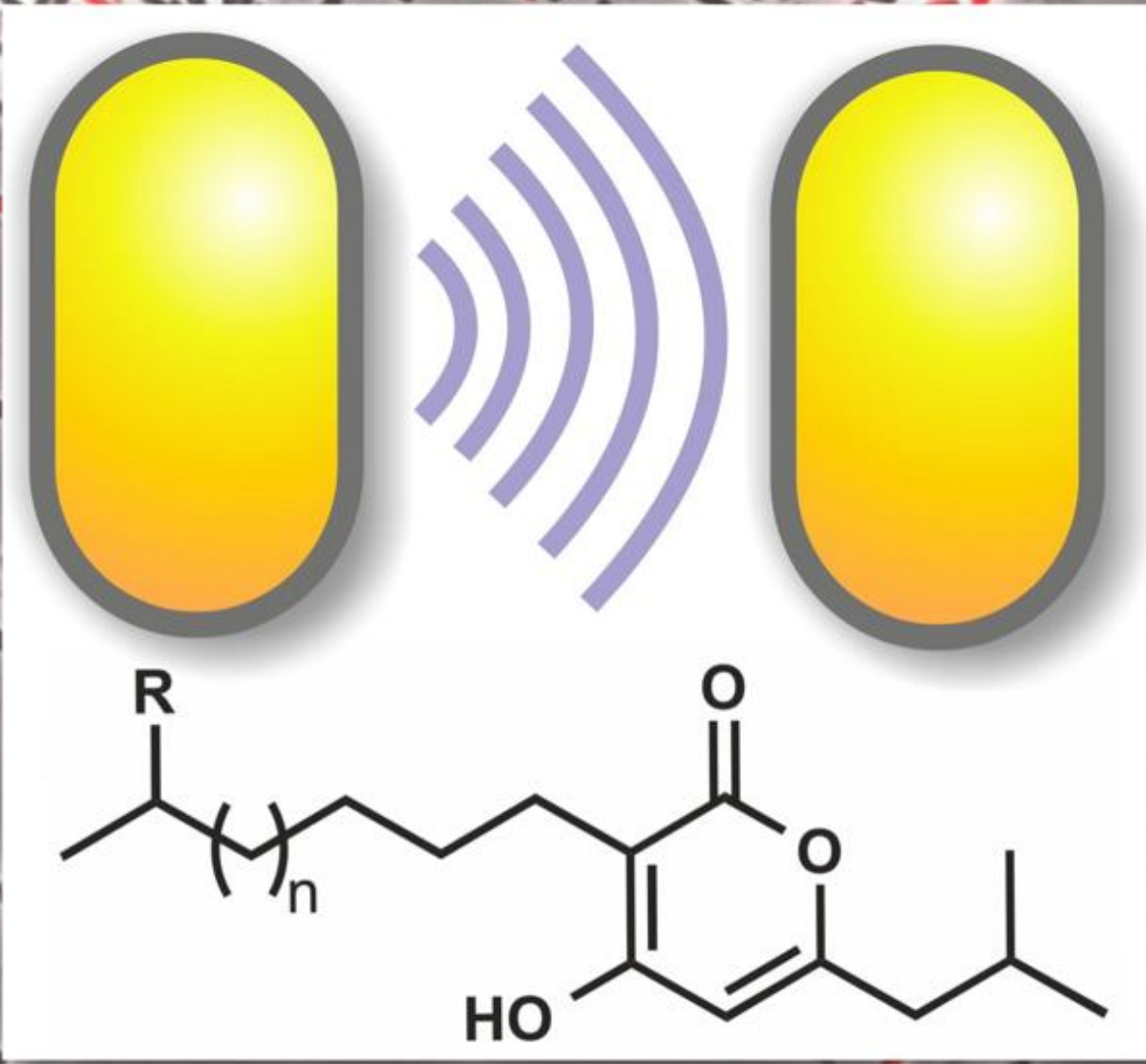
What are sources for new drugs?



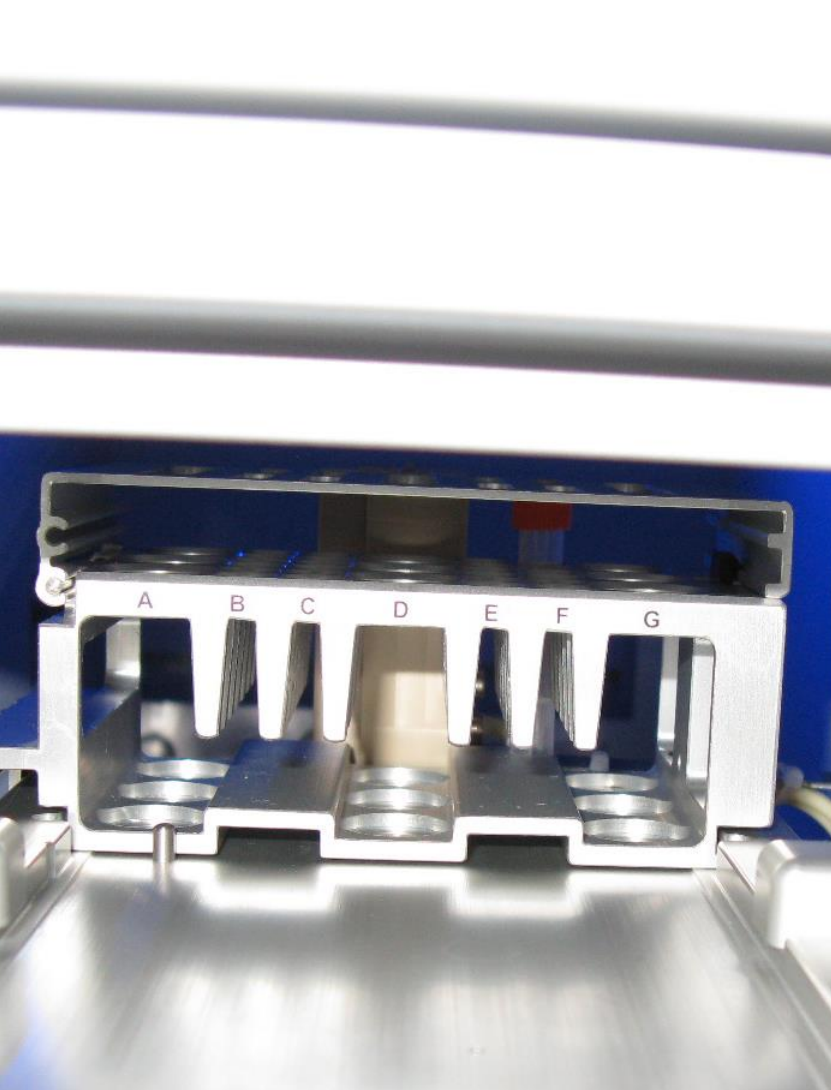


Which role do natural compounds play in drug research and agriculture?



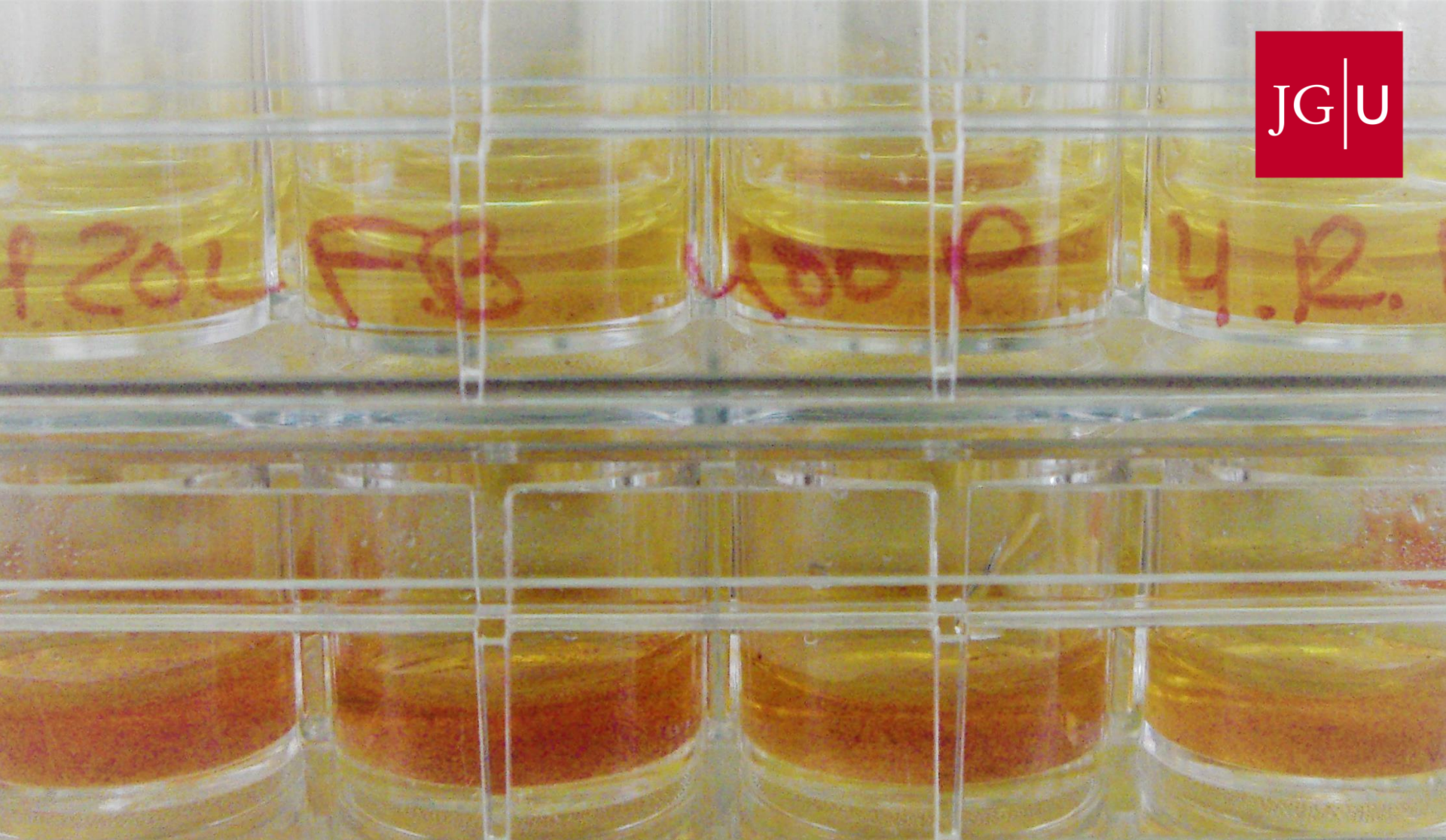


What are natural compounds and what are their pharmacological and medical applications?

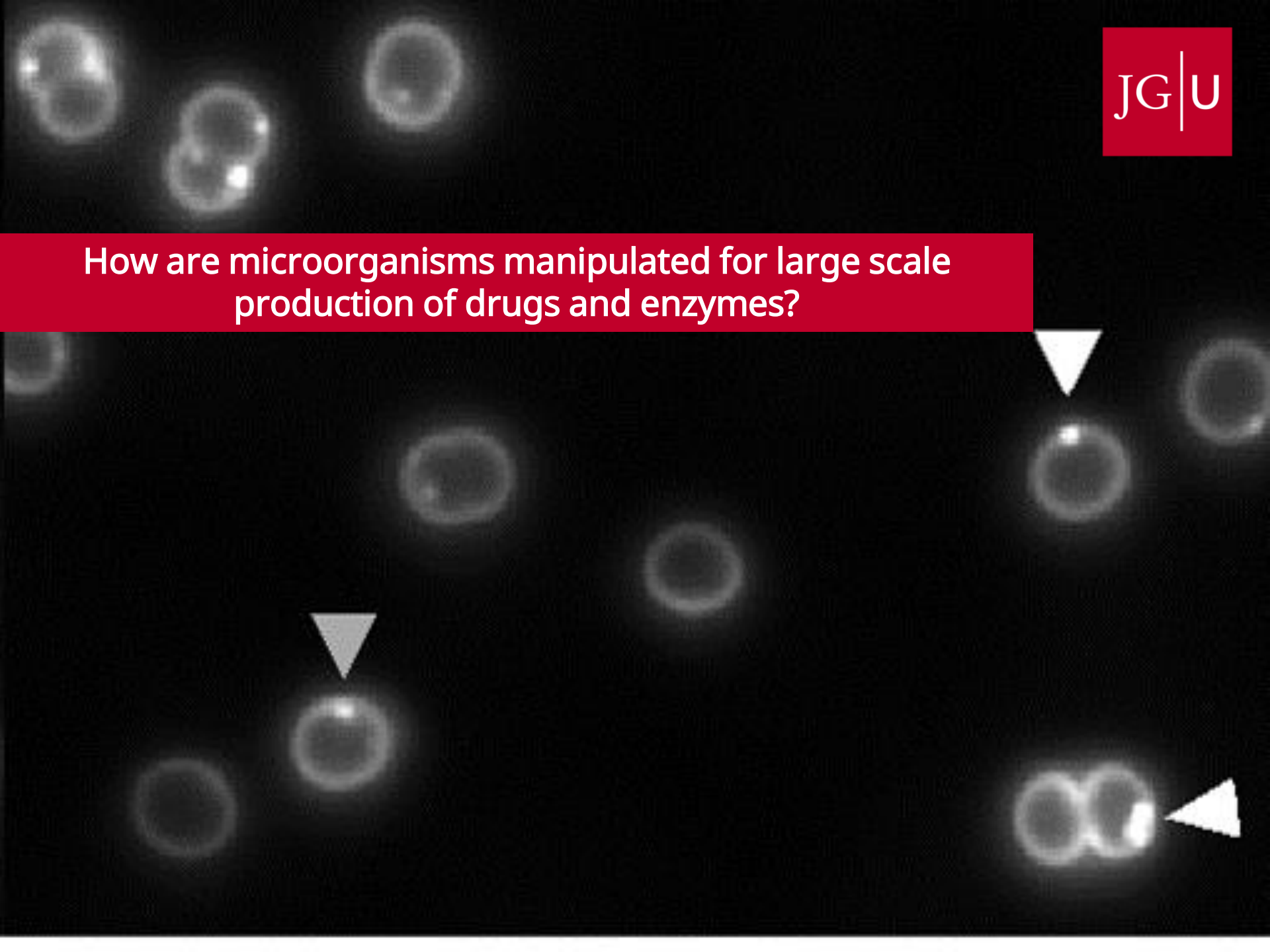


How can we investigate interactions of those biomolecules with their targets?





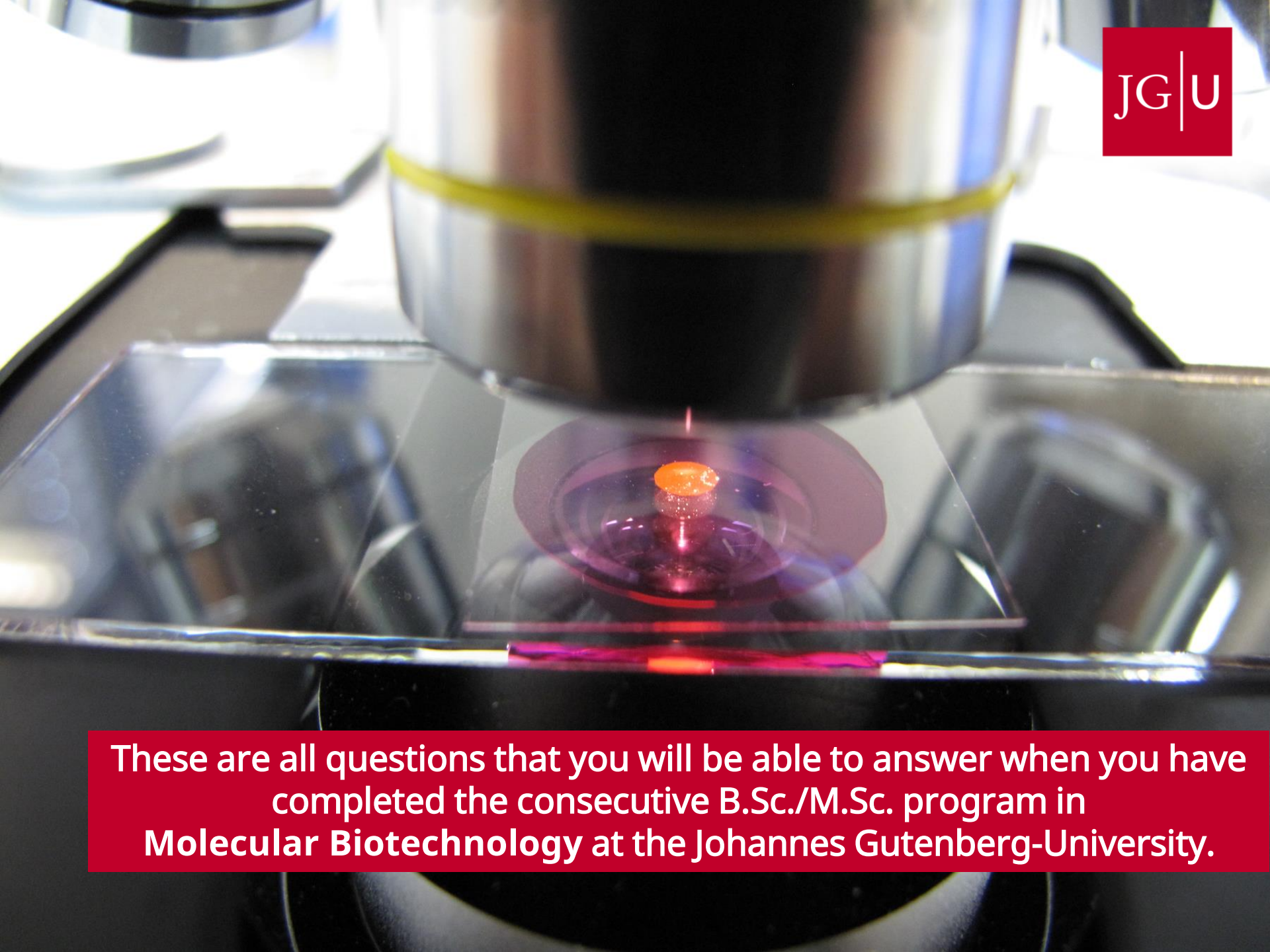
What is the use of enzymes and how are they designed for industrial applications?



How are microorganisms manipulated for large scale production of drugs and enzymes?







**These are all questions that you will be able to answer when you have completed the consecutive B.Sc./M.Sc. program in Molecular Biotechnology at the Johannes Gutenberg-University.**

If you are interested in molecular biology, microbiology and in understanding the chemistry, physics, structure and activity of biological molecules, as well their potential impact on human physiology, then this program is exactly what you are looking for!





Starting in the winter term 2020/2021, Johannes Gutenberg University offers the new degree program in

# MOLECULAR BIOTECHNOLOGY

The teaching content of the Master courses is offered in English only.



The objective of the Master programm is to train a new generation of biotechnologists, who have a profound knowledge and competences in the fields of Biochemistry, Microbiology and Physiology with future perspectives in the biotechnological, pharmaceutical, food and agriculture based industry!



## MASTER (1.-4. Semester)

Advanced lectures, seminars, and practical courses

- Molecular Biotechnology
- Biochemistry
- Bioanalytics
- Molecular Biology
- Microbiology
- Fungal Physiology
- Biomolecular Interactions
- Master Thesis

For further information please visit:  
<https://www.bio.uni-mainz.de/molekulare-biotechnologie>

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