

External Vacancy Announcement Reg.-Nr. 5-4247/24-D

The Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences I - Biosciences, Institute of Pharmacy, has a vacancy for a temporary position until 30.09.2027 at the earliest possible date:

PhD student position (f/m/d) in Metabolic Engineering of Microbes

in part-time (50%).

Remuneration is applied up to pay group 13 TV-L, depending on the assignment of duties and fulfilment of personal requirements.

Work assignments:

- Development of an industrial production strain of phenylpropanoids
- Conducting research in the field of metabolic engineering of microorganisms for the synthesis of phenylpropanoids as precursor molecules for high-value biotechnological products
- Development and characterization of microbial production strains using various molecular biological and microbiological methods (e.g. CRISPR/Cas "knock in")
- Optimization of recombinant enzyme cascades by *in vitro* kinetics
- Chemical characterization of synthesis products (HPLC, NMR)
- Writing scientific reports/publications as part of the research project
- The opportunity for a doctoral thesis is given.

Qualifications:

- Scientific degree (Master) in biochemistry or biotechnology or comparable courses of education
- Good knowledge of molecular biology (PCR, cloning, mutagenesis, etc.)
- Good practical skills in the biochemical characterization of enzymes
- Well-founded knowledge in the field of nucleic acid and protein analysis
- Good knowledge in the cultivation of microorganisms (bacteria and/or yeasts)
- Good theoretical and practical skills in analytical methods such as gel electrophoresis, spectroscopy, liquid chromatography, etc. are desirable
- Basic knowledge of metabolic engineering is an advantage
- Ability to work in a team, flexibility, self-organization and readiness for scientific exchange
- Very good English language skills, experience with MS Office and data processing programs (Origin, etc.)

Applications from severely disabled persons with equal aptitude and qualifications will be given preferential consideration. Women are strongly encouraged to apply. Applicants with a degree that was not obtained at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (<https://www.kmk.org/zab/central-office-for-foreign-education>) as proof of equivalence.

For any questions, please contact Dr. Bodo Moritz Tel.: 0345 55-25955 or Prof. Dr. M. Pietzsch, Tel.: 0345 55-25949.

Please send your application, quoting reg. nr. 5-4247/24-D, together with the usual documents until 21.05.2024 to Martin Luther University Halle-Wittenberg, Prof. Dr. Markus Pietzsch, 06099 Halle (Saale) (conventional mail).



Electronical applications have to be sent under the subject reg. nr. 5-4247/24-D, to both following email addresses: bodo.moritz@pharmazie.uni-halle.de and markus.pietzsch@pharmazie.uni-halle.de.

Only complete application documents are considered.

The job advertisement is subject to hypothetical budgetary restrictions.

Application costs will not be reimbursed by Martin Luther University. Application documents via conventional mail will only be returned if a sufficiently stamped envelope is enclosed.