

## Public job advertisement

45,000 students and 8,000 employees in teaching, research and administration, all working together to shape perspectives for the future – that is the University of Münster (WWU). Embedded in the vibrant atmosphere of Münster with its high standard of living, the University's diverse research profile and attractive study programmes draw students and researchers throughout Germany and from around the world.

The Institute of Molecular Microbiology and Biotechnology (IMMB) in the Faculty of Biology at the University of Münster (WWU), Germany, is seeking to fill the position of a

### **Doctoral Research Associate** *Wissenschaftliche\*r Mitarbeiter\*in* **(salary level TV-L E 13, 65%)**

at the earliest possible date . We are offering a fixed-term part-time position (65 %) for 3 years.

#### **Your tasks:**

#### **Elucidation of a novel metabolic pathway for the degradation of steroid compounds in bacteria**

The bacterial degradation of steroid compounds is of great relevance both for the degradation of hormones in wastewater treatment plants and for the production of pharmaceutical steroids in biotechnology. However, relatively little is known about the underlying biochemical and molecular basis. In our research group, we are investigating bacterial steroid metabolism based on the degradation of bile acids. We have discovered a new metabolic pathway, which will now be elucidated in a project funded by the German Research Foundation (DFG). Specifically, molecular biological, biochemical and chemical-analytical methods will be used to elucidate key reactions in this process and to characterize the enzymes involved. Specific methods include site-directed mutagenesis, protein expression and purification, enzymology, whole-cell biotransformation and HPLC-MS.

For more information please look at: <https://www.uni-muenster.de/Biologie.IMMB.Philipp/>.

#### **Our expectations:**

- a completed MSc or diploma degree in a natural science subject,
- profound knowledge of biochemistry and genetics and
- a strong interest in the physiology of microorganisms.

We offer an interactive, vivid and multifaceted working atmosphere in an international team ranging from microbial biotechnology to ecology with a strong focus on bacterial metabolism.

The University of Münster strongly supports equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation or gender identity. We are committed to creating family-friendly working conditions.

The University of Münster is an equal opportunity employer and is committed to increasing the proportion of women academics. Consequently, we actively encourage applications by women. Female candidates with equivalent qualifications and academic achievements will be preferentially considered within the framework of the legal possibilities.

Are you interested? Then we look forward to receiving your application by **15 October 2022** at:

Westfälische Wilhelms-Universität  
Institut für Molekulare Mikrobiologie und Biotechnologie  
Prof. Dr. Bodo Philipp  
Corrensstraße 3  
48149 Münster  
[bodo.philipp@uni-muenster.de](mailto:bodo.philipp@uni-muenster.de)

Please send us your application electronically **in a single PDF document** in English or German, containing a detailed CV, a letter of motivation, and the names of two potential referees (please note that we cannot consider other file formats).