



## IT'S TIME TO GROW.

Join our University in the Department of Agriculture, Food and Health:

## DFG-project - Scientific Assistant (all genders)

**Starting at the earliest possible date | Lemgo Campus | Limited to 3 years  
| Part-time (65%) of a full-time equivalent (FTE)**

We are the OWL University of Applied Sciences and Arts (TH OWL). At our campuses in Lemgo, Detmold, and Höxter, we qualify approximately 5,700 students—personally, professionally, and with a focus on the future. We foster interdisciplinary exchange and benefit from cooperative structures, actively shaping an appreciative working and educational environment across all locations. Strong institutes and international networks ensure that our innovations from applied research are sustainably transferred into the dynamic economic region of Ostwestfalen-Lippe and beyond.

### Your Responsibilities

- ▶ Planning and execution of experimental work on the localized expression of GFP- and RFP-tagged proteins in *Stachybotrys chartarum* and *Aspergillus nidulans*
- ▶ Microscopy for analyzing the subcellular localization of enzymes involved in trichothecene biosynthesis
- ▶ Development, establishment, and optimization of transformation procedures for *S. chartarum* (including protoplast- and *Agrobacterium tumefaciens*-mediated transformation)
- ▶ Cloning and expression of fusion proteins, including promoter identification and characterization
- ▶ Generation and functional characterization of gene deletion mutants
- ▶ Contribution to the establishment of CRISPR-Cas9-based methods for the genetic manipulation of *S. chartarum*
- ▶ Performance of LC-MS/MS and LC-QTOF-HRMS analyses for the identification and quantification of macrocyclic trichothecenes and their precursors
- ▶ Documentation, statistical analysis, and presentation of research results through scientific publications and at conferences

### Your Profile

#### Qualifications and Skills

- ▶ A successfully completed university degree (Master or Diploma) in a relevant field, e.g., Molecular Biology, Microbiology/Mycology, Biochemistry, Biotechnology, Biology with a focus on Genetics or Cell Biology, Veterinary Medicine
- ▶ Initial experience in microbiological and mycological laboratory work, including: Cultivation and sterile techniques for molds or other filamentous organisms, handling genetically modified microorganisms (Safety Level S1)
- ▶ Very good command of English, both written and spoken — necessary for publications, international cooperation, and scientific communication
- ▶ Team spirit, initiative, and a meticulous working style — the project requires coordination with partner laboratories and diverse methodical work steps

### Ideally, you also have..

- ▶ Initial experience in molecular biological methods, particularly: DNA/RNA isolation, PCR, cloning, plasmid construction, working with expression systems (especially filamentous fungi), and handling vectors and selection markers
- ▶ Basic knowledge of genetic transformation – ideally initial experience with *Agrobacterium tumefaciens*-mediated transformation, protoplast transformation, or CRISPR-Cas9
- ▶ Basic understanding of biochemical analysis – e.g., LC-MS/MS or LC-QTOF-HRMS for the characterization of secondary metabolites
- ▶ Proficiency in common analytical techniques and data processing, e.g., fluorescence microscopy / confocal microscopy, and basic bioinformatics for evaluating genetic data
- ▶ Reliable documentation and evaluation of scientific data (e.g., using Excel, R, GraphPad, or comparable tools)

### What We Offer

- ▶ A modern, family-friendly working environment
- ▶ Remuneration – depending on education and experience – up to pay grade 13 TV-L
- ▶ A company pension scheme (supplementary benefits)
- ▶ Continuous and comprehensive professional development opportunities – including technical, pedagogical, and personal training
- ▶ The opportunity to pursue a doctorate

The OWL University of Applied Sciences and Arts (TH OWL) stands for the principle of 'Quality through Diversity' and aims to increase the proportion of women. We therefore particularly welcome applications from women, especially in the scientific field. In the case of equal suitability, preference will be given to applications from severely disabled persons.

[www.th-owl.de/karriere](http://www.th-owl.de/karriere)

## We look forward to hearing from you!

We look forward to receiving your complete application (including a cover letter, CV, and certificates) by **March 6, 2026**.

Please use our++ **online application form++** exclusively to submit your documents. Please address your cover letter to Prof. Dr. habil. Sebastian Ulrich at the Department of Agriculture, Food and Health, quoting the reference number LLG0126.

## Do you have any questions?

For **individual questions** regarding the application process, **Marie Multhaupt** from the Human Resources and Organization Department will be happy to assist you: +49 5261 702-5825.

For **specific questions** regarding the content of the advertised position, please contact **Dr. Pfannebecker**: +49 5261 702-5655.

