

External Job Announcement Reg.-Nr. 5-10941/24-D

-Verlängerung der Bewerbungsfrist-

Modern, interconnected, conscious of tradition: Martin Luther University Halle-Wittenberg (MLU) is the oldest and largest university in the State of Saxony-Anhalt with a history dating back more than 500 years. Today more than 20,000 students are enrolled at MLU.

As part of the JTC project, the Martin Luther University Halle-Wittenberg, Faculty of Natural Sciences I - Biosciences, Institute of Pharmacy, Processing of Biotechnical Products in the innovation team "Designer proteins as bio-based binders" is seeking to fill the temporary position of a

Scientist / Postdoc (m-w-d)

in full time at the earliest possible date. The position will be limited until 31.12.2027.

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled.

Tasks:

With the European Center of Just Transition Research and Impact-Driven Transfer (JTC), an interdisciplinary research center is being established at Martin Luther University Halle-Wittenberg, which will address questions about the fair design of techno-socio-economic change processes in transition regions in Central Germany and link 'questions of the day after tomorrow' with current challenges. To this end, 17 so-called innovation teams have been established at MLU, which are made up of interdisciplinary members from the humanities and social sciences as well as the natural and material sciences.

- Conducting research in the field of materials science and engineering
- Development of formaldehyde-free binders based on biopolymers such as proteins
- Development of multi-component films and/or surface modifications based on proteins from renewable raw materials
- Characterization of the specific adhesion of proteins to different surfaces
- Analysis of the biocompatibility and effectiveness of biomaterials in the field of tissue and bone regeneration
- Microscopic analysis of cell morphology and its quantification
- Writing scientific reports and publications as part of the research project

Requirements:

- Completed scientific university degree in bioengineering, materials science or comparable study courses
- Doctorate (PhD) in natural or engineering sciences
- Very good practical and theoretical knowledge in the field of cell culture
- Extensive knowledge of coating processes for the modification of surfaces
- Sound knowledge of physical surface and particle measurement methods (viscosity, AFM, ellipsometry, contact angle)
- Very good theoretical and practical knowledge of microscopic analysis of cell morphology and its quantification
- Good theoretical and practical knowledge of biochemical methods (ELISA, Western blot, qPCR, etc.)
- Knowledge in the field of chemical modification and cross-linking of biopolymers is an advantage
- Very good English language skills, experience with MS Office and data processing programs (Origin, etc.)

- Structured and reliable way of working, as well as very good team and communication skills

Application of disabled candidates with equivalent qualification will be given priority. Women are particularly encouraged to apply. Applicants with a foreign qualification have to show the statement of comparability for foreign higher educational qualification issued by the Central Office for Foreign Education/Zentralstelle für ausländisches Bildungswesen (<https://www.kmk.org/zab/central-office-for-foreign-education>).

For more information, please contact Dr. Constanze Zwies, Tel.: 0345 55-25941, E-Mail: constanze.zwies@pharmazie.uni-halle.de

Please submit your full application including the usual documents (letter of motivation, CV, certificates) with reference to Reg.-Nr. 5-10941/24-D until 13.11.2024 per e-mail to Prof. Dr. Markus Pietzsch, 06099 Halle (Saale) (conventional mail).

Electronical applications have to be sent under the subject reg. no. 5-10941/24-D, **to both following email addresses:** constanze.zwies@pharmazie.uni-halle.de and markus.pietzsch@pharmazie.uni-halle.de.

Only complete application documents are considered.

This announcement is depending on fund availability and any possible budget restriction. Application expenses cannot be reimbursed by the Martin-Luther-University.

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