

External Job Advertisement Reg. Nr. 7-144/25-D

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 the university. MLU's core research areas are in the nano-sciences and biosciences, the Enlightenment, as well as in social and cultural research. The university is also home to a range of small disciplines, some of which can be found nowhere else in Germany. The university has excellent national and international ties, and works closely together with leading research institutes, industry, and more than 250 universities around the world.

The Faculty of Medicine, Clinic for Internal Medicine IV, at Martin Luther University Halle-Wittenberg is seeking a part-time (65%)

Doctoral Student (all genders)

starting at the earliest possible date until 31.12.2027.

Remuneration will be determined based on job duties and responsibilities and will be aligned with the fulfillment of listed personal requirements, up to pay grade 13 under the *TV-L (Tarifvertrag für den Öffentlichen Dienst der Länder – 'German Public Service Pay Agreement for the Federal States')*.

Job Responsibilities:

- scientific contribution to EFRE-funded project on research, manufacturing and application of cell therapeutics
- PhD project dedicated to characterising the interaction between mesenchymal stromal cells (MSC) and acute myeloid leukaemia (AML) cells, with the goal of identifying novel therapeutic targets
- Application of a broad range of methods, including isolation and cultivation of primary MSC and AML cells, flow cytometry, cytokine profiling, single-cell RNA sequencing, as well as in vitro and in vivo loss- and gain-of-function analyses
- Potential clinical expansion of the project, depending on research progress
- Isolation, cultivation, and expansion of cells under GMP conditions in preparation for clinical application
- Development and drafting of relevant standard operating procedures (SOPs)
- Digital documentation, data management, and analysis of experimental results
- Independent planning and execution of experiments, literature research, and presentation of findings at national and international scientific conferences
- Preparation and writing of scientific manuscripts for publication

Requirements:

- completed scientific university degree (diploma/master's degree) in biochemistry, biology or a comparable course of study
- You have solid experience in the cultivation of cell lines
- Experience in the isolation and cultivation of primary human cells is an asset
- You are proficient in techniques such as flow cytometry, cytokine analysis, gene expression studies, RT-PCR, and Western blotting

- Familiarity with loss- and gain-of-function analyses, including CRISPR and shRNA methods, is desirable
- You are willing to participate and contribute to studies including mouse models
- Ideally you have documented training in animal experimentation (e.g. completed animal course or mouse module)
- You have excellent written and spoken communication skills in English and preferably also in German
- You have a goal-oriented and responsible way of working
- Your excellent IT skills particularly with the MS Office Suite enable you to work confidently with large data files
- You are a strong team player with a high degree of flexibility, initiative, and the ability to work independently in a structured manner

Applications from disabled persons, including those of equal status (as certified by the *Bundesagentur für Arbeit* / Federal Employment Agency), will be given preferential consideration if they are equally suitable and qualified. Women are strongly encouraged to apply. Applications from individuals of all nationalities are explicitly welcome. 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 (ZAB) (<https://www.kmk.org/zab/central-office-for-foreign-education>) as proof of equivalence upon conclusion of the employment contract. You can find ways to apply for a financial grant for this under: <https://www.anerkennung-in-deutschland.de/html/de/pro/anererkennungszuschuss.php#>.

If you have any questions, please contact Prof. Lutz Müller, Tel.: 0345 557-2924 Email: innere4@uk-halle.de.

Please send your application, including Reg. No.: 7-144/25-D, with the required documents until 24/07/2025 to Martin Luther University Halle-Wittenberg, Martin-Luther University Halle-Wittenberg, Medical Faculty, Clinic for Internal Medicine IV, Prof. Dr. Lutz Müller, 06097 Halle (Saale). An electronic application in one single pdf file to apl. Prof. Dr. Lutz Müller (E-Mail: innere4@uk-halle.de) is preferred.

This job posting is subject to potential budgetary restrictions.

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