

## External Job Advertisement Reg. Nr. 7-202/25-D

Creating Knowledge since 1502: Martin Luther University Halle-Wittenberg (MLU) offers a wide range of academic subjects in the areas of humanities, social sciences, natural sciences and medicine. The oldest and largest university in Saxony-Anhalt was created in 1817 when the University of Wittenberg (founded in 1502) merged with Friedrichs University Halle (founded in 1694). Today the university has 340 professors and 20,000 students. Research at the university focuses on nano and life sciences, the Enlightenment, society and culture.

The Faculty of Medicine, Institute of Molecular Medicine, research group "Molecular Medicine of Signal Transduction" at Martin Luther University Halle-Wittenberg is seeking a full-time

### Research Assistant (m-f-d)

for a fixed term of 3 years, starting at the earliest possible date.

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')*.

We develop and apply innovative, patient-specific preclinical models to advance precision oncology in colorectal cancer. Our aim is to better understand how tumors interact with their surrounding microenvironment in order to identify novel therapeutic strategies for patients with advanced disease. To achieve this, we employ a cutting-edge toolbox that includes 3D tumor organoid cultures, single-cell transcriptomics and CRISPR-based genome engineering. These technologies allow us to investigate tumor heterogeneity and cellular interactions with unprecedented resolution and to pinpoint actionable vulnerabilities that can be targeted in future therapies.

#### Job Responsibilities:

- Cultivation of colorectal cancer organoids and cells of the tumor microenvironment
- Execution of single-cell RNA sequencing (scRNA-seq) experiments
- Genetic manipulation of cells using CRISPR
- Independent project management
- Participation in national and international research collaborations
- Opportunity for scientific qualification

#### Requirements:

- Completed PhD in the field of life sciences
- First-author publications in peer-reviewed journals
- Proficiency in human cell culture techniques, ideally including experience with tumor organoid culture
- Experience with lentiviral transduction, molecular cloning, CRISPR genome editing and scRNA-seq
- Programming experience in R or Python is an advantage
- Excellent command of English, both written and spoken
- Analytical and problem-oriented thinking
- Ability to work in a team

**We offer:**

- interesting and varied fields of activity with creative freedom at the largest employer in the region
- the opportunity to support the education of young people through your work and to contribute to gaining new insights and answering important scientific research questions
- public service employment with remuneration according to the *Tarifvertrag der Länder (TV-L)* ('Collective Agreement for the Public Service') including an annual special payment and a company pension
- a secure job with attractive working conditions (home office, flexible working hours, and variable part-time models)
- 30 days of annual vacation plus additional days off on December 24 and 31
- a family-friendly, diversity-oriented, and intercultural work environment at a certified family-oriented university, including holiday childcare
- comprehensive staff development throughout all career stages with diverse training and qualification opportunities, including educational leave
- a health management framework to promote and maintain good health, as well as a broad university sports program
- the opportunity to participate in diverse social communities (e.g. university sports teams, university choir or university orchestra)
- exciting events such as the *Lange Nacht der Wissenschaften* (Long Night of the Sciences), University Information Day, and the University Winter Ball
- reduced-price meals in the cafeterias of the *Studentenwerk* (Student Services) Halle

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/anerkanntungszuschuss.php#>.

If you have any questions, please contact Ms. Tanja Wolf, E-Mail: [tanja.wolf@uk-halle.de](mailto:tanja.wolf@uk-halle.de).

Please send your application, including Reg. No.: 7-202/25-D, with the required documents to Martin Luther University Halle-Wittenberg, Medical Faculty, Professor Michael Böttcher, 06097 Halle (Saale) until 01/10/2025. An electronic application in one single pdf file to [tanja.wolf@uk-halle.de](mailto:tanja.wolf@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.