

External Job Announcement – Registration number 7-134/21-H – Extension of Deadline -

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 Medical Faculty of the Martin-Luther-University Halle-Wittenberg, research group “Molecular Medicine of Signal Transduction” offers at the next possible date a part-time (65%)

PhD position (m-f-d)

limited until 3 years.

The salary conforms to the salary scale for university employees up to pay grade 13 TV-L depending on the assigned tasks and personal qualifications.

The project:

The group focuses on the development of CRISPR-based methods to functionally investigate deregulated signal transduction pathways in cancer with the goal of using the acquired knowledge for predictive and therapeutic purposes (www.boettcher-lab.net).

The position is part of the consortium ‘Non-autonomous Mechanisms in Cancer’ (NAUTICA), a newly established research unit funded by the Medical Faculty. This consortium consists of a unique and strongly interdisciplinary network of clinical scientist and basic researchers and enables excellent interdisciplinary training within a doctoral thesis.

Tasks:

- Establishment of primary cultures (PDO) of gastrointestinal tumors
- Characterization of tumor-stroma cell interactions using scRNA-Seq
- CRISPR/Cas gene editing in PDO cultures of gastrointestinal tumors
- Analysis and interpretation of results
- Independent project management after initial training

Requirements:

- Completed Master's degree in Life Sciences
- High interest in translational cancer research
- Experience with primary tumor cell culture (PDO or PDX)
- Experience with molecular cloning and lentiviral transduction
- Creative and critical team player with strong problem-solving skills
- Very good English skills



We offer:

- Excellent research conditions in an interactive environment
- Expertise with bioinformatics and CRISPR/Cas technologies
- Opportunities for further training
- Active participation in national and international collaborations
- Individual development plan for a successful career start

Applications from severely disabled candidates with equivalent qualifications will be given priority. Women are particularly encouraged to apply.

For more information, please contact Tanja Wolf, E-Mail: tanja.wolf@uk-halle.de

Please send your application including letter of motivation, curriculum vitae, certificates, contact details of two references and the registration number 7-134/21-H until 04/10/2021 to the Medical Faculty of the Martin-Luther-University Halle-Wittenberg, Jun.-Prof. Michael Boettcher, Charles-Tanford- Protein-Center, Kurt-Mothes-Straße 3a, 06120 Halle (Saale).

This job vacancy may be subject to budgetary restrictions.

The Martin-Luther-University Halle-Wittenberg will not reimburse application expenses. Application documents will only be returned if a prepaid return envelope has been attached. An electronic application in one single PDF file to tanja.wolf@uk-halle.de is preferred.