

External Job Announcement – Registration number 7-169/19-D

Zukunft mit Tradition – Wissenschaft gestalten: Die Martin-Luther-Universität Halle-Wittenberg (MLU) bietet ein breites Fächerspektrum in den Geistes-, Sozial-, Natur- und den medizinischen Wissenschaften. Die älteste und größte Hochschule Sachsen-Anhalts entstand 1817 aus dem Zusammenschluss der Universitäten in Wittenberg (1502) und Halle (1694). Heute hat sie 340 Professoren und 20.000 Studierende. Ihre Forschungsschwerpunkte liegen in den Material- und Biowissenschaften, der Aufklärungs- sowie der Gesellschafts- und Kulturforschung.

The Medical Faculty of the Martin-Luther-University Halle-Wittenberg, junior research group “Molecular Medicine of Signal Transduction” offers immediately the full-time position of a

Postdoctoral Fellow (m-f-n)

limited until December 31st, 2022.

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 junior research group is working on the functional investigation of deregulated signal transduction pathways in cancer. The emphasis is on translational research with the aim of using the acquired knowledge for diagnostic and therapeutic purposes (see www.boettcher-lab.net).

We recently developed an orthogonal CRISPR screening approach to functionally dissect genetic interaction networks that regulate the response of cancer cells to tyrosine kinase inhibitor treatment (Boettcher et al., Nature Biotechnology, 2018 Feb; 36(2):170-178). We now want to characterize the most interesting genetic interactions in more detail, using state-of-the-art molecular and cell biology techniques, such as single-cell RNA sequencing, cross-linking mass spectrometry and various CRISPR screening approaches.

Tasks:

- Characterization of previously identified genetic interactions
- Development of new CRISPR approaches to study signal transduction in cancer
- Independent data analysis
- Presentation of results in group seminars and at conferences
- Writing scientific publications

Requirements:

- Master in Life Sciences
- Completed PhD degree in Life Sciences
- Strong background in molecular cancer research and/or signal transduction
- Experience in computational biology is a plus
- Motivated, creative, critical, independent, friendly and a team player
- Strong publication record in a field relevant to signal transduction in cancer
- Very good command of the English language

Our offer:

- Excellent research conditions in an interactive scientific environment
- Flexible project design and independent project management
- Possibility to supervise and lead a team of graduate students
- 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 7-169/19-D until 19/01/2020** to the Medical Faculty of the Martin-Luther-University Halle-Wittenberg, Juniorprofessor Dr. 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 a single PDF file) to tanja.wolf@uk-halle.de is welcome.