

## External job advertisement Reg.-Nr. 7-128/21-H

The Medical Faculty of the Martin-Luther-University Halle-Wittenberg, Clinic for Internal Medicine IV (Universitätsklinik und Poliklinik für Innere Medizin IV) offers the position of a

### Graduate student (PhD) (m-f-d)

beginning 01.09.2021 for a period of 3 years in a part-time appointment (65%).

The salary will be in accordance with salary class 13 TV-L, pending classification based on individual qualifications.

#### The position:

is part of the consortium „Non-Autonomous Mechanisms In Cancer (NAUTICA)“, a newly established research unit funded by the Medical Faculty. The candidate will work on a project on tumor biology in the group of apl. Prof. Dr. Lutz P. Müller, Clinic for Internal Medicine IV. The unique and strong interdisciplinary network of clinical scientist and basic researchers within the consortium and particularly the close cooperation with the group of Prof. Dr. Guido Posern (Institute for Physiological Chemistry) for the specific project will enable an excellent interdisciplinary training during the doctoral thesis.

#### Tasks:

- planning and realization of research work within the project “Role of stroma-regulated motility genes for the progression and metastasis of colorectal carcinoma”, funded by the Wilhelm-Roux-Program of the Medical Faculty, MLU
- performing experimental work using in-vitro models as well as ex-vivo tumor samples including real-time motility-analysis, RNA-sequencing including single-cell RNAseq, planning and realization of CRISPR-based knock-out-screens; carrying out standard methods of cellular and molecular biology (Western Blotting, qPCR, recombinant expression)
- presentation of data in scientific publications and on national and international meetings
- goal of the position is the doctoral thesis (PhD / Dr. rer. nat. or Dr. rer. medic.)

#### Requirements:

- degree (Diplom/Master) in life sciences (Biology, Biochemistry, Molecular Medicine or equivalent)
- specific knowledge in tumor biology und experience in methods of cellular and molecular biology desirable
- experience in bioinformatics beneficial
- curiosity and passion for a work in the field of tumor research
- ability to learn new methods upon instruction as well as to independently plan and carry out experiments using established methods
- ability to work in a team with diverse backgrounds
- high degree of responsibility for the progress and quality of the project
- solid language skills both in written and spoken English

**We offer:**

The project work and doctoral thesis are carried out in a young team of the closely collaborating groups of Lutz P. Müller (Clinic for Internal Medicine IV) und Guido Posern (Institute for Physiological Chemistry) in an atmosphere driven by scientific curiosity and quality. This is embedded in a surrounding of high scientific competency, structured teaching, short lines of communication and flat hierarchy. For all planned works the necessary equipment and methods are available and established.

Seminars, lab meetings und journal clubs are regularly performed. Participation in Graduate programs of the Medical Faculty are encouraged and supported.

The Martin-Luther-University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply.

For further information, please contact Herrn apl. Prof. Dr. Lutz P. Müller, E-Mail: [lutz.mueller@uk-halle.de](mailto:lutz.mueller@uk-halle.de), Tel.: 0345 55 7-2924.

Please submit your application including letter of motivation, curriculum vitae, certificates, contact details of two references and the Registration Number 7-128/21-H until 31/07/2021 to the Medical Faculty of the Martin-Luther-University Halle-Wittenberg, Clinic for Internal Medicine IV (Universitätsklinik und Poliklinik für Innere Medizin IV), Ernst-Grube-Str. 40, 06120 Halle (Saale).

An electronic application (in a single PDF file) to apl. Prof. Dr. Lutz Müller, [innere4@uk-halle.de](mailto:innere4@uk-halle.de) is welcome.

This job vacancy may be subject to budgetary restrictions.

The Martin-Luther-University Halle-Wittenberg will not reimburse application expenses. Written documents will only be returned if the applicant provides a self-addressed and stamped envelope.