

We are looking for committed people with enthusiasm for biomedical research!

TRON gGmbH is a growing biopharmaceutical non-profit organization with the goal to develop highly innovative technologies to address medical needs in the field of cancer diagnostics and therapeutics. TRON was founded in Mainz in 2010 and works in close cooperation with universities and clinics as well as with regional, national and international research institutions and companies in the pharmaceutical industry.

As part of our team, you have the opportunity to work with talented and dedicated colleagues, to develop and expand your professional experience, and to be at the cutting-edge of translational science to improve patient lives.

TRON is currently expanding its Expression and Cell Biology team. We focus on the discovery, validation and characterization of tumor antigens that can be targeted by e.g. vaccines or therapeutic antibodies. Based on our initial target discovery of potential tumor antigens in uveal melanoma, we are searching for a highly motivated PhD student who will generate novel insights into the biological function of identified cancer targets. The PhD student will collaborate in multi-disciplinary teams with other TRON units to plan, design and run experiments. Therefore we are looking as soon as possible for a

PhD student in Cell Biology (m/f/d)

DUTIES & RESPONSIBILITIES

- Generate and validate over-expression and/or knock-out cell lines
- Apply assays such as proliferation, cell death, tumor sphere/colony formation, migration and invasion assays *in vitro* to functionally characterize identified tumor antigens
- Identify and evaluate of signaling pathways involved in target-dependent biological function
- Perform *in vivo* studies to assess tumorigenesis, metastasis and treatment options
- Plan, implement, document and present research projects and experiments
- Writing of scientific publications

QUALIFICATION & EXPERIENCE

- Master's degree in biochemistry, cell biology, biomedicine or any related field
- Hands-on experience in handling of mammalian cells is expected
- A strong sense of responsibility for own working practice and high reliability is a must
- Any practical experience in cell biology assays (e.g., flow cytometry, proliferation, migration and invasion assays) is beneficial
- Hands-on experience in molecular biology techniques (CRISPR, NGS, PCR) and biochemical methods (Western blotting) same as any Experience with *in vivo* assays/tumor models and a FELASA B certificate would be a plus

A great interest in cell biology, immunology and tumor biology completes your profile.

If you are, above this, a self-starter who likes working in a dynamic start-up environment, moreover who is enthusiastic about the activities in a biopharmaceutical research institute and who is also thrilled by supporting the implementation of personalized medicine, you will enjoy your task as well as working at TRON. If you are additionally an enthusiastic team player with strong visual, verbal and written communication skills, you should not wait any longer to apply for this position.

We are looking forward to receiving your application.

Please submit your application documents (cover letter, CV, certificates) in one single document of max. 5 MB by email to the Human Resources team at TRON ([jobs \(at\) tron-mainz.de](mailto:jobs@tron-mainz.de)), reference "ExBio-PhD".

For further information, please visit our homepage www.tron-mainz.de.