TRON

PHD STUDENT (m/f/d)

Full time - Mainz

We are looking for support in our **Expression & cell biology unit** to start as soon as possible. Our team focus on the discovery, validation and characterization of tumor antigens that could 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 in vitro and in vivo.

Your tasks and 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 signaling pathways involved in target-dependent biological function
- Perform *in vivo* studies to assess tumorigenesis, metastasis and treatment options such as therapeutic antibodies
- Plan, implement, document and present research projects and experiments
- Writing of scientific publications

What you bring:

- A Master's degree in biochemistry, cell biology, biomedicine or any related field
- A 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 experience with in vivo assays/tumor models and a FELASA B certificate would be a plus
- Any practical experience in cell biology assays (e.g., flow cytometry, proliferation, migration and invasion

Enthusiasm and curiosity for the diverse activities of our research institute as well as the ability to work in a team completes your profile.

We offer:

- A dynamic, innovative and creative research environment
- An open, collegial and cordial working atmosphere in a respectful corporate culture
- A high degree of diversity in the workforce
- Flat hierarchies
- A performance-related remuneration and other benefits
- The opportunity for personalised further training
- Good transport connection by public transport and car as well as bicycle parking
- The opportunity for hybrid working on a daily basis

TRON is an internationally recognised institute for application-oriented research. We combine the strengths of academic research with the requirements of quality-controlled industrial developments. At TRON, we share a common mission to develop innovative solutions for the immunotherapeutic treatment of cancer, infectious diseases and other serious diseases with high medicinal need for development.

TRON was founded in Mainz in 2010 and works in close cooperation with universities and hospitals as well as with regional, national and international research institutions and pharmaceutical companies.

As part of our team, you have the opportunity to be at the forefront of translational science with us.

If all this appeals to you, we look forward to getting to know you.

Please send us your complete and informative application documents (cover letter, CV, references) in a single document of max. 5 MB by e-mail to Human Resources at **jobs (at) tron-mainz.de**, Job-ID: *51005-23-01-PHD*.

For more information, visit our homepage at www.tron-mainz.de