TRON

# *Experimental Biologist (m/f/d)*

*Full time - Mainz*

We are seeking an experimental biologist to support the development of next-generation RNA-based precision therapies. The work is part of a core project within curATime (*Cluster for Atherothrombosis and Individualized Medicine*; https://curatime.org/) a Clusters4Future initiative funded by the German Federal Ministry of Research, Technology and Space (BMFTR), integrating RNA technologies, artificial intelligence, and cardiovascular medicine. The position is based at TRON in the Department for Cardiovascular Therapeutics.

## Your tasks and responsibilities:

You will be responsbile for the functional characterization of novel programmable RNA switches (eToeholds) across cell-free, in vitro, and cardiovascular disease models, including mouse models of atherothrombosis and myocardial infarction. This includes design and execution of reporter assays, LNP-based mRNA transfection, flow cytometry and microscopy analyses, as well as tissue and expression analyses. This is a highly collaborative, team-based role in which you work closely with a computational biologist to jointly refine RNA structure designs based on experimental results for cell-specific expression of RNA. The resulting data continuously drive iterative optimization of RNA switch designs toward therapeutic translation.

## What you bring:

You hold a PhD in molecular biology, biochemistry, or a related field and have strong hands-on experience in RNA-based work, reporter assays, and cell culture. Experience with animal models is highly desirable as well as understanding of bioinformatics and RNA structure concepts, enabling effective communication across disciplines. We are looking for a strong experimental scientist who works with high precision, enjoys independent problem-solving, and has a strong interest in translational research at the interface of basic science and therapeutic development. Excellent written and verbal communication skills are required.

## We offer:

- A dynamic, innovative and collaborative research environment
- A diverse and international team
- Performance-related remuneration and additional benefits
- Opportunities for personalised training and development
- A subsidized public transport ticket (Deutschlandticket)
- Bike leasing (Businessbike)
- Hybrid working options

TRON is an internationally recognised institute for translational 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 and cardiovascular diseases and other serious diseases with high medicinal need.

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 will have the opportunity to work at the cutting edge of translational science.

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: 43602-01-26-WAPRO.

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