TRON

Biological Research Associate (m/f/d)

Full time - Mainz

We are looking for a highly motivated Research Associate to join our **Next Generation Sequencing (NGS)** unit as soon as possible. The successful candidate will support laboratory work related to NGS workflow for a wide range of multi-omics applications.

Our NGS team specializes in developing and implementing cutting-edge, sequencing-based technologies that inform cancer diagnostics and therapeutic strategies. With deep expertise in both short-read and long-read sequencing technologies, we are currently focused on liquid biopsy approaches—non-invasively characterizing patients' tumors via cell-free tumor DNA (ctDNA) circulating in the blood.

We utilize a broad array of manual and automated techniques, including genome/exome sequencing, hybrid capture sequencing, RNA sequencing, methylation sequencing, and ATAC sequencing, using platforms such as Illumina and Oxford Nanopore Technologies.

At TRON, our scientists benefit from a highly collaborative, interdisciplinary environment and work closely with colleagues across internal units as well as with external partners.

Your tasks and responsibilities:

- Perform a variety of molecular biology techniques, including nucleic acid extraction, quality control, and qPCR
- Prepare libraries for various NGS applications and operate NGS platforms (Illumina, Oxford Nanopore Technologies)
- Process clinical research samples in compliance with established standard operating procedures (SOPs)
- Independently coordinate and document laboratory experiments
- Contribute to the development, optimization, and validation of new protocols and methodologies
- Support general laboratory organization, including reagent procurement and maintenance of assigned instruments
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What you bring:

- Completed training as a Biological Technical Assistant (BTA), biological laboratory technician, bachelor's degree in a relevant field, or an equivalent qualification
- Proficiency in standard molecular biology techniques, such as DNA/RNA extraction and qPCR
- Hands-on experience with next-generation sequencing (NGS) library preparation and quantification
- Experience with liquid handling platforms such as Tecan, Beckman, or Hamilton is a plus
- Strong attention to detail and a commitment to accurate documentation
- Good communication skills in English, both written and spoken
- Confident use of MS Office applications

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
- Performance-related remuneration and other benefits
- The opportunity for personalised further training
- Good transport connections by public transport and car as well as bicycle parking spaces
- The opportunity for hybrid working

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 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: 42202-25-01-TA

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