



SINGLE CELL GENOMICS SCIENTIST (m/f/d)

Full time - Mainz

We are looking as soon as possible for support in our **Clinical Cancer Genomics unit**. The successful candidate will contribute to the development of immunotherapeutic treatments against cancer and other diseases by studying immune and cancer cells to understand disease, resistance and immunomodulatory mechanisms.

Your tasks and responsibilities:

- Conduct single cell RNA- and single cell TCR-sequencing experiments by using 10x Genomics platform and analyze heterogeneous cell populations
- Profile chromatin-accessibility via targeted bisulfite sequencing and perform single cell ATAC sequencing (10x Genomics) for epigenetic studies.
- Develop and evaluate new technologies and protocols for single cell analyses including cell culture, tissue dissociation, NGS library preparation and bioinformatics data analysis
- Plan, implement, document and present research projects and experiments
- Cooperate in multi-disciplinary teams with other TRON units like Cell culture, NGS and Bioinformatics and external collaborators to plan, design and run experiments
- Instruct lab technicians and students
- Apply findings in both R&D and clinical projects for biomarkers and immunotherapies with a direct impact on patient health care

What you bring:

- PhD degree in Biochemistry, Cell Biology, Biotechnology or related discipline
- Profound knowledge in molecular biology, cell biology, and immunology
- Expertise in tumour biology, cardiovascular or autoimmune diseases would be a plus
- Experience in molecular methods such as NGS and quantitative PCR is required
- Practice in single cell sequencing, epigenetics and mammalian cell culture is beneficial
- Knowledge of standardized processes and documentation (SOPs) as well as the creation and maintenance of Quality management/assurance documentation is expected
- Any experience with widely used programming languages (R, Python etc.) would be of advantage
- Strong visual, verbal, and written communication skills as well as strong sense of responsibility and high reliability are essential

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
- An excellent transport connections by public transport and car, parking spaces, secure bicycle parking
- The opportunity for hybrid working

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 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: 51012-23-01-WAPRO.

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