

## **Job vacancy for engaged people with enthusiasm for biomedical research!**

TRON gGmbH – Translational Oncology at the Medical Center of the University Mainz – is a growing biopharmaceutical non-profit organization developing highly innovative technologies to address unmet medical needs in the field of cancer diagnostics and therapeutics. TRON is located in Mainz, Germany and is strongly connected to national and international collaborators from both academia and pharma.

TRON has a proven track record in renowned journals and has published its findings in Nature for the last three years running ([2017](#), [2016](#), [2015](#)).

As a part of our team, you will have the opportunity to collaborate with talented and dedicated colleagues, develop and expand your career and be on the cutting-edge of translational science to improve patients' lives.

TRON is expanding its multidisciplinary Bioinformatics Unit with exceptional experience in development of innovative solutions for cancer immunotherapies. To enlarge our technological knowledge and expertise, we are searching for a

### **Bioinformatics scientist NGS / cancer biology (m/f)**

to become a member of our Computational Medicine team.

#### **DUTIES AND RESPONSIBILITIES**

- Next gen sequencing is old news – we need your help to set up the future e.g. single cell sequencing and nanopore sequencing
- Analyze and interpret high-throughput DNA and RNA data from TRON's high throughput profiling platforms, including Illumina's NovaSeq, HiSeq, MiSeq and Fluidigm's Biomark with a focus on the functional analysis of the results
- Use big data (TCGA, ICGC, GTEx) and state of the art statistics (artificial intelligence, deep learning) to model relevant relationships in clinical cancer immunobiology
- Design, implement and apply analysis pipelines
- Keep tight interactions with genomics, molecular biology, immunology and clinical teams
- Apply findings in both R&D and clinical projects for biomarkers and immunotherapies with a direct impact on patient health care

#### **EXPERIENCE & QUALIFICATIONS**

- Demonstrated proficiency analyzing with large cancer 'omic datasets
- Extensive experience with data analysis and interpretation tools (e.g., bwa, STAR, Kallisto, Salmon, GATK, GSEA, pathway enrichment)
- Programming experience, preferably in R and Python
- Experience in working within a Linux HPC environment
- Excellent data visualization and communication skills
- Deep understanding of medical, therapeutic, and biological human cancer processes
- Enthusiastic team player and self-starter who works effectively in an agile start-up environment

Preferred experience

- PhD with extensive experience in bioinformatics or related field

We look forward to receiving your application.

Please send your application documents (max. 2 MB) by email to the attention of Sandra Nauth to [jobs \(at\) tron-mainz.de](mailto:jobs(at)tron-mainz.de), reference 'BFX scientist'.

For further information please visit our homepage [www.tron-mainz.de](http://www.tron-mainz.de)