TRON

Bioinformatics Data Analyst (m/f/d)

Full time - Mainz

We seek for a passionate **Bioinformatics Data Analyst (m/f/d)** to support the analysis of complex biological data in our **Systems Immunology & Medicine** unit. We are an interdisciplinary team of scientists, PhD students, and software engineers passionate about developing bioinformatics tools and predictive models for therapeutic targets against cancer and other diseases. In close collaboration with other teams at TRON, as well as with external partners, we apply our computational approaches and models to progressively improve the efficacy of immunotherapies, in particular cancer immunotherapies.

The successful candidate will analyze multi-omics data, such as high-throughput sequencing data from cancer patients, with innovative internally developed and publicly available software solutions and support the analysis of the resulting data using statistical and machine learning methods.

Your tasks and responsibilities:

- Process and analyze internal and publically available genomic, transcriptomic and proteomics data using innovative software solutions
- Support PhD students, engineers and scientists in multiple projects with reproducible and best practices bioinformatic data analysis
- Support the benchmarking and systematical testing of internal and public detection pipelines with experimental confirmation data
- Contribute to the development of innovative data analysis solutions
- Critically evaluate analysis results, present and discuss these in internal meetings and contribute to R&D reports and publications

What you bring:

- A M.S.c degree in (Bio-)Informatics, Computer Science or a comparable study program
- At least two years of work experience in bioinformatic data analysis
- Strong expertise in reproducible bioinformatics data analysis in Python or R
- Experience analyzing next-generation sequencing (NGS) data
- Hands-on expertise with version control systems (e.g., git), workflow managers (e.g., Nextflow or Snakemake), and high-performance computing environments
- Proficiency in data visualization and interpretation
- Experience with data analysis of mass spectrometry-based proteomics and immunopeptidomics is a plus
- Comfortable working in a dynamic and evolving environment

We offer:

- A dynamic, innovative, and creative research environment with strong expertise in immunotherapies
- An open, collegial, and supportive working atmosphere in a respectful organizational culture
- A highly diverse and inclusive workforce

- Access to our GPU-accelerated HPC cluster and laboratories with cutting-edge sequencing technologies and molecular assays
- Performance-based remuneration and other benefits
- Opportunities for personalized professional development
- Convenient access via public transport and car as well as bicycle parking spaces
- The possibility of hybrid working arrangements

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: **43103-25-02-WAMSC**.

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