



COMPUTATIONAL SCIENTIST STRUCTURAL IMMUNOLOGY (m/f/d)

Full time - Mainz

We are looking for committed people with enthusiasm for biomedical research!

TRON is a non-university, biopharmaceutical research institute in the legal form of a non-profit organization. The company's aim is to develop highly innovative technologies to address medical needs in the fields of cancer diagnostics and therapeutics. TRON was founded in Mainz in 2010 and works actually in close cooperation with universities and clinics as well as with regional, national and international research institutions and companies in the pharmaceutical industry.

As part of our team, you will have the opportunity to work with talented and dedicated colleagues, to develop and expand your professional experience, and to be at the cutting-edge of translational science to improve patient lives.

The TRON bioinformatics team is specialized on immunogenomics and has a strong track record of developing computational methods for the detection and evaluation of neoantigens for use in innovative immunotherapeutics. We are planning to develop further our method spectrum and software pipeline by the inclusion of structural modelling of the relevant molecules. For this reason we are looking as soon as possible for support by a

Computational Scientist in Structural Immunology (m/w/d)

DUTIES & RESPONSIBILITIES

- Research, develop and test computational methods for the modelling of MHC-peptide-TCR interactions
- Supervise research projects that support research on neoantigens for diagnostic and therapeutic use
- Plan and design confirmation experiments
- Train and supervise PhD students

QUALIFICATION & EXPERIENCE

- PhD in computational biology, biology, immunology or computer science or related field
- Track record in structural biology
- Knowledge of modelling tools (e.g. Rosetta, Schroedinger, MOE) and scripting languages
- Experience with HPC systems and machine learning

Any experience in T cell immunology and/or hands-on experience in structure determination methods (crystallography, NMR etc.) would be a plus and finally strong skills in verbal, written and visual communication would complete your profile.

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If you are an enthusiastic team player who likes working in a dynamic start-up environment, moreover who is enthusiastic about the activities in a biopharmaceutical research institute and who is also thrilled by supporting the implementation of personalized medicine, you will feel home at TRON as well as within your task and you should not wait any longer to apply for this position.

We offer you a collegial and cordial working atmosphere in a respectful corporate culture with flat hierarchies and open communication. At TRON you will have the opportunity to actively participate in the development of creative solutions to complex and varied challenges and to carry out demanding activities at the interface between research and application; last but not least you will have the chance to develop yourself continuously.

We are looking forward to get to know you.

Please send your application documents (cover letter, CV, certificates) by email in one single document of max. 5 MB to the Human Resources Team of TRON: jobs (at) tron-mainz.de, reference "WA CompStrucImmu".

For further information, please visit our homepage www.tron-mainz.de, TRON gGmbH.