



STUDENT ASSISTANT (M/F/D)

NeoFoxteam - Mainz

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 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.

Our team developed NeoFox (NEOantigen Feature toolBOX) (<https://doi.org/10.1093/bioinformatics/btab344>) which is a python package to annotate neoantigen candidates with various neoantigen features such as MHC binding or self-similarity. These features are used to prioritize neoantigen candidates for their likelihood to elicit T-cell responses. NeoFox is used within several TRON-internal projects to annotate predicted neoantigen candidates from human or mouse. Based on NeoFox annotations, neoantigen candidates are selected for immunogenicity screening. Currently, the NeoFox results are not easy accessible to end users without programming knowledge. For this reason, we are looking for a student assistant to support the NeoFox team for flexible working hours of one to two days per week in marginal employment as soon as possible.

DUTIES & RESPONSIBILITIES

- Developing a NeoFox output format optimized for end users without programming knowledge
- Supporting the team with maintenance of NeoFox
- Testing and implementation of new neoantigen features

QUALIFICATION & EXPERIENCE

- Studies in bioinformatics, computer science or related field
- Proficient in programming in Python
- Highly proficient in spoken and written English

If you are a committed, flexible and structured team player who is enthusiastic about the activities in a biopharmaceutical research institute and enjoys application-oriented research, that utilizes scientific knowledge beyond publication for clinical translation, you should not hesitate in providing your application.

We are looking forward to meet 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@tron-mainz.de, reference "Aushilfe NeoFox".

For further information, please visit our homepage <http://www.tron-mainz.de>, TRON gGmbH.