TRON



Scientist Human T Cell Immunology (m/f/d)

Full time - Mainz

We are looking for support in our Immunomodulation unit to start as soon as possible. The successful candidate has the objective to be involved in novel antigen discovery project, potentially TCR deorphanisation, providing a bridge between bioinformatic prediction and wet lab validation, design, plan and analyse complex immunological assays, coordinating technical personnel in execution of experiments.

Your tasks and responsibilities:

- Design, planning, execution, and scientific interpretation of complex *in vitro* preclinical immunology studies, including:
    - Primary human T cell *in vitro* priming
    - Antigen re-stimulation of primary patient samples (re-call stimulation)
    - Immunological assays such as ELISpot/FluoroSpot and multicolor flow cytometric analyses, functional T cell profiling, cytotoxicity assays
    - TCR construct design
- Plan and coordinate *in vivo* immunogenicity screening and xenograft studies
- Establish, optimize, and standardize new immunological methods and assay platforms, including evaluation of emerging technologies for instance high-throughput antigen-discovery or CRISPR screens
- Independent analysis and interpretation of experimental data, including integration of multi-parameter immunological readouts
- Documentation, reporting, and communication of experimental results in compliance with internal standards and regulatory guidelines
- Manuscript and grant writing
- Contribute to cross-functional project success in close collaboration with bioinformaticians, immunologists, and other collaborateurs

What you bring:

- Completed degree in biology or a related discipline; PhD in a relevant field such as human T cell immunology or T cell-based cancer immunotherapy, vaccinology
- Strong expertise in human T cell in vitro assays, including T cell in vitro priming or recall stimulation; experience with human T cell expansion and genetic modification is highly desirable
- Experience with patient-derived xenograft (PDX) models and adoptive cell transfer is an advantage
- Strong expertise in screenin literature and integrating new discoveries
- Excellent communication skills and ability to work in interdisciplinary teams
- Very good command of English (written and spoken)

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
- Job ticket (Deutschlandticket) incl. employer allowance
- Bike leasing (Businessbike)
- Wellhub
- The opportunity for hybrid working

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 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: 43501-26-01-SCI**

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