



Scientist – Preclinical Tumor Immunology
T Cell Biology (m/f/d)
Full time - Mainz

We are looking as soon as possible for a scientist to support our **Vaccine and Cellular Immunotherapy unit**. The successful candidate will work with preclinical human and mouse tumor models to develop innovative cancer immunotherapies with a strong focus on T cell biology.

Our research interests include the characterization of tumor-infiltrating T cells after intervention with cancer vaccines and other immunological and non-immunological cancer therapies. Our multidisciplinary team is responsible for a large variety of different immunotherapy projects within TRON and with external collaborators. Methodologically, we primarily focus on *in vivo* therapeutic efficacy, flow cytometry analysis of cancer and immune cells within the tumor microenvironment, T cell specificity (ELISpot) and cytotoxicity assays (XCelligence, Incucyte).

Your tasks and responsibilities:

- Exploring and improving new innovative immunotherapies in the field of cancer immunotherapy (e.g. cancer vaccines or monoclonal antibody treatment.)
- Planning, execution and analysis of preclinical mouse experiments including documentation according to official and internal guidelines
- Planning and conducting of immunological T cell assays based on multicolor flow cytometry (16+ colors), Incucyte/Xcelligence and ELISpot
- Establishment and standardization of new methods
- Writing of animal protocols, publications, study reports and grant applications
- Contribution to tasks of general lab organization

What you bring:

- A PhD in cancer immunology, vaccinology, biomedicine, biotechnology, biochemistry or related disciplines
- Experience in tumor immunology, immunology, cancer, cancer vaccines, T cell assays and related fields
- FELASA function A (former FELASA category B), FELASA C or similar qualification
- Practical experience in conducting animal experiments is a must, ideally with preclinical tumor models and immunotherapies
- Experience in multicolor flow cytometry, ELISpot, cytotoxicity and metabolic assays
- An independent and conscientious way of working with high reliability
- Excellent verbal and written communication skills in German or English

An independent, well-structured and organized working method with good time management completes your profile. If you are highly interested in applied, translational research and able to work in an international, interdisciplinary research team, as well as if you are able to offer independent research work with project development proposals, you will feel happy at our research institute.

We offer:

- A dynamic, innovative and creative research environment with strong link to clinical translational projects
- An international, open, collegial and cordial working atmosphere in a respectful corporate culture
- The opportunity for personalised further training
- A high degree of diversity in the workforce
- Flat hierarchies
- A performance-related remuneration and other benefits
- Good transport connections by public transport and car as well as bicycle parking spaces
- 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 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: 43502-25-02-WAPRO.

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