

PhD position in cancer immunotherapy – CAR NK cells

The research group “**Experimental Transfusion Medicine**” at Faculty of Medicine Carl Gustav Carus, Technische Universität Dresden (head: **Prof. Dr. med. Torsten Tonn**) is seeking for talented and highly motivated PhD student.

Starting as soon as possible. The position is initially limited to 3 years.

Research focus:

CAR NK cells have proven efficacy against a variety of tumors. However, some cancer cells develop resistance against NK cell cytotoxicity leading to limited responses. This project will investigate the tumor escape mechanisms leading to treatment-resistant disease progression.

Your role:

- For your PhD thesis you investigate the tumor escape mechanisms that may occur during NK cell or CAR NK cell immunotherapy.
- Among other methods you analyze NK cells and tumor cells using multi-parameter flow cytometry, modern cytotoxicity methods, live cell imaging, utilize CRISPR-Cas technology, apply next-generation sequencing.
- You do research under supervision of senior scientist and you benefit from our strong collaborative culture.
- You perform your experiments and documentation independently.
- You are encouraged to come with new ideas and shape your project.
- On a regular basis you thoroughly record your results and prepare project reports, which you present at internal group meetings.
- You are expected to publish your results in high-impact peer-reviewed scientific journals.

Your profile:

- You have a master’s degree in Biology (or related) with excellent grades and a strong knowledge of immunology and tumor biology.
- Ideally you already had scientific experiences in the field of tumor immunology and with the techniques and methodologies including cell culture, cell biology, flow cytometry, molecular biology and microscopic analysis.
- Computational data analysis (especially R language) is beneficial.
- Solving biomedical questions sparks your interest, you bring a very good general scientific and technical understanding.
- You naturally show a diligent and focused work habit, you are efficient and goal-oriented.
- You demonstrate ample communication and collaboration skills and you display a talent for creative solutions.
- You are proficient in spoken and written English.

We offer:

- A modern workplace and exciting opportunities in the development of technologies with a secure future.
- Pleasant working atmosphere.
- Cross-border intercultural cooperation and short communication channels.
- Flexible working hours enable time management on your own terms.

Please send your application documents (cover letter, CV including photo, certificates including examination grades, two letters of recommendation) until **6th December 2019** in one PDF document by email to: Dr. Jiri Eitler: j.eitler@blutspende.de.