

Starting as soon as possible, the research group “Experimental Transfusion Medicine” at DRK blood donation service centre (head: Prof. Dr. med. Torsten Tonn) is seeking for a highly motivated and technically skilled

PhD student (f/m/x)

initially limited to 3 years.

Topic: Blood farming - Immortalization of hematopoietic stem and precursor cells for large scale production of mature blood cells

Generation of universal blood would have very high impact on blood transfusion and patient care, since it could be benefit in particular for patients with very rare blood group constellations and developing regions of the world with inadequate blood.

The successful candidate will help to generate immortalized cell lines from hematopoietic stem and precursor cells. Cells will be generated by transduction of oncogenes using an antibiotic inducible lentiviral vector system and further characterized using cell biological, molecular biological (among others CRISPR/Cas, qPCR) and biochemical methods (Flow cytometry, Western Blot).

Your Profile:

- Applicants must hold a MSc or equivalent in the field of biology, chemistry or a related discipline
- Excellent knowledge and practical experience in experimental techniques covering cell and molecular biology and protein biochemistry
- Good knowledge and practice with MS Office programs (Word, Excel, Power Point)
- Ability to work independently, efficiently and goal-oriented
- good knowledge of the English language
- Enthusiasm, social and communication skills

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, certificates including examination grades, two letters of recommendation) until 6th December 2019 in one PDF document by email to **r.kronstein@blutspende.de**