

Postdoctoral Scientist for Stem Cell Research



In the research group '**Inflammatory Stress in Stem Cells**', run by **Dr. Marieke Essers**, we are focusing on understanding the link between inflammation and the hematopoietic stem cell (HSC) compartment. Investigating the effect of stress-induced pro-inflammatory cytokines on HSCs and their niche will allow us to better understand what the mechanisms are by which HSCs are reassuring the successful restoration of the blood system and how HSCs are protected from pathogenic insults.

We are looking for a **highly motivated Post-doc** with a strong interest in **stem cells** and **cancer biology**. The successful candidate will work on investigating the role of IFN signaling in **hematopoietic and leukemic stem cells** under homeostasis and during disease progression by using a panel of different transgenic mouse models, combined with flow cytometry and transcriptional profiling at the population and single cell level. The aim of the project is to generate important new insights in the role of IFN signaling in the hematopoietic system during homeostasis as well as during malignant transformation and disease progression.

Required educational background and experience

Applicants should hold a PhD or equivalent in biology, biochemistry or a related field, and have published in international peer-reviewed journals. The ideal candidate has expertise in molecular and cellular biology, with a special focus on stem cell biology and should have experience with animal handling and experimentation (mouse). The candidate is highly self-motivated, and able to pursue research projects independently. Excellent communication skills and proficiency in English are mandatory.

The position is limited for two years.

For more information on the lab visit <http://www.hi-stem.de/research-essers>.

The Stem Cell Institute

HI-STEM gGmbH is a non-profit public-private partnership between the German Cancer Research Center (DKFZ) in Heidelberg and the Dietmar Hopp Foundation.

HI-STEM performs cutting-edge research on stem cells with the aim of translating these results into novel clinical applications. This includes the development of novel diagnostic tools and innovative therapies to monitor and target leukemic and solid tumor stem cells as well as metastatic disease.

Contact

Please send your application with CV and reference letters by email to:

Dr. Marieke Essers

marieke.essers@hi-stem.de

HI-STEM gGmbH

Im Neuenheimer Feld 280

69120 Heidelberg

Phone: 06221 – 42 3901

www.hi-stem.de



HI-STEM

HEIDELBERG INSTITUTE
FOR STEM CELL TECHNOLOGY
AND EXPERIMENTAL MEDICINE