



2 PhD positions funded by the European Research Council (ERC), to study the role of the bone marrow microenvironment in human leukemia.

2 PhD positions are available in the laboratory of Dr. Hind Medyouf at the Institute for Tumor Biology and Experimental Therapy, Georg-Speyer-Haus, (Frankfurt, Germany) to study the role of the microenvironment in various types of hematological malignancies. (Medyouf, Cell Stem cell, 2014; Medyouf, JEM 2011; Medyouf, Blood 2010; Medyouf, Nat Med, 2007).

We are looking for highly motivated candidates with a master degree in life sciences and a strong interest in translational research and cancer therapeutics. **Students with background in bioinformatics and/or hands on experience with confocal imaging are highly encouraged to apply.**

Projects

The Projects are focused on the molecular and cellular-cross talk at play between different cellular components in the bone marrow, during disease development, progression and treatment resistance.

The projects offer the unique opportunity to use state-of-the-art wet lab (e.g. CRISPR/Cas) and dry lab tools (e.g. Next generations sequencing and bioinformatics) to mechanistically dissect the complex biological mechanisms involved in leukemogenesis and treatment resistance. Experimental models include *ex-vivo* co-culture systems, genetic mouse models as well as primary patient material/patient-derived xenografts.

What we offer

As part of the German Cancer Consortium, the candidates will benefit from access to top-notch technological platforms available at the Georg-Speyer-Haus and the German Cancer Research Centre, DKFZ, Heidelberg as well as an outstanding scientific environment that supports young researchers in developing their own research ideas, thus promoting career development.

The institute is located in the heart of Frankfurt providing a very stimulating, friendly and international environment. The working language is English.

Please send your CV, and a short statement as to your motivation to join our team to medyouf@gsh.uni-frankfurt.de

Deadline for applications: March 31th, 2016