



Hannover Medical School

The Hannover Medical School, Department of Human Genetics (head: Prof. Schlegelberger/ co-head: Prof. Illig) is seeking applications for

Postdoctoral Research Positions (scientist)

as support in our research projects on genomic, transcriptomic and epigenomic alterations in childhood cancers. The successful applicant will be working on the analysis and evaluation of large genetic, epigenetic and clinical data sets for the investigation of the epigenomic mechanisms underlying dysregulations in childhood cancer. This position includes, but is not limited to, establishing novel molecular techniques in the lab, identifying functionally relevant differentially methylated regions and associated genes, and the integration of research results with clinical data. Moreover, wet-lab work will be complemented by the application and integration of *in silico* tools to predict pathogenicity of identified genetic variants and their molecular modelling. You will be part of a highly motivated multidisciplinary research team of clinicians and scientists working on the clinical translation "from bench to bedside".

The position is part of the DFG-funded project and scientific network "The epigenomic landscape of childhood leukemia".

Your profile:

- University Degree (PhD in Biochemistry, Biology, Molecular Medicine, Bioinformatics, Bio-Mathematics or a related discipline).
- Strong background in molecular biology
- Experience in next-generation-sequencing application and analysis
- Experience in establishing novel molecular methods
- Highly motivated, reliable, ability to work independently
- Very good written and oral English and German
- Programming skills are highly welcome (e.g.C,C++,Python,Perl,R)

What we offer:

- A dynamic and multidisciplinary research group and campus with productive collaborations and many opportunities to broaden your professional skills
- Opportunity to establish your own career path

- Lab exchange opportunities national and international
- Flexible working hours, a family-friendly working environment, top-notch facilities and experimental support
- Excellent employee benefits including sports and healthcare workshops, attractive occupational pension, subsidized canteen etc.

Employer:

The Department of Human Genetics at Hannover Medical School (MHH) is one of the top-performing institutes in genetic counselling and genetic diagnostics in Germany, primarily focusing on tumor genetics. The institute is nationally leading in tumor genetic diagnostics of leukemia and serves as reference laboratory for GPOH studies on childhood ALL, AML, CML and for the EWOG-MDS study group.

Research projects of the department are integrated in national and international consortia and focus primarily on mechanisms of leukemogenesis as well as hereditary cancers.

The position is originally limited to 2 years with the possibility of extension. Part-time working is possible. Compensation will be according to the Collective Agreement for Federal States (TV-L), depending on qualification and experience. For further questions please contact Anke Bergmann, MD (Bergmann.anke@mh-hannover.de)

Please send your application to Schlegelberger.Office@mh-hannover.de