



**Department:** Georg-Speyer-Haus, Institute for Tumor Biology and Experimental Therapy

**Title:** **Drug screening platform for colon cancer organoid biobank and 3D tumor-stroma models (Post-doc)**

The DKTK/DKFZ Research Group lead by Dr. Henner Farin at the Georg-Speyer-Haus (Frankfurt) is inviting applications for a motivated researcher to study patient-specific drug responses in colon cancer. The project builds up on concerted efforts at Georg-Speyer-Haus and the University Cancer Center (UCT) Frankfurt, where a living biobank of tumor organoids has been established and characterized by whole exome and transcriptome sequencing.

**Project description:**

We are searching for a highly motivated post-doctoral fellow for a project that is funded by the Frankfurt Cancer Institute for 1 year with option for extension. The researcher will be responsible for setting up a semi-automated drug screening platform to characterize established colon cancer organoids. 3D co-culture models with primary fibroblasts will be performed to study drug resistance mechanisms. The researcher will develop assays, analyze and integrate data generated at the Genomics & Proteomics Core Facility at the DKFZ in Heidelberg and manage the collaboration with local, national and international partners. We offer a highly innovative project and intensive training in a dynamic, international research team.

**Your profile:**

Requirements are a PhD degree and previous experience in pharmacology and/or tumor biology. Expertise in mammalian cell culture (stem cells/ 3D cultures/ primary cells) is mandatory, and interest in bioinformatics (R programming), and a theoretical background in genome, transcriptome and/or proteome analysis are highly desired. Successful candidates should be well-organized, have a goal-oriented work attitude and team working skills. To apply please send an email with your motivation letter, CV, and references/publications demonstrating your previous experience in the above methodologies until: December 1st 2018 to: [h.farin@dkfz-heidelberg.de](mailto:h.farin@dkfz-heidelberg.de)

**Type of contract:**

1 year, with possibility of extension (E13/100%)

**Starting date:**

From January 1<sup>st</sup>, 2019

**Contact:**

Dr. rer. nat. Henner Farin  
Georg-Speyer-Haus  
Institute for Tumor Biology and Experimental Therapy  
Paul-Ehrlich-Str. 42-44  
60596 Frankfurt, Germany  
+49-69-63395-520  
[h.farin@dkfz-heidelberg.de](mailto:h.farin@dkfz-heidelberg.de)

**Further information:**

<http://www.georg-speyer-haus.de/en/research/research-groups/farin/research.html>  
<http://www.dktk-dkfz.de/en/sites/frankfurt-mainz>