

The German Cancer Research Center (DKFZ) is seeking for the **partner site Dresden of the National Center for Tumor Diseases (NCT)** a

Postdoc

(Ref-No. 054/2018)

The German Cancer Research Center is committed to increase the percentage of female scientists and encourages female applicants to apply.

Among candidates of equal aptitude and qualifications, a person with disabilities will be given preference.

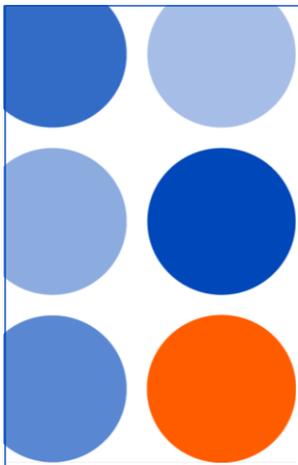
To apply for a position please use our online application portal (www.dkfz.de/jobs).

We ask for your understanding that we cannot return application documents that are sent to us by post (Deutsches Krebsforschungszentrum, Personalabteilung, Im Neuenheimer Feld 280, 69120 Heidelberg) and that we do not accept applications submitted via email. We apologize for any inconvenience this may cause.

Description:

The department „Translational Medical Oncology“ of the German Cancer Research Center (DKFZ) at the National Center for Tumor diseases (NCT) Dresden focuses on the functional and molecular characterization of malignant cell regulation and metastasis formation. We have established and extensively characterized biobanks of patient-derived in vivo and in vitro cancer models and investigated clonal dynamics and regulation of tumor-initiating cell (TIC) activity in gastrointestinal cancers (e.g. Cell Stem cell 2011; Cancer Letters 2016; EMBO Mol Med 2017; IJC 2017; JEM 2017; Nature Genetics 2017). For specific targeting of TIC activity, we have evaluated the impact of novel therapeutic approaches on primary patient derived tumor models. Global insertional mutagenesis gene activation and pooled shRNA knock down screens allowed identification of candidate genes potentially critical for proliferation, tumor and metastasis formation. In addition, the department drives a precision oncology program for genomic analysis of patient cancers as a basis for interventional clinical trials (NCT MASTER). This program has demonstrated that whole-exome/genome and RNA sequencing in a clinical setting provides relevant diagnostic information and creates opportunities for pharmacologic intervention.

We are looking for a highly motivated postdoctoral fellow with significant experience in cell and molecular biology as well as cancer research. The successful candidate will contribute to establishing individualized oncology at the NCT Dresden. The MASTER workflow provides comprehensive analysis of individual tumors' structural exome and transcriptome alterations and provides a basis for identifying, understanding and targeting of patient-specific vulnerabilities in personalized cancer models. Supplementing descriptive genetic information with mechanistic testing of functional and therapeutic consequences in appropriate individualized cancer models will be essential to support clinical interpretation towards innovative approaches of diagnosing, classifying and treating cancer.



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Your profile:

Applicants should hold a PhD degree in biology/life sciences with an excellent background in cellular and molecular biology as well as cancer biology, or closely related fields. The applicants should be highly self-motivated and be able to pursue and drive research projects independently as well as in collaborations. An excellent written and oral command of English is essential. Applications should include a CV, cover letter, certificates, expected availability date, a complete list of publications and 2-3 references.

Duration:

The position is initially limited to 2 years.

Contact:

Dr. Heidrun Groß, phone +49 351 458 5239.

Application Deadline:

April 4, 2018

The position can in principle be part-time.