

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

Postdoc in Cancer Biology / Molecular Biology / Biochemistry

(Kennziffer 2021-0360)

The DKFZ is committed to increase the proportion of women in all areas and positions in which women are underrepresented. Qualified female applicants are therefore particularly encouraged 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 (<https://www.dkfz.de/de/stellenangebote/index.php>).

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.

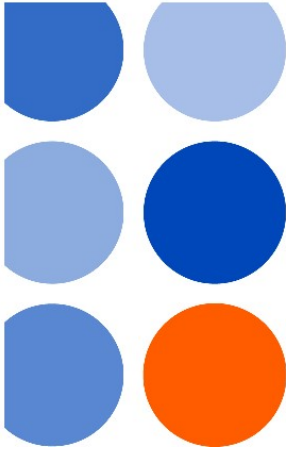
The German Cancer Research Center is the largest biomedical research institution in Germany. With more than 3,000 employees, we operate an extensive scientific program in the field of cancer research.

The National Center of Tumor Diseases (NCT) Dresden is a joint institution of the German Cancer Research Center, the University Hospital Carl Gustav Carus Dresden, the Faculty of Medicine at TU Dresden, and the Helmholtz-Zentrum Dresden-Rossendorf (HZDR). The NCT with sites in Heidelberg and Dresden is the leading oncological center in Germany and shall be expanded to an international center of excellence regarding point-of-care and individualized cancer medicine.

Job description:

The department „Translational Medical Oncology“ of the German Cancer Research Center (DKFZ) at the National Center for Tumor Diseases Dresden (NCT/UCC) and the “Translational Functional Cancer Genomics” group of the DKFZ at the NCT Heidelberg, headed by Prof. Hanno Glimm, focus on the functional and molecular characterization of malignant cell regulation and metastasis formation. We utilized our extensively characterized biobanks of patient-derived *in vivo* and *in vitro* cancer models to assess clonal dynamics and regulation of tumor-initiating cell (TIC) activity in human cancers. Based on further mechanistic understanding of how TIC activity is regulated strategies are developed to eradicate cells with TIC activity in human cancer. In addition, the department drives a precision oncology program for genomic analysis of patient cancers as a basis for interventional clinical trials (NCT MASTER). To further inform personalized treatment recommendation, we recently implemented an additional functional layer of information by assessing the response of patient-derived tumor cells to personalized targeted treatment.

To further improve patient stratification and to gain novel insights into the functional relevance of novel alterations, we are looking for a highly motivated postdoctoral fellow. The successful candidate will develop additional layers of stratification strategies and investigate the role of intra-tumor heterogeneity in therapy response and resistance.



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Therefore, the candidate will lead the development and application of image and/or metabolism analyses and mechanistic investigation of intra-tumor heterogeneity. We expect this project to provide fundamental new insights into the role of intra-tumor heterogeneity in targeted therapy and to provide the basis for innovative novel strategies to overcome treatment resistance.

Your profile:

We are looking for a highly motivated postdoctoral fellow with excellent background and track record in cancer biology, molecular biology and/or biochemistry, other relevant fields, documented by publications in peer-reviewed journals. Knowledge/experience in state-of-the-art single-cell sequencing or imaging technologies or metabolomics is preferred but not required. The applicants should be highly self-motivated and experienced in pursuing and driving research projects independently as well as in teams. The position further requires the ability to communicate effectively with internal and external collaborators. Therefore, an excellent written and oral command of English is essential and organizational qualifications are an advantage. Postdocs will be supported by mentorship and encouraged to develop an own research profile.

Applications should include a CV, cover letter, degree certificates, expected availability date, a complete list of publications, and names and contact information of at least two references.

Contract period:

The position is limited to 2 years.

The position can in principle be part-time.

Contact:

Julia Dorok, Telefon 0351-4585527

Please note that we do not accept applications submitted via email.

Application deadline:

01.12.2021

