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/stellenaengebote/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 (DKFZ) is seeking for the partner site Dresden of the German Cancer Consortium (DKTK) a

PhD Student on the topic “Forward genetics approach to delineation of radioresistance marker genes”

(Kennziffer 2022-0091)

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.

Together with university partners at seven renowned partner sites, we have established the German Cancer Consortium (DKTK). For the partner site of DKTK Dresden the German Cancer Research Center is seeking a PhD student.

Job description:

- Establish a translational ex vivo model for studying resistance to radiotherapy
- Perform genomics and transcriptomics analysis in radioresistant ex vivo model
- Functional investigation of omics findings through CRISPR screening
- Validation of genes mediating radioresistance in an in vivo model
- Work in cooperation with clinicians, biostatisticians and genetic engineering experts

Your profile:

- Master degree in biology, biotechnology, biomedicine or related fields
- Familiarity with cancer biology, especially cancer genomics
- Expertise in mammalian cell culture, familiarity with 3D culture would be a bonus
- Basic skills in molecular biology techniques such as cloning, nucleic acid isolation, PCR, Western blot
- Familiarity with basic CRISPR techniques
- Willingness to learn how to analyze next generation sequencing data (R)
- Strong commitment and motivation to work independently
- Desire to perform in an international and dynamic team
- Fluency in spoken and written English
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**Contract period:**
The position is limited to 3 years.

**Important notice:**
The DKFZ is subject to the regulations of the Infection Protection Act (IfSG). As a consequence, only persons who present proof of immunity against measles as well as against COVID-19 may work at the DKFZ.

**Contact:**
Ms Karina Förster, Telefon +49(0)351/458-3095

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

**Application deadline:**
01.04.2022