

The German Cancer Research Center (DKFZ) is seeking for the partner site Dresden of the German Cancer Consortium (DKTK) for March 2017 a

PhD Student: normal tissue reaction following photon and proton irradiation

(Ref-No. 32/2017)

Description:

- Evaluation of acute and long term normal tissue effects following clinically relevant radiation with photons or protons in 3-D tissue slices (in vitro) and rodent models (in vivo)
- Analysis of the relative biological effectiveness in brain and lung tumor models
- Imaging of tumor and tissue alterations using small animal computed tomography (CT) and magnetic resonance imaging (MRI)
- Tumor and tissue analysis using laser dissection microscopy, histology, and omics-analysis
- Development of an irradiation set-up for tissue slices and establishment of a workflow at the proton facility

Your profile:

- Master/ Diploma in biology, biophysics, biochemistry, biotechnology, biomedicine or related fields
- Knowledge in tumor biology, tumorigenesis, tissue homeostasis desired
- Basic skills in mammalian cell culture and molecular biology techniques would be advantageous
- Willingness to work with animals (mice)
- Experience with in vivo techniques is a plus but no condition
- Affinity to find technique solutions
- Good communication, inter-personal and team working skills
- Fluency in English

Duration:

The position is limited until February 28, 2020.

The Translation Centre is located in the premises of the Radiation Oncology and Imaging, Translationale Radiooncology Dresden.

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.



Universitätsklinikum
Carl Gustav Carus



dkfz.

German Cancer Consortium
Partner site Dresden

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Contact:

Dr. Cläre von Neubeck, phone 0351 458 4573

Application Deadline:

February 20, 2017

