



**dkfz.**

German Cancer Consortium  
Partner site Dresden

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

## Postdoc in Biology and Bioinformatics

(Kennziffer 2022-0404)

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). At the partner site of DKTK Dresden we are offering a postdoc position.

### Job description:

The investigation of radiation-induced brain injury is one focus of our group "Translational Radiation Oncology" led by Prof. Mechthild Krause. The use of the experimental beam line at University Proton Therapy Dresden and an interdisciplinary research team are excellent prerequisites for this clinically relevant research. We are working at the interface of medicine, biology and physics using innovative bioinformatics and image analyses methods. For this purpose, we rely on an established network of vivid collaborations on our campus, e.g. with specialists for image analyses methods, modeling and machine learning approaches.

We search for a highly motivated postdoc to join our team. The successful candidate will work on:

- Highly relevant translational research questions within an interdisciplinary team of biologists, physicians and physicists
- Curation and analyses of MALDI-imaging data in combination with associated histology and medical imaging data to study causes and mechanisms of (proton) radiation induced brain injury
- Implementation, testing and deploying of state-of-the-art methods for co-registration of the mentioned multi-modal data sets
- Conception and performance of new innovative project ideas, including animal studies using precise proton radiation
- Grants writing and supervision of students

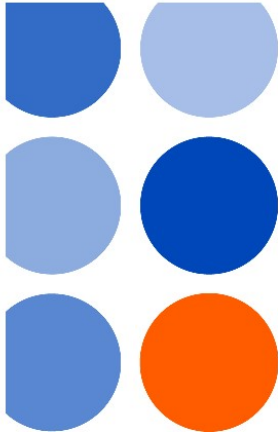
Successful candidates will find an open and interdisciplinary environment with the spirit of mutual support and have the possibility to develop their own profile.

*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.*



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### Your profile:

- PhD degree in biology, bioinformatics, biotechnology, biomedical engineering, biophysics, physics, computer science or related disciplines
- Experience in programming / image analyses / data processing and/or high-throughput data analysis within the FAIR principles
- Highly motivated to apply your own skills and expand your knowledge to develop innovative approaches for clinically relevant research questions
- Basic knowledge in radiation oncology and related disciplines, or a desire to learn more about it
- Willingness to work with animal models is a plus (respective qualifications are not mandatory and can be achieved)
- Team-oriented and reliable with interdisciplinary communication skills
- Independent and creative working and effective time management
- Excellent English language skills

### We offer:

- Interesting, versatile workplace
- International, attractive working environment
- Campus with modern state-of-the-art infrastructure
- Salary according to TV-L including social benefits
- Possibility to work part-time
- Flexible working hours
- Comprehensive further training program
- Access to the DKFZ International Postdoc Program

### Contract period:

The position is initially limited to 2 years with the possibility of prolongation.

The position can in principle be part-time.

### 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:

Karina Förster, Telefon +49(0)351/458-3095

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

### Application deadline:

06.12.2022

