



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

# PhD Student: Identification of imaging and molecular biomarkers in rectal carcinoma

(Ref.-No. 2018-0319)

## Your tasks:

- Identification and validation of novel biomarkers in patients with locally advanced rectal cancer
- Correlation and integration of imaging data with system biological analyses
- Application of a variety of imaging approaches and multi-layer omics analyses
- Application of modern machine-learning and deep-learning algorithms
- Pre-processing of imaging and molecular data

## Your profile:

- Master's diploma in bioinformatics, biomedicine, or related fields, passed with excellent final marks
- Excellent programming skills are mandatory
- Knowledge on tumor biology and image analysis is required
- Good communication and team working skills
- Motivation and discipline to carry out research independently
- English is to be spoken and written fluently

## Contract period:

The position is limited to 3 years.

## Remuneration:

Doctoral allowance

## Contact:

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

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

## Application deadline:

09.01.2019

*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](http://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.*

