The Division of Personalized Prevention and Early Detection of Prostate Cancer is seeking a

**Scientist**

*(Ref.-No. 2020-0182)*

At the DKFZ, the departments of Personalized Prevention and Early Detection of Prostate Cancer (Prof. Peter Albers) and Cancer Epidemiology (Prof. Rudolf Kaaks) are jointly performing large-scale multi-center trials for the evaluation of a new risk-based strategy for screening and early detection of prostate cancer. New risk-adapted strategies will be developed including epidemiological risk assessment tools as well as highly sophisticated genetic and radiological methods (e.g., multiplex DNA assays, multiparametric MRI, deep learning). One trial is BMBF-sponsored and will include a total of 1,500 study participants aged 50-75 who will be studied over a 6-years or longer observation period. This so-called PRIMA trial will start accrual in 2021 and forms a complement to the parallel, large-scale PROBASE study – a population-based trial of 50,000 men to evaluate the efficacy of a risk-stratified (PSA-based) protocol for general population screening. The PROBASE trial is fully sponsored by the German Cancer Aid and has finished accrual and participants will be followed over at least 10 more years. Both trials form the basis for future research in screening and early detection. Research at the DKFZ regarding prostate cancer risk assessment is organized as collaborative effort together with other core facilities and divisions like radiology, molecular genetics, health economics and infections and cancer epidemiology. We seek an applicant to start working at the division until end of 2020, preferably as early as possible.

**Job description:**

- Assist with the planning and monitoring the collection of follow-up observations in the PROBASE and PRIMA trials
- Correspondence to e.g. the four clinical study Centers of PROBASE in Germany (University Hospitals in Düsseldorf, Hannover, Heidelberg, and Munich) including collaboration with the scientific coordinators of the trials and adjunct reference radiologists and pathologists
- Develop scientific protocol amendments in both trials
- Perform statistical data analysis in PROBASE and PRIMA using the current database (JAVA-based ONKOSTAR© software) for studies on risk-stratified approaches for multimodal prostate cancer diagnosis
- Scientific development of the database for future analysis together with data scientists
- Set-up and analyze projects for testing complementary biomarkers (blood, urine, genetic, radiologic) for prostate cancer detection
- Write grant applications for studies in the abovementioned area
- In collaboration with PROBASE and PRIMA and other study investigators, prepare scientific manuscripts for refereed journals and other academic outputs

*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 ([https://www.dkfz.de/en/stellenangebote/index.php](https://www.dkfz.de/en/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.*
We offer...

- an inspiring scientific atmosphere in a collaborative environment based in two joined divisions of the DKFZ.
- all opportunities to develop an independent scientific career in one of the most renowned life science research institutions in Germany with world-wide recognition.
- direct collaboration with clinicians and epidemiologists in one of the largest programs for screening and early detection in prostate cancer.
- an initial two-year contract with opportunities for longer term employment depending on success and performance.
- personal support and mentoring in development of projects.

Your profile:

We need applicants...

- with university degree and a master in epidemiology, public health, or life sciences like biology or medicine and knowledge in biostatistics preferably with an additional background in clinical life sciences or biology.
- with in-depth knowledge of epidemiological study methods.
- with experience in the use of statistical software.
- with fluency in German and English in word and writing due to the needs to correspond to German study sites and investigators.
- with good skills in organization, cooperation and communication.

Contract period:

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

The position can in principle be part-time.

Contact:

Prof. Dr. Peter Albers, phone +49(0)6221/42-3046

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

Application Deadline:

07.08.2020