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/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.

The Division of Federated Information Systems is seeking a

Research Associate (Medical Informatics)

(Ref.-No. 2022-0447)

The Division of Federated Information Systems designs, develops and operates national and international IT infrastructures for the secure exchange of patient data, for example between university hospitals in the German Consortium for Translational Cancer Research (DKTK), biobanks of the BBMRI-ERIC and the German Biobank Node, the sites of the National Center for Tumor Diseases (NCT) or the Medical Informatics Initiative. As a bridging department between the DKFZ and the University Medical Center Mannheim, we support physicians and scientists in the transfer of novel therapies into real-world applications.

Job description:

- Pioneer new methods and concepts for the use of distributed data sets both within institutions and across institutional boundaries
- Create communication processes for the exchange of patient data, while observing nationally and internationally applicable standards, norms and guidelines
- Work on requirements together with future users of our federated IT solutions
- Create open source software for processing sensitive patient data and deploy it in national and international research networks
- Publish your results in publications and open source repositories and present them at scientific congresses and specialist conferences

To do this, you will work in a team of doctors, scientists and software developers. There, you will learn the necessary theory and translate it into software and usable systems. You will research and develop in cross-institutional collaborations in the areas of data integration, pseudonymization, distributed (database) systems, visualization, data analysis (including machine learning / artificial intelligence) and organizational frameworks (e.g., data protection). Prior knowledge in one or more of these areas is beneficial, but these skills can also be learned or developed as part of the job.

We develop with the technologies Java, Python, TypeScript (Angular), Clojure and Rust. Most of our code is published open-source under https://github.com/samply.

Your profile:

- Completed studies in computer science, bioinformatics, medical informatics or a comparable qualification
- Experience in developing web-based applications using common software technologies (see above), in modeling software architectures (e.g. UML) and in web protocols and paradigms (e.g. REST)
- Communicative team player with reliable written and spoken German and English skills
High level of motivation, ability to work independently, ability and willingness to pick up new informations and skills quickly; flexibility with regard to new tasks, methods and topics

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:
Prof. Dr. Martin Lablans, phone +49 (0)6221/42-5102
Please note that we do not accept applications submitted via email.

Application deadline:
31.12.2022