

The Division of **Medical Image Computing** is seeking a

## Medical Informatics Scientist

(Ref.-No. 2022-0270)

The Division of Medical Image Computing (MIC: <https://www.dkfz.de/en/mic/index.php>; [https://twitter.com/mic\\_dkfz](https://twitter.com/mic_dkfz)) pioneers research in machine learning and information processing, with the particular aim of improving cancer patient care by systematic image data analytics. Working in the highly dynamic and exciting area between AI, medical research, cloud technologies and state-of-the-art software development, we are seeking a motivated computer scientist or software engineer to join our team.

You will be part of an interdisciplinary and vibrant research team that is developing a diverse range of state-of-the-art methodologies and software components for the nation wide Radiological Cooperative Network (RACOON), part of the Network University Medicine (NUM). Within RACOON, the MIC team develops a technical infrastructure together with partners from academia and industry to enable federated AI research in radiology across all university hospitals in Germany.

Working in this project you have the opportunity to dive into medical image computing applications, federated machine learning mechanisms, cloud technologies and IT security topics.

### Job description:

- Join the design and software development team of our technology platform for RACOON and collaborate with researchers and physicians all over Germany
- Shape and create intelligent technologies to improve our distributed and federated platform for medical image analysis
- Investigate and develop concepts for research data exchange and integration within the clinical network using established standards like DICOM, FHIR, CDISC-ODM etc.
- Coordinate and harmonize technical concepts with other research platforms like NUM CODEX and the national medical informatics initiative (MI-I)
- Contribute to open source software in the field of medical image computing (e.g. Kaapana, MITK)
- Be involved in the publication and presentation of the project results as well as the planning, coordination and reporting of tasks

### Your profile:

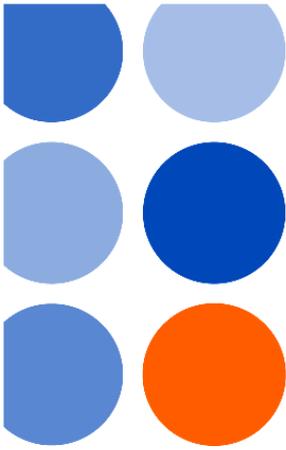
- Master's degree in medical informatics or a related scientific discipline (e.g. computer science, mathematics, physics or statistics)
- Analytical and software development skills accompanied with an interest in data standards from the medical research domain (e.g. DICOM, FHIR, etc.)
- Experience in at least one of the languages Python, C++, Java, Javascript or Bash
- Experiences in one or more fields like image computing, machine learning, high-performance computing or cloud technologies (i.e. Docker, Kubernetes, Airflow) are beneficial

*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/stellenaengebote/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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- Reliability, attention to detail and the ability to work in a multidisciplinary international team
- Excellent English communication skills, German is beneficial

Interested and qualified applicants should at least submit a cover letter with references, a CV and degrees and/or transcripts

#### **Contract period:**

The position is initially limited to 2 years.

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:**

Dr. Marco Nolden, phone +49 (0)6221/42-2325

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

#### **Application deadline:**

31.08.2022

