

With the founding of the Else Kröner Fresenius Center for Digital Health (EKFZ) at the Faculty of Medicine Carl Gustav Carus, Technische Universität Dresden (TUD) as one of Germany's universities of excellence, we develop a strategic focus at the interface of high tech and medicine. As part of the establishment of the center we announce the opening of a

## **Chair (W3) for Clinical Artificial Intelligence**

to be filled at the next possible date.

### **Background of the Denomination**

By establishing this chair, we would like to further develop the field of clinical use of artificial intelligence methods at TU Dresden and, as a central role in the EKFZ, will link the Faculty of Medicine and Faculty of computer Science in research, teaching and transfer.

### **Research Areas**

In particular, the chair will contribute to deepening the connection between medicine and computer science at TU Dresden. You will be at liberty to choose the methods of artificial intelligence you will use. With your research profile, you will address tangible, clinically relevant questions and make your own contributions to one or more of the following topics using artificial intelligence methods:

- gaining new insights into the pathomechanisms of diseases
- exploiting the linkage of molecular, clinical and imaging data
- Developing AI-based clinical recommendations for action and therapy support systems.

### **Scientific Environment and Embedding**

The position offers you an excellent environment within the EKFZ and on campus with use of state-of-the-art technologies and Big Data computing infrastructures. We offer you access to the medical informatics network MIRACUM, the Center for Scalable Data Analysis and Artificial Intelligence (ScaDS.AI), the DFG Cluster of Excellence "Centre for Tactile Internet with Human-in-the-Loop" (CeTI), the Center for Systems Biology Dresden (CSBD) and the "International Center for Computational Logic (ICCL)" and the National Center for Tumor Diseases (NCT/UCC) and expect you to work closely with this institutions. For more information, please visit <https://digitalhealth.tu-dresden.de/>. With the chair, we offer you a clinical connection open to all disciplines with the possibility of further developing your clinical profile on a part-time basis up to a senior medical position in the appropriate clinic. If you meet the requirements, we will be happy to support you.

### **Responsibilities in Research and Teaching**

You will comprehensively represent the field of clinical artificial intelligence in research and teaching, working closely with the Faculty of Computer Science and the School of Engineering Sciences. We are looking for a personality who can inspire our students for the subject area in German and English in the new study program "Medical Informatics", the study program "Biomedical Engineering" and the medical studies. We also look forward to your involvement in the academic self-administration.

### **Qualifications in Clinic, Research and Teaching**

You are a research personality internationally recognized in the above-mentioned research areas by excellent publications, with a completed degree in medicine, a license to practice medicine and above-average doctorate and you already have experience in the acquisition and management of research projects. Excellent teaching skills are a prerequisite as well as a habilitation or habilitation-equivalent achievements. In addition, you should, if possible, already have some experience in supervising PhD students. Applicants must fulfil the employment qualification requirements of § 58 of the Act of Autonomy of Institutions of Higher Education in the Free State of Saxony (SächsHSFG).



## Application

TU Dresden is committed to increasing the percentage of female scientists and encourages female applicants to apply. Applications from candidates with disabilities or those requiring additional support are very welcome. If you have any questions, please contact the head of the appointment committee, Prof. Jochen Hampe ([Jochen.hampe@uniklinikum-dresden.de](mailto:Jochen.hampe@uniklinikum-dresden.de)), the equal opportunities officer of the Faculty of Medicine, Dr. Valtink (0351-458-6124), or the representative of employees with disabilities, Ms. Vogelbusch (0351-458-3327).

TU Dresden understands diversity as culturally self-evident and a quality criterion of a university of excellence. Accordingly, we welcome all applicants who would like to commit themselves with their performance and personality to us and with us for the success of all. TU Dresden is strongly committed to the goal of a family-friendly university and offers a dual career service. The Faculty of Medicine also provides active support for childcare options as well as help in finding adequate jobs in the region for the candidate's partner.

Please submit your application **by August 2, 2021** to the **Dean of the Faculty of Medicine Carl Gustav Carus, Technische Universität Dresden, Prof. Dr. Heinz Reichmann, Fetscherstr. 74, 01307 Dresden**. Further details on the documents to be submitted can be found on the homepage of the Faculty of Medicine at [https://tu-dresden.de/med/mf/die-fakultaet/stellenangebote/hinweise?set\\_language=en](https://tu-dresden.de/med/mf/die-fakultaet/stellenangebote/hinweise?set_language=en)

**Reference to data protection:** Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: [https://tu-dresden.de/karriere/datenschutzhinweis?set\\_language=en](https://tu-dresden.de/karriere/datenschutzhinweis?set_language=en)

