



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

## Professorship (W3) for Electronic Tissue Technologies

to be filled as soon as possible as a joint appointment with the Leibniz-Institut für Polymerforschung Dresden e. V. (IPF).

Intelligent healthcare systems that blend with the human body will open new ways to monitor and treat chronic diseases. Some outstanding challenges to realize this vision are: How can we design devices that can be physically integrated with living matter and establish multi-modal (and bi-directional) interfaces to tissue? How can we create systems that are application- and patient-customized? How can we combine functional polymer materials, biology and electronics to develop advanced integrated systems?

We are looking for an innovative personality who seeks new answers to these questions through research and who initiates an active research agenda in this field. As a qualified candidate you appreciate that technological development of hardware depends on the collaboration of engineers, materials scientists and clinicians. You have an outstanding scientific track record and demonstrated interdisciplinary collaboration in this field that enables you to successfully meet these challenges.

As chair you will head an interdisciplinary research team to be jointly established at the Faculty of Medicine/EKFZ and the IPF/Max Bergmann Center of Biomaterials. You will also participate in innovative teaching formats in the Medical School and in biomaterials/biomedical engineering. We also expect your willingness and ability to teach courses in English and welcome your engagement in academic self-administration. On the international TUD campus, proficiency in German is not a prerequisite for appointment.

Requirements for an appointment are a university degree and an outstanding doctorate in engineering or natural sciences and, experience in didactics in higher education and research performance relevant to the call. We particularly welcome applications from candidates with practical experience.

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 selection committee, Prof. Jochen Hampe (Jochen.hampe@uniklinikum-dresden.de), the equal opportunities officer of the Faculty (Dr. Valtink, 0351 458-6124) or the representative of employees with disabilities (Ms. Vogelbusch, 0351 458-3327).

Please submit your application **by April 11<sup>th</sup> 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)

The Technische Universität Dresden recognizes diversity as implicit and matter of course for a university of excellence. Hence we welcome all applicants that dedicate themselves with their proficiency and personality for the benefit of all. The Technische Universität Dresden is 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. The quality of life in Dresden is unique in Europe.

**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)

