



The Faculty of Medicine of the Technische Universität Dresden, together with the Helmholtz-Zentrum Dresden-Rossendorf e.V. (HZDR) and the University Hospital Carl Gustav Carus of the Technische Universität Dresden, invite applications in the context of the succession plan for March 1st 2019 for the

W3-Professorship for Medical Radiation Physics.

The professorship is affiliated to the Faculty of Medicine / University Hospital Carl Gustav Carus of the Technische Universität Dresden (TUD) and the Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Institute of Radiooncology – OncoRay. Additionally the professorship is associated with the German Consortium for Translational Cancer Research (DKTK) and the National Center for Tumor Diseases (NCT).

The holder of position will be head of the physics section of the Department of Radiation Oncology / OncoRay and furthermore will be head of the Department Medical Radiation Physics at the HZDR. The successful candidate is responsible for teaching within the M.Sc. study course "Medical Radiation Sciences" for medical physicists, participates in the planned B.Sc. course "Radiotherapeutic and imaging Techniques" and is responsible for content and definition of relevant topics in the field of medical physics in the education of medical and dental students as well as of engineers of biomedical technology.

The focus of the scientific work of the professorship is the further development of high precision radiotherapy, especially with protons. Ideally the holder of the position is able to conceptually plan and organize the translation of experimental and preclinical knowledge into clinical application.

We are looking for an internationally outstanding researcher with excellent expertise in medical radiation physics and in the field of high precision external radiotherapy, in particular in the field of particle therapy.

The professorship will closely cooperate with the imaging departments of the University Hospital Carl Gustav Carus, the Institute for Radiation Physics of the Helmholtz-Zentrum Dresden-Rossendorf e.V. (HZDR), the NCT partner site Dresden in particular the working group Translational Surgical Oncology, as well as the German Consortium for Translational Cancer Research (DKTK). Your commitment is expressly desired in conception and mediation of medical physics, within the NCT and DKTK School of Oncology as well as in the academic autonomy. You are willing to accept the dean of study for M.Sc. course "Medical Radiation Sciences" as well as further development of the teaching content.

The Faculty of Medicine/ University Hospital Carl Gustav Carus and the HZDR offer an outstanding scientific environment including a large number of core facilities, which can be accessed by the professor. As partner sites of the German Consortium for Translational Cancer Research (DKTK) and the National Center for Tumor Diseases (NCT) close contacts exists to groups in Heidelberg and to the other nationwide DKTK research groups, which perform research in different areas of preclinical and clinical radiation research in biological, physically or medically-oriented fields.

In accordance with § 58 SächsHSFG (Saxony Higher Education Law), candidates must have a university degree, a doctorate and habilitation or the equivalent of habilitation as well as a proven track record in teaching. Ideally candidates are already experts in medical radiation physics especially in the field of high precision external radiotherapy (favored particle therapy), internationally successful and are experienced in the acquisition of third-party funds.

Ideally candidates already have clinical and/ or scientific leadership experience and are in possession of the technical qualification for Medical Physics Experts in radiation protection for tele- and brachytherapy according to German law or are able to prove appropriate experience in clinical medical physics. Due to the tight collaboration with authorities a comprehensive knowledge of the German radiation protection legislation as well as good German language skills are essential.

We are looking forward to your application and are curious about your main research.

The Faculty of Medicine and the HZDR are committed to increasing the percentage of female scientists and encourage female applicants to apply. Among candidates of equal aptitude and qualifications, applicants with disabilities will be given preference.

Please send your application by **June 8, 2018** exclusively in English to: **Dean of the Faculty of Medicine Carl Gustav Carus, TU Dresden, Prof. Dr. med. H. Reichmann, Fetscherstraße 74, 01307 Dresden** and to the **Scientific Director of the Helmholtz-Zentrum Dresden-Rossendorf, Prof. Dr. Dr. h.c. R. Sauerbrey, Bautzener Landstr. 400, 01328 Dresden, Germany**. Further [details concerning the required application documents can be found on the homepage of the Faculty of Medicine under job advertisements](#). For more information please contact the dean's office (Dr. Janetzky, +49 351-458 3356), the equal opportunity officer Dr. Valtink (+49 351-458-6124) or the representative for disabled persons Ms. Hillig (+49 351-458-3327).

The TU Dresden and the Faculty of Medicine as well as the HZDR are committed to the concept of a family-friendly university and family-friendly research institution and offer active support in finding suitable childcare facilities as well as employment opportunities for life partners. The TU Dresden and its Faculty of Medicine provide a dual-career program. The quality of life in Dresden is unique in Europe.