

Helmholtz-Zentrum Dresden-Rossendorf e.V.



With cutting-edge research in the fields of ENERGY, HEALTH and MATTER, around 1,500 employees from more than 70 nations at Helmholtz-Zentrum Dresden-Rossendorf (HZDR) are committed to mastering the great challenges facing society today. At the Institute of Radiooncology - OncoRay scientists (f/m/d) specializing in medicine, physics, biology and IT work together to crucially improve the treatment of cancer by administering radiation therapy that is biologically personalized and technically optimized. The Department of Medical Radiation Physics is looking for a Postdoc (f/m/d) Biophysical Research in Proton Therapy, the position is initially for a fixed term of 24 months, with the aim of extending the contract beyond that period.

Postdoc (f/m/d) Biophysical Research in Proton Therapy

City: Dresden; Starting date (earliest): 01/08/26; Duration: 24 months;

Remuneration: TVöD-Bund; Reference number: 2026/60; Closing date: 15/06/26

Tasks

- Planning, setup, conducting and analysis of physics and biology experiments, in particular at the Dresden proton therapy facility
- Supervision of graduation theses (Bachelor, Master, PhD)
- Teaching within the master program Medical Radiation Sciences including the radiation protection modules
- Acquisition of third-party funding (independent and contributory)

Requirements

- Completed PhD in the field of Physics, Medical Physics or related discipline
- Relevant professional experience in the specified area
- Excellent knowledge in radiation and medical physics, in particular acceleration, transport, detection and interaction of particle beams with matter
- Very good experimental skills and substantial practical experience in irradiation and dosimetry, preferably with proton beam
- Strong interest in multidisciplinary and translational research and interest in radiation protection
- Knowledge in radiation protection and radiation biology is a plus
- Ability to work independently, efficiently, goal-oriented and proactive
- Ability to work as a part of an international team
- High motivation and personal commitment
- Experience with Monte Carlo simulation codes is a plus
- Excellent English skills

What we offer

- A vibrant research community in an open, diverse and international work environment

- Scientific excellence and extensive professional networking opportunities
- Salary and social benefits in accordance with the collective agreement for the public sector (TVöD-Bund) including 30 days of paid holiday leave, company pension scheme (VBL)
- We support a good work-life balance with the possibility of part-time employment, mobile working and flexible working hours
- Numerous company health management offerings
- Employee discounts with well-known providers via the platform Corporate Benefits
- An employer subsidy for the "Deutschland-Ticket Jobticket"

Application

We look forward to receiving your application documents (including cover letter, CV, diplomas/transcripts, etc.), which you can submit via our online-applicationsystem: <https://www.hzdr.de/db/Cms?pNid=490&pLang=en&pOid=77643>

More information at <https://stellenticket.de/203958/TUBS/>
Offer visible until 05/06/26

