

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 Radiopharmaceutical Cancer Research scientists (f/m/d) from the fields of physics, chemistry, biology, pharmacy, immunology, medicine and IT develop innovative radiopharmaceuticals and novel tools for functional characterization, improved imaging and personalized treatment of tumors. The Department of Life Science Nanomicrosystems is looking for a

PhD Student (f/m/d) Development of the degradable environmental and bio-sensors

subject to final approval by the project sponsor.

City: Dresden; Starting date (earliest): 01/05/26; Remuneration: TVöD-Bund; Reference number: 2026/19; Closing date: 27/02/26

Tasks

- Development of the project tasks and milestones
- Regular check of the state of the art literature
- Establishing cooperation and contacts with the cooperators within cluster of excellence
- Fabrication of the degradable sensor elements and electrical characterisation
- Study of the degradation profile and publication of the results

Requirements

- Completed university studies (Master, Diploma) in the field of Materials Science and Engineering, Electrical or Electronic Engineering, Biomedical Engineering, Chemical Engineering or related field
- Relevant professional experience in the specified area (synthesis, fabrication, characterisation)
- Background in functional materials, sensors/biosensors, polymer science, and micro-/nanofabrication techniques is desirable
- Very good written and spoken English skills

What we offer

- A vibrant research community in an open, diverse and international work environment
- Scientific excellence and extensive professional networking opportunities
- A structured PhD program with a comprehensive range of continuing education and networking opportunities - more information about the PhD program at the HZDR can be found [here](#)
- 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-application-system: <https://www.hzdr.de/db/Cms?pNid=490&pLang=en&pOid=76369>

More information at <https://stellenticket.de/200872/TUB/>
Offer visible until 20/02/26

