

Helmholtz-Zentrum Dresden-Rossendorf e.V.HELMHOLTZ ZENTRUM
DRESDEN ROSSENDORF

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 Medical Radiochemistry is looking for a **PhD Student (f/m/d) for the Synthesis and Characterization of Radioconjugates for the Targeted Radionuclide Therapy with Alpha Emitters**.

PhD Student (f/m/d) for the Synthesis and Characterization of Radioconjugates for the Targeted Radionuclide Therapy with Alpha Emitters

City: Dresden; Starting date (earliest): 01/03/26; Duration: 36 months;
Remuneration: TVöD-Bund; Reference number: 2026/18; Closing date: 04/02/26

Working field

- Synthesis and preclinical characterization of novel ligands and conjugates for the complexation of alpha emitters (NMR, MS, HPLC)
- Establishment of radiolabeling protocols using clinically relevant alpha emitters, including detailed stability studies
- Initial in vitro characterization of radioligands and assistance with further preclinical in vitro and in vivo experiments
- Analysis of experimental data and communication of results in work reports and internal presentations, at international conferences and through publications in scientific journals

Requirements

- Completed university studies (Master) in the field of Chemistry, Food Chemistry, Pharmacy or related field
- Practical experience in organic synthesis chemistry and peptide chemistry
- Knowledge in structural analysis (NMR, UV, HPLC, ITC)
- Willingness to work with radioactive substances
- Practical experience in the field of (radio)pharmacy desirable
- Basic knowledge and practical experience in cell biology desirable
- Creative thinking, results-oriented work and a high degree of communication and teamwork skills
- Strong communication skills in a professional context (presentation of results, cooperative discussions, writing of manuscripts, etc.)
- Excellent 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&pOid=76366&pContLang=en>

More information at <https://stellenticket.de/200908/TUBS/>
Offer visible until 04/02/26

