

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. The Institute for Ion Beam Physics and Materials Research is dedicated to the study of materials and their nanostructures that can be considered for future applications in information technology and are based on electrical, magnetic or optical functionalities. The Department of Nanoelectronics is looking for a Scientific Group Leader (f/m/d) 2D-Materials - tenure track. The position will be offered subject to approval of project funding. Our focus is on world-class nanofabrication which allows the rapid integration of 2D-materials in various device architectures. This is accomplished in our fully equipped cleanroom and electron beam lithography facility. The department also provides low temperature (10 mK) and high-magnetic field (8 T) cryostat to characterise the materials for applications in nano- and quantumelectronics.

Scientific Group Leader (f/m/d) 2D-Materials - tenure track

City: Dresden; Starting date (earliest): 01/05/26; Remuneration: TVöD-Bund; Reference number: 2026/29; Closing date: 31/03/26

Tasks

- Head of the group on 2D-materials in the department of Nanoelectronics
- Strategic development of the group
- Supervision of PhD students (4 at the moment)
- Publishing of results in high-impact journals
- Acquisition of third-party funding

Requirements

- Completed university studies (PhD) in the field of Physics, Electrical Engineering, Material Science or comparable natural sciences
- Relevant professional experience (3-5 years) in the specified area
- Expertise in electronics of 2D-materials and quantum electronics
- Hands-on experience in nanofabrication and cryogenic measurements
- Excellent English

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-application-system: <https://www.hzdr.de/db/Cms?pNid=490&pLang=en&pOid=76872>

More information at <https://stellenticket.de/202053/TUBS/>
Offer visible until 31/03/26

