IFW Dresden e.V.

Leibniz-Institut für Festkörper- und Werkstoffforschung Dresden

The Leibniz Institute for Solid State and Materials Research Dresden e. V. (IFW Dresden) conducts modern materials research on a scientific basis for the development of new and sustainable materials and technologies. The institute employs an average of 500 people from over 40 nations and, in addition to its scientific tasks, is dedicated to promoting young scien-tists and engineers. Further information at: http://www.ifw-dresden.de.

Postdoctoral Associate (m/f/d) 024-25-3000

on the following topic: Precursor development and evaluation for atomic layer processing

City: Dresden; Starting date (earliest): 01/05/25; Duration: 24 months; Remuneration: TV-L; Reference number: 024-25-3000; Closing date: 28/02/25

Working field

- Design and developing novel precursors for atomic layer processing (ALD, ASD, MOCVD)
- Implementing, and analysing experiments on both test and preparatory scales; scaling up of precursors in gram scale batches for thin film deposition of functional nanostructured materials
- Characterizing precursors via SC-XRD, NMR, FTIR, Thermal Analysis and other analytical methods

Requirements

We are looking for highly motivated candidates (m/f/d) with a PhD degree in inorganic chemistry, organometallic or organic chemistry who are interested in carrying out interdisciplinary research. Expertise in synthetic inorganic chemistry techniques including (but not limited to): performing chemical reactions under inert gas conditions (Schlenk-line, Glove box etc.). Hands on experience in analysis of organometallic compounds using spectroscopic and spectrometric methods. Excellent skills in presenting scientific results, fluency in written and spoken English, strong ability to survey and assess the scientific literature. As a project lead, abil-ity to mentor junior graduate and/or undergraduate students contributing to their intellectual development and enhancing their laboratory skills. We aim to recruit candidates with pronounced initiative, creativity, and ability to work effectively in a team of international researchers with, inorganic chemistry, materials chemistry and materials science and engineer-ing background.

What we offer

- employment in accordance with the collective agreement for the public service of the federal states (TV-L),
- A modern, well-equipped workplace on the campus of the Technische Universität Dresden,
- Flexible, family-friendly working hours,
- 30 days vacation,
- Company pension scheme (VBL),
- Benefits for job ticket/Germany ticket,
- Special annual payment,
- Capital-forming benefits,
- Cooperation agreements with daycare centers to help with childcare shortages,
- Company health management (back training, health day with various offers),
- discounted sports offers from the Dresden University Sports Center,
- job-related further training opportunities and language courses,
- Company restaurant with a variety of breakfast and lunch dishes.

The contract of employment, including remuneration, is based on the collective bargaining law for the public service of the federal states TV-L EG 13 with full time working hours 40h/week. The appointment is for 24 months. The expected start date is May 01st, 2025.

IFW Dresden strives for a balanced gender ratio in all areas. In science, IFW Dresden would like to increase the proportion of women and therefore explicitly invites suitably qualified female scientists to apply. The application of disabled persons is explicitly welcome.

Application

Please send your application with informative documents (letter of motivation, which describing the research career goals, CV, relevant transcripts, training certificates, and contact details for at least two professional references) exclusively in electronic form and in a PDF file (other formats will not be considered), citing the reference number 024-25-3000, no later than February 28th 2025 to

bewerbung@ifw-dresden.de

More information at https://stellenticket.de/191781/TUBS/
Offer visible until 28/02/25