

The Leibniz Institute for Solid State and Materials Research Dresden (IFW Dresden) is a non-university research institute and a member of the Leibniz Association. The IFW employs approximately 600 people and one focus is on the training of young scientists (m/f/d) besides enhancing fundamental and applied research development. At the highest international level, the IFW operates modern materials science on a scientific basis and makes the obtained results useful for the economy. The complex and interdisciplinary research work is carried out within the IFW by five scientific institutes, which are supported by a highly developed technical infrastructure. The IFW supports its employees (m/f/d) in reconciling work and family life and regularly submits to the berufundfamilie® audit. Further information at: <http://www.ifw-dresden.de>.

## **PhD-Student (m/f/d) research group of "Chemistry of Functional Materials"**

The Institute for Complex Materials (IKM) - of the Leibniz Institute for Solid State and Materials Research - IFW Dresden - is looking for a highly motivated early stage researcher (m/f/d) to join the research group of "Chemistry of Functional Materials" as PhD student/doctoral student (m/f/d) from 01.10.2021.

### **Your main tasks:**

Within the IFW excellence project „Imprinted magnetic textures" your research task will comprise the analysis of electrochemical processes (electrodeposition, electrodissoolution) in tailored magnetic fields and the characterization of resulting metallic micro- and nano-structures. In collaboration with physicists, chemists and materials scientists of the team you will establish a fundamental understanding of the related magneto-electrochemical mechanisms and will develop concepts for exploiting the expected unique structures for advanced applications, e.g. biosensing.

### **Your profile:**

All candidates (m/f/d), with a strong background and successful Diploma or Master in the area of physical chemistry, physics or materials science (metals) are encouraged to apply. Specific knowledge in electrochemistry and electrochemical methods, magnetisms and magnetic materials and in related materials characterization methods is desired. High readiness for collaboration in an interdisciplinary and international team is expected.

### **What we offer:**

The salary will be based upon the TV-L rules (TV-L E13, 50 %). The contract will be limited to 1 year with the possibility of extension for two more years.

The institute promotes the professional equality between all genders. The IFW would like to increase the proportion of women in science. Qualified women are therefore explicitly invited to apply. Severely disabled applicants (m/f/d) are given preferential treatment if they have the same qualifications.

If you are interested in the position, please send your application (in English or German) including a cover letter with CV and copies of certificates and other relevant material (if applicable) as a single pdf file (other formats will not be accepted) citing the **reference number 046-21-3310** to the following email-address:

[bewerbung@ifw-dresden.de](mailto:bewerbung@ifw-dresden.de).

The position is open as long as the announcement is online.

If you have further questions on the position, please contact Dr. Annett Gebert ([a.gebert@ifw-dresden.de](mailto:a.gebert@ifw-dresden.de)).