

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 scientists and engineers. Further information at: <http://www.ifw-dresden.de>.

Scientist / PhD Student (m/f/d) Position for the topic “Molecular precursors and ALD growth of 2D materials”

The Institute for Materials Chemistry of the IFW Dresden offers a scientist/PhD-Student position (m/f/d) starting from 1 October 2024 and limited for 36 months in part-time with 67 %. The employment is limited until 30.09.2027.

Your key tasks:

- Rational design of molecular precursors for ALD growth of functional 2D materials.
- Chemical synthesis and structural analysis of organometallic precursors.
- Process development for the synthesis of 2D materials by means of ALD.
- Publishing and presentation of scientific results.

Your profile:

- As a successful candidate (m/f/d) you should have a Master's degree or Diploma in the field of Synthetic Inorganic Chemistry.
- Profound knowledge of the synthesis of organometallic compounds is required.
- Experience in working under inert conditions as well as in the purification and analysis of air sensitive compounds is required.
- Knowledge of thermal analysis and chemical vapor deposition techniques is desirable.
- As an international research institution, we require a willingness to work in a team and to network with scientific institutes and industrial partners, as well as confidence in the use of standard MS programs and a good command of written and spoken English.

The salary is according to the German tariff TV-L (EG 13, 67 % part-time).

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 expressly welcome.

The application for this position should include a cover letter, CV, copies of certificates as well as two reference letters (or contact details of references). Complete applications should be submitted under the reference number 058-24-3000 until **30.09.2024**. Please send the application as a pdf file (other formats will not be accepted) to the following email-address:

bewerbung@ifw-dresden.de.

If you have further questions on the position please contact: Prof. Dr. Anjana Devi (a.devi@ifw-dresden.de).

