

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 Research Group GreenDots

The Research Group GreenDots at Institute for Complex Materials of the IFW Dresden offers a scientist/PhD-Student position (m/f/d) from 1 April 2023 limited for 36 months in part-time with 67 %.

Your key tasks:

- Investigation of colloidal nanomaterials in the project "GreenDots - Environmentally friendly nanocrystal materials for optoelectronic applications".
- Deposition of the materials into thin films, investigation of the microstructure and the physical and chemical properties of these films
- Construction and characterization of electronic devices (e.g. solar cells, photodetectors)
- Investigation of the performance and stability of these devices

Your profile:

- As a successful candidate (m/f/d) you should have a Master's degree or Diploma in physics, chemistry or material sciences.
- Required for the research and development task is basic prior knowledge of preparative work in the physico-chemical research laboratory, which you can demonstrate, for example, through previous degree and research work or internships.
- Enthusiasm and prior knowledge in the field of new materials for optoelectronics, ideally with a focus on quantum dots.
- Knowledge in the analysis of experimental data as well as MS-Office
- A very good knowledge of written and spoken English, and a distinctive ability to work in an international, interdisciplinary team complete your profile.

Conditions:

The employment relationship, including remuneration, is based on the German tariff TV-L according to pay group 13.

The institute promotes the professional equality between all genders. The IFW would like to increase the pro-portion 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 and reference letter and should be submitted **until 31.03.2023**. The **reference number is 020-23-3020**. 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:
Group Leader Dr. Fabian Paulus (f.paulus@ifw-dresden.de).

