

Job vacancy No. 152-2021

The Leibniz Institute of Polymer Research Dresden is a non-university research institute and a member of the Leibniz Association. It has gained world-wide reputation for its application-oriented basic research on new polymer materials for future technologies, e.g. in the fields of energy, mobility, health, sustainability, and communication, and it supports the transfer of research results into application. The research work is carried out on the basis of state-of-the-art technical equipment in interdisciplinary cooperation between the five institutes of the IPF and embedded in numerous national and international cooperations. The IPF promotes young scientists and is certified as a family-friendly employer according to the Audit berufundfamilie®. The institute currently employs around 500 persons. Further information at www.ipfdd.de.

The IPF-Institute of Physical Chemistry and Polymer Physics, the Department Nanostructured Materials - the Roßner research group aims at developing a new generation of photocatalysts that are enhanced in their performance within the frame of a DFG-funded project. The position of a

PhD candidate on “Tailored Hybrid Nanomaterials for Plasmon-Mediated Photocatalysis”

is to be filled starting 01/01/2022 (or by appointment).

The project strives to exploit local field enhancement in noble metal nanoparticles to boost photocatalytic transformations. For this purpose, a strong emphasis will be on the tailored synthesis of macromolecular surface coatings that contain photo-catalytically active sites and have a defined polymeric architecture. This synthetic access will form the basis for the projected systematic investigations into photocatalytic performance of hybrid nanomaterials derived from these tailored polymers.

To tackle these challenges, **the successful candidate is trained in macromolecular chemistry or organic chemistry, with an interest also in nanoscience and photocatalysis.**

The position is starting January 01, 2022 and is limited for 3 years.

Salary: According to German pay grade TV-L EG 13, 65%

The IPF Dresden strives for gender equality and diversity in all fields. Applications by people with severe disabilities will be given preference if they are equally qualified. Moreover, as the IPF would like to raise the proportion of women in fields where they are underrepresented, women in particular are invited to apply.

The personal data collected by the IPF relating to your application, as well as the evaluation thereof shall be processed exclusively for purposes of the application process on the basis of contractual measures under Art. 6 (1b) GDPR. These data shall not be transferred to third parties. Recipients shall comprise the employees responsible, the Works Council as well as, where applicable, the representative body for disabled employees and the equal opportunities officers of the IPF. Your application details provided to us shall be deleted by us 6 months after the end of the application process, i.e. either after the job advertised has been filled, or after we have decided not to fill the vacancy after all. For questions under data protection law and for exercising your rights, please contact: d.atschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority. Expenses for the interview participation will not be refunded.

The desire to work across disciplines is essential. If you are motivated by these challenges, please submit your excellent record of accomplishment with research interests, full CV, a detailed description of hands-on training in experimental and characterization methods to the IPF Human Resources Department, Susanne Otto: otto-susanne@ipfdd.de **Don't forget to indicate the number of the Job vacancy.**

For further information please contact Dr. Rossner: rossner@ipfdd.de

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