

Job vacancy No. 106-2022

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 cooperations 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 group of Dr. Christian Roßner „Hybrid Nanomaterials“ offers a position as

Postdoctoral Researcher (m/f/d)

The position is fully funded through a **Exploration Grant of the Boehringer Ingelheim Foundation (BIS)**. The project aims at developing colorimetric sensing approaches based on hybrid polymer/plasmonic nanoparticles toward their implementation in point-of-action diagnostics.

Task description: Synthesis and characterization of polymers with defined architectures; synthesis and characterization of gold nanoparticles; functionalization of gold nanoparticles with polymer ligands and analyte recognition units; investigation of the polymer ligand shell morphology; investigation of analyte-induced colorimetric responses.

Requirements:

- PhD degree in Chemistry, Nanoscience, Materials Science, or in a related field.
- Experience in macromolecular synthesis, polymer characterization, and colloid characterization.
- Desire to work on an interdisciplinary research project.
- Ability to work independently and within an international research team.

Salary: According to German pay grade TV-L EG 13
Terms: 40 weekly hours (full time)
Contract: 1 years
Starting date: Oct 2022 or by appointment

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.atenschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority. Expenses for the interview participation will not be refunded.

If you are motivated by these challenges, please submit your Motivation Letter (1 page), CV, copies of diplomas/certificates, and a detailed description of hands-on training in synthesis and characterization tools and methods to IPF Human Resources Department. **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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