Job vacancy No. 050-2021

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 Macromolecular Chemistry, Department Functional Nanocomposites and Blends is looking for a highly motivated

Postdoctoral Researcher
(m/f/d),

40 hours/week.

Description:
The Department of Functional Nanocomposites and Blends at the Institute of Macromolecular Chemistry is involved in the development and investigation of multifunctional polymer materials with nanofillers, primarily carbon-based, via various manufacturing methods. In addition to investigating the multifunctional (mechanical, rheological, tribological, thermal and electrical) properties of such nanocomposites and blends, the generation of sensory properties for vapor, liquid and deformation detection is an important development direction. The aim of future work will be, among other topics, to use sustainable alternatives for the petroleum-based polymer matrices used so far, e.g. in the form of bio-based and/or biodegradable polymers. Their processability, the filler-matrix interactions and the structure-property relationships, functionality and long-term stability of such novel composites are to be investigated. For this purpose, we are looking for a committed PostDoc with experience in the field of processing and characterization of biopolymers and a good overview of the state of the art in biopolymer research, who will actively contribute to the development of biopolymers and composites with functional properties. Own project ideas oriented towards the topic are explicitly desired.

Requirements:
PhD in materials science, polymer science, chemical engineering or comparable degree with documented experience and strong interest in the field of biopolymers.

Starting date: from 01.07.2021
Duration: 1 year
Salary: According to German pay grade TV-L EG 13

The position is limited to one year. We expressly support the use of the option of acquiring own project funding during this period in order to extend the research stay at the IPF.

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

Full applications should include a curriculum vitae, a 1-page letter of motivation, certificates, a list of publications, 2 references and expected availability date and should be emailed as a single PDF file to otto-susanne@ipfdd.de. Don’t forget to indicate the number of the Job vacancy. For further information please contact Dr. Ulrike Staudinger: staudinger@ipfdd.de.

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