Job vacancy No. 051-2021

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 Theory of Polymers is looking for a highly motivated

**Researcher (m/f/d)**, 40 hours/week.

**Description:**
Artificial Intelligence and Machine Learning in Soft Condensed Matter and Polymer Physics

The Institute "Theory of Polymers" at the IPF Dresden is seeking for a scientist (scientific coworker/postdoc) who applies and develops novel computational methods particularly using concepts of artificial intelligence and machine learning techniques in the field of soft condensed matter and polymer physics. Contributions to our research in the field of sequence-dependent properties of polymers and biological polymer physics are expected. Furthermore, the candidate should cooperate with other program areas of the IPF, in particular within the overarching strategical theme "Data science based material research". The ideal candidate should have a PhD in Physics or closely related areas and a strong background in soft matter/polymer physics as well in computer simulations/machine learning techniques.

**We offer:**
A position in a leading research institute, combined with a highly specialised working environment where you can implement your own ideas and work with a diverse and inclusive team and our international partners.

**Starting date:** from 01.07.2021  
**Duration:** 2 years  
**Salary:** According to German pay grade TV-L EG 13

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.schutztf@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, 2-3 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 Prof. Sommer: itp@ipfdd.de.

Leibniz-Institut für Polymerforschung Dresden e. V.  
Susanne Otto  
Human Resources Department  
Hohe Straße 6  
01069 Dresden  
otto-susanne@ipfdd.de