Job vacancy No. 004-2022

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 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 Research Training Group (RTG) 2767 „Supracolloidal Structures: From Materials to Optical and Electronic Devices“ of TU Dresden, funded by Deutsche Forschungsgemeinschaft (DFG), offers 1 position at the IPF (at the IPF-Institute of Macromolecular Chemistry-Department Polymer Structures) as

Research Associate / PhD Student (m/f/x)

(subject to personal qualifications, employees are remunerated according to salary group E 13 TV-L)

starting 1 April 2022. The positions comprise 65% of the full-time weekly hours and are initially limited for 3 years, with the option of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The positions aim at obtaining further academic qualifications (e.g. doctoral degree).

About the RTG

The RTG 2767 aims to train a new generation of experts who will design materials made of supracolloidal structures from the drawing board to application in components. Nanoparticles are used in many optical and electronic components nowadays. Supracolloidal structures are complex superstructures composed of different nanoparticles, similar to how atoms are linked to molecules. This results in innovative, exceptionally promising optical and electronic properties that go far beyond those of the individual building blocks. To date, these structure-property relationships of the assembled particles are not adequately understood. The technological visions of these new materials include novel solar cells, field amplification for highly sensitive spectroscopy, biosensing applications where complex detection processes are made simpler, and even on-site sample examination using smartphones. In order to realize the technical complexity in the training, numerous institutions are connected within the RTG’s 2767 tight network, including various groups at the TU Dresden, the Universität Leipzig, the TU Dresden Research Cluster cfaed and the Dresden Center for Nanoanalysis as well as the Leibniz Institute for Polymer Research Dresden, the Helmholtz-Center Dresden- Rossendorf and the Kurt Schwabe Institute for Measurement and Sensor Technology Meinsberg e.V.

Investigators: Prof. Dr. Brigitte Voit

Tasks: Defined conjugated polymer nanostructures through self-assembly

Requirements: Excellent Master of Science or diploma in Chemistry or Material Science Experience in organic and/or polymer synthesis for functional organic materials, and respective physico-chemical characterization; interest in interdisciplinary cooperation with physics and electrical engineering

General Requirements

• above-average degree achieved in short study period,
• willingness and ability to think beyond the boundaries of your field, to act in an international and diverse environment and to live an open and constructive communication,
• strong analytic and problem-solving skills, creativity,
• an independent, target- and solution-driven work attitude,
• fluency in English, knowledge of German would be a plus

What we offer

You will join an enthusiastic and ambitious research training group, where you can drive your project forward and benefit from inspirational interactions with like-minded researchers. The RTG offers structured training program with technical and soft skill courses, research stays abroad as well as contact to industry. It offers the opportunity for PhD thesis completion. The working language of our international teams is English.

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: datenschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority.

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.

Further information please contact Prof. Voit: voit@ipfdd.de

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