Job advertisment No. 101-2020

The IPF-Institute of Biofunctional Polymer Materials are searching for a PhD student for 3 years.

The Leibniz Institute of Polymer Research Dresden (IPF) is one of the largest polymer research facilities in Germany. As an institute of the Leibniz Association, the IPF is committed to carrying out application-oriented fundamental research and receives its basic funding in equal parts from the federal and state governments.

Theme:
Programmable nanomaterials based on DNA-crosslinked polymers:

We are looking for a motivated PhD student with interest in chemical synthesis and development of new material types. The student will be part of an interdisciplinary team developing DNA-crosslinked hydrogels as a material platform for biomedical applications. She/he will carry out chemical synthesis of DNA-grafted polymer molecules and their characterization by standard analytical methods (e.g., NMR), microscopic methods (e.g., AFM/TEM/SEM) and rheological methods (e.g., oscillatory rheology). The student will acquire skills and apply concepts in polymer chemistry and DNA nanotechnology. We expect the student to develop a deep understanding of her/his research field, write academic publications, and participate at international conferences.

Requirements:
• Master of Science / Chemistry, Chemical Engineering, or Materials Science / degree already obtained or expected soon
• Reliability, diligence and motivation to learn new techniques

Ideal skills:
• Organic chemistry and synthetic methods
• Microscopic techniques
• Rheological characterization
• Prior experience with molecular biology techniques and/or DNA Nanotechnology are a plus

Start: planned from 01.10.2020 for 3 years

Salary: TV-L EG 13

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 costs for the interview will not be refunded.

Professional Questions about this position can be addressed to:
Dr. Elisha Krieg (e-mail: krieg@ipfdd.de; Tel.: +351 4658-548)

Please send your CV, a copy of degrees and scores, recommendation letters and a brief statement why you would like to apply to this particular job offer to the Department of Human Resources (with the Number 101-2020):

Leibniz-Institut für Polymerforschung Dresden e.V.
Mrs. Susanne Otto
Head of Human Resources
Hohe Straße 6 / 01069 Dresden
Germany

otto-susanne@ipfdd.de