

## Job vacancy No. 058-2022

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](http://www.ipfdd.de).

The research group „Polymer Micro(bio)reactors / ThieleLab“ offers a position as

### PhD student (m/f/d) subject to funding approval

The position is part of the **EU M-ERA.NET project LIFOMUL 3D** (project details at: <https://m-era.net/joint-calls/joint-call-2021>) with **5 partners from Austria and Germany**. The project aims at implementing high-resolution additive manufacturing of functional polymer micro-structures based on sustainable, natural resources.

#### Task description:

Purification and characterization of natural polymers, e.g., from paper industry waste; synthesis and modification of polymers for photo-cross-linking; preparation of photopolymer formulations for additive manufacturing on novel 3D printing platforms; investigation of structural resolution and printability; development of conductive and insulating polymer formulations for multi-material printing of medical devices.

#### Requirements:

The successful candidate is trained in polymer chemistry, macromolecular chemistry or organic chemistry. Experience in additive manufacturing based on Digital Light Processing® is a plus. The desire to path new ways in sustainable polymer material design, to work across disciplines and discuss results with project partners from other fields in academia and industry is essential.

**Salary:** According to German pay grade TV-L EG 13  
**Terms:** 65% of the full-time weekly hours  
**Starting date:** as soon as possible  
**Duration:** three years

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](mailto: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.

Please submit your summary of research interests, CV, a detailed description of hands-on training in experimental and characterization tools and methods, contact information of two references as well as short statement, why you chose to apply for the position at hand to IPF Human Resources Department. **Don't forget to indicate the number of the Job vacancy.**

For further information please contact Dr. Thiele ([thiele@ipfdd.de](mailto:thiele@ipfdd.de) or [thielelab.com](http://thielelab.com)).

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