Synthetic polymers are key components in tailor-made, functional materials for a vast range of applications, e.g.,
construction, electronics, textiles, nutrition, cosmetics, and medicine. Yet, exploring their full potential is often
limited by a notable lack of strategies for efficient and targeted design of well-established, yet hard-to-
fuctionalize, low-reactive polymers. On this account, in a joined approach, we will design synthetic polymers
(IPF) and introduce functional groups in the polymer backbone via cell-free bio-catalysis based on pre-screened,
tailored enzymes (TU Dresden). The combination of abiological synthesis and biological functionalization of
polymers will foster interdisciplinary exchange between life sciences and material sciences, and turn towards a
new direction in polymer research. For that, we offer a position for a

Postdoc (m/f/d), 40 h/week, on
Polymer analytics and and synthesis of tailor-made polymers for enzymatic fuctionalization

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. The
position is part of a newly launched interdisciplinary research project funded by the Volkswagen Foundation
(“Change of Course – Exploring New Research Territories between the Life Sciences and Science or Engineering”).

An academic background in chemistry with hands-on training in polymer analytics (MALDI, SEC, HPLC, NMR)
is essential as much as a strong interest for polymer synthesis.

For more information: thielelab.com

Starting date: ASAP Duration: 22 months
Salary: According to German pay grade 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. Expenses for the interview participation will not be refunded

For more information: thielelab.com

Starting date: ASAP Duration: 22 months
Salary: According to German pay grade TV-L EG 13

The desire to work across disciplines and discuss/present results with our collaborator from TU Dresden (Molecular
Biotechnology) 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 experience in experimental and characterization methods, publication list, and contact information of two references to the Personnel Department.
Detailed information: thiele@ipfdd.de or thielelab.com.

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