Academic staff for the Biopolymer Materials Group

10.08.2023, Wissenschaftliches Personal / Academic Staff

The lab of Prof. Lieleg at the Technical University of Munich (Campus Garching) is looking for academic staff (f/m/d) to develop cross-linked biopolymer systems with dynamically switchable crosslinkers.

Your responsibilities:

In close cooperation with the research group of Prof. Özkale (Microrobotic Bioengineering Lab, TUM Campus Garching) we here aim at creating biopolymer networks with different types of crosslinks, that can be either activated or inactivated on demand (so that we can dynamically increase or decrease the stiffness of the created gels after they were produced). From those dynamically switchable hydrogel materials, we then plan to produce microspheres for tissue engineering applications.

You will be mainly supervised by Prof. Dr. Lieleg (TUM School of Engineering and Design, Department of Materials Engineering) but will also conduct some experiments in the Özkale lab.

Your qualifications:

You have completed a Master's degree in materials science, mechanical engineering (or in a related field) with a very good final mark. You are interested in investigating interdisciplinary scientific questions, and you can work well in a team. Experience with material characterization techniques (e.g., microscopy, rheology) are helpful for this project. Very good English skills are required; German skills are helpful.
Our offer:

We offer a 75% position as academic staff with the opportunity to pursue a doctoral degree. The position will be limited to three years. Payment will be based on the Collective Agreement for the Civil Service of the Länder (TV-L). TUM strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women. The position is suitable for disabled persons. Disabled applicants will be given preference in case of generally equivalent suitability, aptitude and professional performance.

Your application:

If you are interested in working in our team, please send your application together with a strong CV and supporting documentation (e.g., transcripts of records) to:

bme.mw@tum.de

All application documents should arrive no later than September 10th 2023.

As part of your application, you provide personal data to the Technical University of Munich (TUM). Please view our privacy policy on collecting and processing personal data in the course of the application process pursuant to Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at https://portal.mytum.de/kompass/datenschutz/Bewerbung/. By submitting your application, you confirm to have read and understood the data protection information provided by TUM.

Find out more about Prof. Lieleg’s lab here:

https://www.mae.ed.tum.de/en/bme/home/