Chair for Chemistry of Biogenic Resources
Technical University of Munich
Campus Straubing for Biotechnology and Sustainability

We are looking for an industrial led R&D project for

2 Postdocs (m/f/d) in the field of:

Biocatalysis/ Enzyme engineering &

Structural bioinformatics

Within an interdisciplinary team of four scientists at TUM together with several biotech companies the project will focus on the design of new biocatalysts. By the combination of protein structure prediction, high throughput enzyme production and data generation as well as data interpretation using advanced methods of artificial intelligence new enzymes should be developed in a recursive cycle of synthetic biology for so far unknown reactions. The new biocatalysts will then be applied in large scale biotransformations.

Your profile

- Above-average master's degree and doctorate in biochemistry, chemistry, biotechnology, bioinformatics or related fields
- Experience in biocatalysis, enzyme engineering, protein chemistry, structural biology, bioinformatics or related fields
- Experience with publication of research results and in project proposal writing
- Scientific curiosity, ability to work in a team and self-motivated style, organizational skills and willingness to take on responsibility

Our offer

The Technical University of Munich is one of the most renowned universities worldwide. The Straubing Campus for Biotechnology and Sustainability of the TUM is a fairly newly established integrative research center with the goal of providing the technological and economic foundation for a more sustainable economy through highly interdisciplinary research. The Straubing site offers state-of-the-art laboratories in an attractive mix of new buildings and freshly renovated monastery buildings close to the city center and in the direct vicinity of the Danube River with short distances and a comprehensive range of leisure activities. The project will be running under SynBiofoundry at TUM (https://www.cs.tum.de/forschung/synbiofoundry/) with close cooperation to TUM partners in Garching.
The contract is initially limited to 2 years. Remuneration is in accordance with TV-L (TV Ent-gO Bund Bayern EG13). As an equal opportunity employer, TUM expressly encourages applications from women. Preference will be given to disabled applicants with essentially the same qualifications.

Your application

We look forward to receiving your complete application documents including your motivation letter, CV and references in a single pdf file by e-mail to **bew_cbr@cs.tum.de** with the keyword "**BSB**". Review of applications will begin immediately and continue until the position is filled.

Technical University of Munich, Chair for Chemistry of Biogenic Resources
Dr. Enrico Hupfeld
www.cbr.cs.tum.de, www.cs.tum.de, www.cs.tum.de/forschung/synbiofoundry, www.tum.de