

We are currently looking to fill the position of a

## Postdoc (m/f/d) in the field of **Biocatalysis**

Within an interdisciplinary team at the Chair of Chemistry of Biogenic Resources in cooperation with other groups at TUM the candidate will work on a project with the focus on the design of sustainable biotechnological production routes of chemicals and food compounds by integration of Hydrogen and CO<sub>2</sub> utilization and biomass waste residue conversion. Methods to be applied directly or in cooperation are **Synthetic biology** (ultra-high throughput technologies, combined with AI processes), **Biocatalysis** (enzyme cascades, protein engineering), **Bioinformatics** (enzyme design and in silico protein engineering), **Microfluidics** (Lab on a chip methods), **Electrochemistry** and **Bioprocess engineering** (biotransformation, fermentation). Project coordination will be an additional task.

### Your profile

- Above-average master's degree and doctorate in biochemistry, chemistry, biotechnology or related fields
- Strong background in at least one of the above mentioned field
- 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 institute 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 associated to TUM's Green Fuel Center (<https://www.cs.tum.de/research/green-fuel-center>) and the SynBiofoundry at TUM (<https://www.cs.tum.de/forschung/synbiofoundry/>).

The contract is initially limited to three years. Remuneration is in accordance with TV-L (TV Ent-gO Bund Bayern EG13, Postdoc 100 %). 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 "**GFD**". Review of applications will begin immediately and continue until the position is filled.

Technical University of Munich, Chair for Chemistry of Biogenic Resources