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

For an industrial cooperation project starting **April 2022** we are looking to fill the position of a

Research Assistant/Doctoral Candidate (m/f/d)

in the subject area of

Biocatalysis/ Enzyme Design

The research project and environment
In the project, an industrially important bulk chemical/monomer is to be produced bio-based by coupling chemical and enzymatic reaction steps. Part of the work involves the development of a new enzyme, the optimization of further enzymes and their use in a chemo-enzymatic cascades. The Department of Chemistry of Biogenic Resources at the Technical University of Munich's Straubing Campus for Biotechnology and Sustainability has been active in this field for more than a decade. The Straubing Campus of TUM develops processes for sustainable and environmentally friendly chemical production. For this, natural scientists, engineers, social scientists and economists work closely together on site in teaching and research. The SynBiofoundry@TUM is also anchored at the site and is linked to the project in terms of content and instruments (https://www.cs.tum.de/forschung/synbiofoundry).

Requirements
- Excellent degree in biotechnology, biochemistry, biology, chemistry or related sciences.
- In-depth knowledge of biocatalysis, protein chemistry and molecular biology.
- Knowledge of organic chemistry and instrumental analytics desirable
- Curiosity and interest in scientific issues.
- High level of commitment as well as teamwork and communication skills.

We offer
- As a TUM doctoral student, you are automatically a member of the TUM Graduate School and benefit from an extensive qualification and continuing education program, funding for international travel, and target group-specific services and consulting.
- Remuneration is in accordance with TV-L, level 13 (65%), and the appointment is limited to three years.
- Severely disabled applicants will be given preference in the event of otherwise essentially equal suitability.
- The Technical University of Munich aims to increase the proportion of women; applications from women are therefore expressly welcomed.

Application
Please send your detailed application by e-mail (keyword RLB) to

Technical University of Munich
Chair of Chemistry of Biogenic Resources
Prof. Dr. Volker Sieber
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www.rohstoffwandel.de, www.tum.de