

For the new Future lab we are looking to fill the position of a

*Opportunities  
for Talents*

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

In the subject area of

### **Hydrogen-based biocatalytic cascades design**

#### **The research project and environment**

In this project, a platform for hydrogen-based biocatalytic multi-enzymatic cascades is to be established. The project will focus on designing and engineering enzymes and processes involving H<sub>2</sub>-producing/converting enzymes. 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 of enzyme engineering 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 newly established Future lab REDEFINE H<sub>2</sub> and TUM Network for Hydrogen and Power-to-X aim to bring together national and international expertise in the field of utilization and generation of green hydrogen (<https://www.mse.tum.de/en/hydrogen-power-to-x/>). This project will be in close collaboration with international partners from Australia.

#### **Requirements**

- Ph.D. in biotechnology, biochemistry, biology, chemistry, or related sciences.
- In-depth knowledge and hands-on experience strengthened by publications in the field of metalloenzyme are necessary.
- Hands-on experience with molecular biology and protein chemistry is necessary.
- Curiosity and interest in scientific issues.
- High level of commitment as well as teamwork and communication skills.

#### **We offer**

- Remuneration is in accordance with TV-L, level 13, and the appointment is limited to 1.5 years with the option for extension. For International scientists, a part of the accommodation costs will be also covered.
- 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 including (CV (max. 2-pages), motivation letter (max. single page), academic record, and proof of practical experience) as a single PDF file by e-mail with the keyword (REDEFINEH2) by 31<sup>st</sup> of March 2023 to

#### **Technical University of Munich**

Chair of Chemistry of Biogenic Resources  
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