Lehrstuhl für Chemie Biogener Rohstoffe
Campus Straubing für Biotechnologie und Nachhaltigkeit
Technische Universität München

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

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_2-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_2 and TUM Network for Hydrogen and Power-to-X aim to bring together national and international expertise I n 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 31st of March 2023 to

Technical University of Munich
Chair of Chemistry of Biogenic Resources
Dr. Ammar Al-Shameri
bew_cbr@cs.tum.de