

CALL FOR APPLICATIONS

The Werner Siemens Chair of Synthetic Biotechnology at the Faculty of Chemistry at the Technical University of Munich in Garching is looking to fill the following position as soon as possible for a fixed term of 3 years.

1 Research Assistant (TVL-E13, 65 %) with the possibility of pursuing a doctorate

The Werner Siemens Chair of Synthetic Biotechnology focuses on the isolation, characterization, and process-oriented optimization of enzymes and microorganisms for the production of industrial platform chemicals. One research focus is the biotechnological conversion of biogenic residues into valuable materials.

Your tasks

- Development and optimization of enzymatic hydrolysis of plant residues (pH, temperature, dosage)
- Conducting degradation and recycling experiments on a laboratory scale
- Analysis of enzymatic and chemical degumming reactions using GPC, LC-MS, MALDI-TOF, FTIR, and Raman spectroscopy
- Cultivation of fungi for the production of peroxidases
- Participation in scale-up experiments up to a scale of 10–50 kg
- Supervision of bachelor's and master's students
- Communication with project partners
- Reporting in German

Your qualifications

To work on these complex topics, we are looking for a committed, organized, and creative team player with experience in the fields of biotechnology, biochemistry, and micro- and molecular biology. Successful applicants should have laboratory experience in the areas of cultivation, molecular biology, and the development of enzymatic and biochemical assays. We expect you to have completed a master's or diploma degree in a relevant engineering or scientific discipline. In addition, good English language skills are required, German is advantageous.

We offer: a varied job in an international team with a state-of-the-art workplace. The position is remunerated in accordance with the German TV-L E13 (65%) and is initially limited to 3 years.

Application

We look forward to receiving your detailed application. Please send it via e-mail.

Prof. Dr. Thomas Brück

Technische Universität München
Department Chemie
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Lehrstuhl für Synthetische Biotechnologie**

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WSSB
Werner Siemens-Lehrstuhl für
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