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

For an industrial cooperation project we are looking to fill the position of a

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

in the subject area of

Chemo-enzymatic synthesis of monomers

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. Parts of the work include the establishment of a chemical-enzymatic reaction cascade for the synthesis of monomers and further the synthesis of new polymer derivatives. The Chair of Chemistry of Biogenic Raw Materials 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 as a whole 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.

Request

- Above average degree in chemistry, biochemistry, biotechnology or related sciences.
- Sound knowledge of organic chemistry in theory and practice
- Principles of biocatalysis with practical experience working with enzymes desirable.
- Knowledge of instrumental analytics advantageous.
- 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 PF3) to

Technical University of Munich
Chair of Chemistry of Biogenic Resources
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