

The Chemistry of Biogenic Resources group of Prof. Volker Sieber at TUM Campus Straubing for Biotechnology and Sustainability is looking for multiple

Scientific assistants (“HiWi”)

The positions are tasked to help fulfilling TUMs role in the PERFECOAT project. The primary objective of the PERFECOAT project is to develop a new generation of industrial wood coatings and decorative coatings with more than 25% bio-based components that meet and even surpass the current quality and sustainability standards. To answer the clear need for innovation and new breakthrough technology in this field, the PERFECOAT consortium will build and operate a modular and flexible technology platform for the production of innovative bio-based binders, fillers and pigments from a range of biopolymers and functionalised materials. The consortium consists of several highly renowned industrial and academic partners. At TUM, bio-based binders and functionalised fillers will be developed based on an individual modular approach.

Your job includes

- Molecular biology laboratory works
- Expression and purification of proteins
- Chemical modification and characterisation of polysaccharides

Requirements

- You are highly motivated and committed to scientific excellence
- You have completed the biochemistry, organic chemistry and instrumental analytics practical course
- You have a good commandment of the English language (both oral and written), German is a plus but not mandatory
- You are open to work at the CBR lab for longer than 1 semester

What we offer

- You will receive extensive training for the particular tasks
- You will gain hands-on experience by working on real science projects in molecular biology, biocatalysis, organic chemistry and material science
- You will have a flexible working schedule which can be aligned with exams, lectures etc.
- Options for bachelor/master thesis

We are interested in candidates looking for long-term commitment (> 1 semester).

The competitive salary is based on the public service wage agreement and your study progress. Details can be found at www.lff.bayern.de/download/bezuege/arbeitnehmer/2eb35bb5-d504-4b74-8277-3b3378104162.pdf.

As an equal opportunity and affirmative action employer, TUM explicitly encourages applications from women as well as from all others who would bring additional diversity dimensions to the university's research and teaching strategies. Preference will be given to disabled candidates with essentially the same qualifications.

Application

Please send your application documents, named with the term “HiWi Perfecoat” via e-mail to:

TU Munich, Chemistry of Biogenic Resources Group, Prof. Dr. Volker Sieber

bew_cbr@cs.tum.de

Please include an overview of your scientific experience, the amount of weekly working hours you want to work and your study progress.