Chair of Plant Systems Biology
TUM School of Life Sciences
Technical University of Munich

Opportunities for Talents

Our team is looking for a

Ph.D. student (f/m/d) or PostDoc (f/m/d)
To study amino acid transporter structure and function

A **Ph.D. student position** (65% TVL E13) for 36 months or a **PostDoc** position (100% TVL E13) for 27 months is available in the group of **PD Dr. Ulrich Hammes** at the Chair of Plant Systems Biology at the School of Life Sciences at TUM in Freising-Weihenstephan jointly with the group of **Prof. Olga Boudker** at Weill Cornell Medical College.

Research and Tasks

We want to study proton-coupled amino acid transporters from plants. We want to solve the structures of several transporters to understand their transport mechanisms and biophysical properties. The insights gained from the biochemical work will be transferred to plants with the aim of increasing nitrogen efficiency by improving transport through rational design.

Your Profil

A strong background and interest in protein expression, different expression systems, and purification of membrane proteins, as well as transport physiology, particularly electrophysiology, to characterize transporters are indispensable. A keen interest in plants is desirable. The funding scheme requires the successful candidate to spend time in both institutions. The will to travel and exposure to different lab and social environments is also of critical importance.

We offer

Weill Cornell Medical College and TUM are elite research environments and provide access to state-of-the-art techniques and equipment required to perform research at the leading edge of science.

Website of the Chair of Plant Systems Biology at TUM: http://sysbiol.wzw.tum.de

Website of the Boudker lab at Weill Cornell Medical College: https://www.boudkerlab.com

Application

We are looking forward to your application, including a **letter of motivation** describing your skills and research interest, **your CV**, and contact information for **two references**.

Please send your application documents in a **single PDF** to ulrich.hammes@tum.de

The position **is available immediately**. The selection process will remain open until a suitable candidate is found.

TUM aims to increase the proportion of women; qualified women are therefore strongly encouraged to apply.

The position is suitable for severely disabled persons. Severely disabled applicants will be given preference in the event of otherwise essentially equal suitability, ability and professional performance.

Weill Cornell Medicine is a comprehensive academic medical center that's committed to excellence in patient care, scientific discovery, and the education of future physicians in New York City and around the world. Our doctors and scientists-faculty from Weill Cornell Medical College, Weill Cornell

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Graduate School of Medical Sciences, and the Weill Cornell Physician Organization-are engaged in world-class clinical care and cutting-edge research that connect patients to the latest treatment innovations and prevention strategies. Located in the heart of the Upper East Side's scientific corridor, Weill Cornell Medicine's powerful network of collaborators extends to its parent university Cornell University; to Qatar, where an international campus offers a U.S. medical degree; and to programs in Tanzania, Haiti, Brazil, Austria and Turkey. Our medical practices serve communities throughout New York City, and our faculty provide comprehensive care at NewYork-Presbyterian Hospital/Weill Cornell Medical Center, NewYork-Presbyterian/Lower Manhattan Hospital, and NewYork-Presbyterian/Queens. At Weill Cornell Medicine, we work together to treat each individual, not just their conditions or illnesses, as we strive to deliver the finest possible care for our patients - the center of everything we do. Weill Cornell Medicine is an Equal Employment Opportunity/Minorities/Females/Vet/Disabled employer.

Data Protection Notice

As part of your application for a position at the Technical University of Munich (TUM), you will be providing personal data. Please refer to our data protection notice in accordance with Article 13 of the General Data Protection Regulation (GDPR) regarding the collection and processing of personal data in the context of your application. By submitting your application, you confirm that you have read TUM's data protection notice.

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