TUM School of Life Sciences
Technische Universität München

Ph.D. student position in Plant Physiology

A funded Ph.D. student position is available in the group of PD Dr. Ulrich Hammes at the Chair of Plant Systems Biology of the Technical University of Munich School of Life Sciences in Freising.

The Hammes Lab seeks a highly motivated Ph.D. student to study amino acid transport in plants. We want to understand how amino acids are transported across membranes, distributed among different organelles and over long distance in the vasculature.

To address these questions, we use cell biological, biochemical and genetic techniques, as well as flux studies and electrophysiological approaches. The laboratory has access to all techniques and equipment required to do state-of-the-art plant research. The group is part of the Collaborative Research Centre SFB924 and has strong ties with the LMU Munich, the University of Regensburg and the Helmholtz Zentrum München.

The ideal applicant shows a strong interest in the functional characterization of transport proteins using electrophysiology. A background in protein expression and purification is desirable.

Please send a letter of motivation and CV in a single PDF to: ulrich.hammes@wzw.tum.de

The position is available immediately and will remain open until filled.

Further information and relevant publications:

Website of the Chair: http://sysbiol.wzw.tum.de

Website of the SFB924: http://sfb924.wzw.tum.de

Müller, B., Fastner, A., Karmann, J., Mansch, V., Hoffmann, T., Schwab, W., Suter-Grotemeyer, M., Rentsch, D., Truernit, E., Ladwig, F., Bleckmann, A., Dresselhaus, T., and Hammes, U.Z. (2015). Amino acid export in developing Arabidopsis seeds depends on UmamiT facilitators. Curr Biol 25, 3126-3131.

Karmann, J., Müller, B., and Hammes, U.Z. (2018). The long and winding road: transport pathways for amino acids in Arabidopsis seeds. Plant Reprod 31, 253-261.

Tegeder, M., and Hammes, U.Z. (2018). The way out and in: phloem loading and unloading of amino acids. Curr Opin Plant Biol 43, 16-21.