

Ph.D. student position in Plant Cell and Molecular Biology

Protein kinases and auxin transport

A funded Ph.D. student position is available at the Chair of Plant Systems Biology at the School of Life Sciences of the Technische Universität München in Freising-Weihenstephan.

We seek a highly motivated Ph.D. student to strengthen our highly interactive and collaborative team. The project will integrate biochemistry, live-cell imaging, developmental and molecular biology approaches to understand the molecular mechanisms of plant growth and development. The ideal applicant will have a strong interest in biochemistry and cell biology and has a background in plant biology or developmental biology.

The Chair of Plant Systems Biology has expertise in a broad spectrum of molecular, cell biological, biochemical and genetic techniques, as well as confocal microscopy. Therefore the laboratory has access to all techniques and equipment required to do state-of-the-art plant research. The group also has strong ties with the LMU Munich, the University of Regensburg and the Plant Bioinformatics Institute at the Helmholtz Zentrum München through the SFB924.

Please send a letter of motivation and CV to: claus.schwechheimer@tum.de

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

Further information

Website of the Chair: <http://sysbiol.wzw.tum.de/index.php?id=2&L=1>

Website of the SFB924: <http://sfb924.wzw.tum.de/index.php?id=3>

Selected recent publications

Phosphorylation control of PIN auxin transporters. Bassukas, Xiao, Schwechheimer. Curr Opin Plant Biol. 2022 65:102146.

Auxin Transporters - A Biochemical View. Hammes, Murphy, Schwechheimer. Cold Spring Harb Perspect Biol. 2022 1;14(2):a039875.

A molecular rheostat adjusts auxin flux to promote root protophloem differentiation. Marhava, Bassukas, ...Schwechheimer, Hardtke. Nature 558(7709):297-300.