Ph.D. student position

Plant cell biology and land plant evolution

A funded Ph.D. student position is available at the Chair of Plant Systems Biology at the Life Sciences campus of the Technical University of Munich in the context of the DFG-funded priority programme 2237 “MadLand - Molecular Adaptation to Land: plant evolution to change.”

Evolution of AGC1 kinase-mediated polarity modules

In early land plant development

We are seeking a highly motivated Ph.D. student to strengthen our very interactive and collaborative team. The specific project examines the biological role and evolution of a family of protein kinases in the liverwort Marchantia and the moss Physcomitrella that, in higher plants, are essential for the regulation of polar auxin transport and other polarity-requiring developmental processes. The project will integrate molecular biological, genetic (CRISPR/CAS9), developmental and systems biology approaches to understand the molecular determinants of plant growth by the proteins under investigation. The laboratory has expertise in a broad range of molecular, cell biological, biochemical and genetic techniques as exemplified in our previous publications. The Chair of Plant Systems Biology has direct access to modern cell biological and biochemical analyses, next generation sequencing etc. and possesses all techniques and equipment required for state-of-the-art plant research. The laboratory also has strong ties with the LMU Munich, the University of Regensburg and the Helmholtz Zentrum München through the SFB924 and is embedded in the national MadLand consortium.

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

The positions are available immediately and will remain open until filled.

Further information

Website of the Chair: https://sysbiol.wzw.tum.de
Website of MadLand: http://madland.science

Selected recent publications

