

Doctoral candidate (part-time, 65%)

Institution:	Faculty for Biology (Botany/Electron Microscopy)
Starting date:	01.01.2023
Application deadline:	09.12.2022
Pay group:	According to TV-L E13
Duration:	4 years

The advertised position is a part-time position.

The Ludwig-Maximilians-University Munich (LMU) is one of the most prestigious and largest universities in Germany.

Responsibilities

In course of a newly established transregional research center, the subproject Z02 of the AG Klingl (Plant Development & central facility for Electron Microscopy) is looking for a doctoral candidate (TV-L E13, 65%). The title of the project is:

„Comparative ultrastructure of plant-microbe interfaces“

By using methods like FIB/SEM-tomography and SBF-SEM, we want to investigate interaction structure of wild type plants like *Arabidopsis thaliana*, tomato, barley or legumes with beneficial or parasitic microbes like arbuscular mycorrhiza, root nodule forming bacteria or powdery and downy mildew. The resulting repository of 3D structural data should highlight commonalities and differences in these diverse plant-microbe associations and it should enable functional conclusions from structural features.

Requirements

The advertised position requires a completed university education with excellent results in the field of biology, biochemistry, human biology biotechnology or a related scientific field. Experience in microscopy and most importantly in electron microscopy with a focus on 3D imaging techniques like FIB/SEM-tomography, SBF-SEM or high-resolution transmission and scanning electron microscopy is highly desired. Beside state-of-the-art fixation methods, this project also requires experience in molecular techniques and the application of image data analysis and processing software.

The workplace is located in Martinsried and has a very good connection to public transportation services. We are offering a very interesting job with a high degree of responsibility and excellent possibilities for further education and development. In case of equivalent suitability, severely disabled applicants will be preferred. The application of female scientists is highly appreciated.

Application

Please send your complete application including your CV, certificates and the contact information of at least three references via email to: a.klingl@lmu.de. The application deadline is December 9th, 2022.