



Postdoc Position in Plant Systems Biology @ Wu Lab in IPMB, AS

Overview: The post-doctoral position in the laboratory of Dr. Ting-Ying Wu at the Institute of Plant and Microbial Biology at Academia Sinica (IPMB, AS) is fully funded and will focus on the interaction between plants and the environment. The research will build upon recent publications by [Wu et al. in 2022](#) and [2023](#) and [Li and Liu 2020](#) and will utilize machine learning and predictive modeling approaches to identify features that predict and have functional importance in the heat stress (HS) response across multiple plant species. This project is a collaboration with Dr. Ming-Jung Liu at the Academia Sinica Biotechnology Center in Southern Taiwan (AS-BCST), also affiliated with AS.

Responsibilities: The post-doctoral researcher is responsible for writing annual progress reports, manuscripts, and communicating our work at conferences and meetings, as well as training and leading students in the lab.

Qualifications: The ideal candidate will possess both wet (20%) and dry (80%) bench skills, along with strong oral and writing skills. This role will involve a combination of experimental and computational work, including the generation and analysis of sequencing and image datasets. Experience in bioinformatics and proficiency in programming languages such as R and Python are required and a must. While experience in wet lab bench skills is desirable, it is not mandatory. Candidates should hold a PhD degree in computational biology, data science, statistics or in related fields.

About: The Wu Lab is a part of the IPMB, which comprises nearly 300 researchers and staff members from Taiwan and over 15 other countries. It is located on the main campus of AS in Taipei, Taiwan. The Liu Lab is a part of the AS-BCST and is located on the southern campus of AS in Tainan, Taiwan. Dr. Liu is EMBO Global Investigator, providing the benefit to apply EMBO postdoc fellowship and attend EMBO training workshop/seminars. AS provides state-of-the-art core facilities, including those for cell biology, microscopy, high-performance computing high throughput phenotyping platforms, and OMICs, which support our pursuit of cutting-edge research. Our primary goal is to cultivate a highly interdisciplinary and collaborative atmosphere among lab members. For more information, please visit the Wu Lab and Liu website.

Applicants should submit the following materials of curriculum vitae; a summary of research accomplishments; specific and focused description of future research plans to tingying@gate.sinica.edu.tw with a title of "TYW_Lab_postdoc_application".

Liu Lab



Wu Lab



Plant Systems
Biology **TYW lab**