Paul Verslues Laboratory-Postdoctoral positions in plant cell biology
and phospho-signaling.
Institute of Plant and Microbial Biology, Academia Sinica, Taipei, Taiwan

Two postdoctoral positions are available.

**Position 1** requires background in cell biology and microscopy. The successful candidate will investigate the cellular function of AFL1, a protein of unknown function which enhances growth maintenance during drought stress. The project will build from ongoing work in our laboratory which has identified AFL1 interactors and characterized AFL1 effects on actin filament organization.

**Position 2** requires background in protein biochemistry. The successful candidate will characterize the function of previously unstudied protein kinase(s) which regulate drought-induced proline accumulation. The candidate will work with the core facilities of IPMB for proteomic and phospho-proteomic analyses, conduct experiments of protein interaction and phosphorylation and, determine the effects of these phosphorylation events on proline accumulation and other drought-related phenotypes.

We will also consider applications from exceptionally qualified candidates with M.S. degree for research assistant position on these projects (candidates with PhD cannot be considered for research assistant).

Evidence of past research productivity, recommendations of previous research mentors and general background in molecular biology will also be used to evaluate candidates. Experience in Arabidopsis research will be beneficial but not required. Both lines of research are supported by special multi-year funding from Academia Sinica and each position can be renewed yearly for up to five years depending on research progress. The working language of the laboratory is English and international applicants are encouraged to apply. Laboratory staff are available to assist the successful candidate with establishing themselves in Taipei. The Institute of Plant and Microbial Biology is well equipped for plant research and has excellent core facilities in proteomics, bioinformatics, microscopy, and sequencing/gene expression analysis.

To apply, please the following application package to paulv@gate.sinica.edu.tw

1. Complete CV.
2. Names and email addresses of 2-3 references.
3. Cover letter stating which position you are applying for, why your experience is appropriate for that project and brief summary of past research accomplishments and future goals.

Review of applications will begin on Nov. 15, 2018.

Additional information about our laboratory can be found at http://ipmb.sinica.edu.tw/index.html/?q=node/940&language=en Additional information about our research can be found in recent publications including:


Verslues PE, Lasky JR¹, Juenger TE, Liu T-W, Kumar MN (2014) Genome wide association mapping combined with reverse genetics identifies new effectors of low water potential-induced proline accumulation in *Arabidopsis thaliana*. *Plant Physiology* 164: 144-159