

Postdoc in Plant Molecular Biology

The laboratory of Dr. Polly Hsu at Michigan State University has an opening for one postdoctoral researcher to investigate translational control and peptide signaling in plant stress responses in Arabidopsis. To learn more about the lab, visit

<https://sites.google.com/view/polly-hsu-lab>

The Hsu lab has recently identified RNA features that potentially provide translational control related to abiotic stress using ribosome profiling. In addition, we found several small peptides and novel small ORFs induced by abiotic stress. Built on our discoveries, the candidate will study these novel translational regulatory mechanisms and/or peptide signaling involved in stress responses, using molecular genetics, biochemical and cell biology approaches. In addition, the candidate will have the opportunity to learn RNA-seq/Ribo-seq library constructions and data analysis, if interested. The position is renewable contingent upon success in the prior year and funding availability.

To apply, please send 1) a cover letter summarizing your research interests, career goals, motivation to join the Hsu lab & potential start date, 2) a CV, and 3) contact information of three professional references to polly.hsu.lab@gmail.com