



**POSTDOCTORAL POSITION:**

**Investigating peptide ligand-receptor kinase signaling and biochemistry during stomatal development**

Keiko Torii Lab; Howard Hughes Medical Institute and University of Washington, Seattle

Postdoctoral positions are available immediately to investigate biochemistry of receptor kinase signaling controlling stomatal development, plant growth and vascular differentiation, primarily focusing on EPIDERMAL PATTERNING FACTORS cysteine-rich peptides and ERECTA-family LRR-RLK receptor kinases.

A successful candidate will use integrated approaches of protein kinase/phosphorylation analysis, protein-protein interactions, kinase substrate identifications, and phosphor-proteomics to investigate and dissect the specificity and uniqueness among ligand-receptor complexes.

A candidate must be proficient in protein biochemistry, including analysis of protein phosphorylation and other posttranslational modifications. Solid background in basic molecular biology with a strong record of scientific productivity (first-authored research manuscript) is required. Candidates with strong quantitative skills and proteomics backgrounds are highly desired. Previous experience in growing and maintaining Arabidopsis/plants is not mandatory. However, all Torii lab members are expected to grow their own plants for his/her own experiments and meticulously maintain transgenic/mutant lines, perform genetic analysis as well as conduct sophisticated imaging using confocal and light microscopy techniques. A candidate must have strong communication and analytical skills, must be self-motivated and interested to succeed, and be able to work as a team as well as independently.

Salary is commensurate with qualifications and experience. The position will be initially available for one year, with the renewal based on the performance and funding availability. The successful candidate will be encouraged to apply for independent fellowships to gain independent programs for his/her future career path. Due to the guideline of the funding agency, preference will be given to candidates within two years of postdoctoral experience.

Send a cover letter (1-2 pages) outlining your research interest and career goals, current curriculum vitae, and names and e-mail addresses of three-four referees to:

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