POSTDOCTORAL POSITION:
Quantitative Live Imaging Biologist to study the dynamics of cell-cell interaction specifying 2-D spatial patterning of plant epidermis

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

Postdoctoral positions are available immediately to investigate cell-cell interaction dynamics specifying stomatal patterning and differentiation using quantitative live imaging, and/or mathematical modeling.

A successful candidate will use our two non-shared confocal microscopes and other imaging platform to visualize receptor kinase & MAPK activities, polarity protein dynamics and transcription factor accumulation dynamics using various tools and sensors. In addition, the candidate should expand our ongoing collaboration with Astrophysicists to describe the 2-dimensional patterning of stomata with novel methods.

For recent publications from the lab, see: Lee et al. 2015. Nature (PMID: 26083750); Meng et al. 2015 Current Biology (PMID: 26320950); Horst et al. 2015 PLOS Genetics (PMID: 26203655)

A candidate must be proficient in confocal microscopy and quantitative imaging analysis as demonstrated by primary authored publication(s). Strong quantitative skills and the experience on mathematical modeling of dynamic interactions are highly desired. Previous experience in plants is not mandatory. However, all Torii lab members are expected to grow and harvest their own plants for his/her own experiments, meticulously maintain transgenic/mutant lines, and perform genetic or genomic analysis as required. 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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