Post-Doctoral Position: Hormone metabolism and signaling in Arabidopsis

Position is open for a postdoctoral research associate in the Koo lab at the University of Missouri (http://biochem.missouri.edu/faculty/faculty-members/kooa/index.php) to study plant hormone metabolism and signaling. Jasmonate (JA) is the hormone that orchestrates defense responses and dictates developmental plasticity of plants under stress conditions. This project will investigate how JA levels are precisely regulated to accommodate the various stress adaptive mechanisms of plants. Multi-disciplinary approaches including, protein biochemistry, molecular biology, genetics, genomics, and analytical chemistry will be employed in the Arabidopsis model system.

A Ph.D. degree in Plant Biology, Biochemistry, or a related discipline is required. Work experience with modern molecular biology techniques such as quantitative PCR, gene cloning, recombinant protein expression, and co-immunoprecipitation is essential. Experience with protein antibodies, proteomics, yeast-two-hybrid, RNAseq, or confocal microscopy is desirable. Applicants must have strong publication records and demonstrated ability to collaborate with others. The postdoc is expected to supervise part time student employs in the lab.

The position is available immediately. Initial appointment is for one year and may be renewable for a maximum of three years dependent upon satisfactory performance and continued funding. Salary is commensurate with experience and includes medical benefits.

Application Instructions: Qualified candidates should send a short statement of research experience and career goals, curriculum vitae, and the names and contact information of three references to Dr. Abraham Koo at kooaj@missouri.edu.