



THE UNIVERSITY OF
TENNESSEE
KNOXVILLE

Postdoc position in Plant development

A postdoctoral position is available in the laboratory of Elena Shpak in the Biochemistry & Cell and Molecular Biology department at the University of Tennessee, Knoxville. The position is for a recently funded NSF project that investigates function of ERECTA-family (ERf) receptors and their EPFL ligands in Arabidopsis flower development. It will explore the function of ERf-EPFLs during formation of a variety of flower structures including ovules, integuments, and anthers with the goal of identifying processes similarly controlled in different tissues. The role of ERf-EPFL signaling will be studied in specification of boundaries between outgrowing structures and in modification of auxin transport during outgrowth of protrusions. The experimental design includes genetic studies, imaging, next-generation sequencing, and biochemical approaches.

We are looking for candidates interested in plant development, flower morphogenesis, cell-cell communications, and signaling by receptor kinases. Applicants with strong experience in molecular and cell biology are encouraged to apply. Experience with Arabidopsis and the next-generation sequencing is desirable. We especially encourage applications from under-represented minorities.

This position is for up to three years, contingent upon successful progression during year one. Salary is based on experience and qualifications according to UT policy. Knoxville is located near the beautiful Smoky Mountains and has a relatively low cost of living. The position is open immediately until filled. To apply send a cover letter, CV, and contact information for three references.

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