

## Post doctoral research associate position in Soybean TF-DNA interaction studies

A post doctoral research associate position is available immediately in the Soybean Genomics and Biotechnology Laboratory at the University of Missouri. The research focus will be on transcription factor (TF)-DNA interaction studies and characterization of promoters towards seed filling and abiotic stress tolerance in soybean. The successful candidate will clone ORFs from the selected TF families, conduct TF-DNA interaction studies using ChIP and ChIP seq, and analyze tissue-specific and stress-specific promoters associated with seed development and stress tolerance. The research program includes studies using Arabidopsis and comparative legume genomics. Applicants should have a Ph.D. in genetics, molecular biology, plant biology, or a related discipline. The position requires a strong background in molecular biology techniques such as ChIP, ChIP seq, promoter analysis, quantitative PCR, transgenic and mutant analyses. Experience with gene regulation and silencing, biochemical pathways, next generation sequencing technologies and biological databases is desirable. Excellent oral and written communication skills and the ability to work well in a collaborative research environment are essential. Applicants should provide a letter of interest, a complete CV, and three reference letters. Please include the following in the subject line: "PD Application for Soybean TF-DNA interaction studies" and send the above requested information to:

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**Lab website:** <http://soybeangenomics.missouri.edu>