Postdoctoral associate position at Danforth Plant Science Center, St. Louis, MO

A postdoctoral position is available at the Danforth Plant Science Center in St Louis, MO. The incumbent will join a multi-disciplinary research team working on characterizing genes and illustrating gene/genetic/transcriptional networks underlying soybean seed reserve production and its interaction with other soybean abiotic and biotic traits for seed quality improvement. Both integrative big-data analysis/mining (of mainly genome and transcriptome sequencing, phenotyping and genotyping data) and wet-lab molecular and biochemical approaches are employed. Research experience or strong training in molecular biology, quantitative genetics and genomics, systems biology, molecular evolution, large-scale data mining, AI, transgenic biology and/or genome editing techniques in model species and legume species are desirable, but not required. Additional qualifications include strong scientific and innovative thinking, effective writing and project leadership skills. Ideal position for individuals who are willing to integrate their knowledge in biology with data sciences for biological discovery and crop improvement. The position is available immediately until filled. For additional information about the research, please see https://www.ars.usda.gov/people-locations/person/?person-id=43793 or contact yong-qiang.an@ars.usda.gov.