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

A postdoctoral associate position is available at the Danforth Plant Science Center in St Louis, MO. The incumbent will work on discovering genes regulating soybean seed quality traits and illustrating gene regulatory networks underlying their associated seed reserve production and interaction with other seed traits for soybean seed quality improvement. Both integrative big-data analysis/mining (of mainly genome and transcriptome sequencing, phenotyping and genetic data) and wet-lab approaches are expected to be employed. A Ph.D. in biological sciences or crop science is required. Research experience or strong training in molecular biology, quantitative genetics, genomics, soybean genetics and breeding, systems biology, molecular evolution, large-scale data analysis, and/or genome editing techniques are desirable, but not required. Additional qualifications include effective writing and project leadership skills. The position is available immediately. 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