Position: Post-Doctoral Researcher on Zoysiagrass Genomics and Phenomics (R-062239)

Overview:
We are seeking a highly motivated and talented Post-Doctoral Researcher to join our turfgrass breeding team at Texas A&M AgriLife Research and Extension Center-Dallas (Link here). The successful candidate will work on a project aimed at developing genomic tools for improving the breeding of zoysiagrass, an important turfgrass species used in golf courses, parks, and residential lawns. The project involves genome-wide association studies (GWAS) and genomic selection using genomics and phenomics data. The post-doctoral researcher will be responsible for analyzing phenotypic data, developing and managing databases, and visualizing results to provide insights into the genetic basis of complex traits in zoysiagrass.

Key Responsibilities:
- Conduct genome-wide association studies (GWAS) and genomic selection using genomics and phenomics data
- Analyze phenotypic data, including plant morphology, physiology, and growth characteristics, to identify traits that can be targeted for genetic improvement
- Develop and manage databases to store and organize genomics and phenomics data
- Develop and implement data visualization tools to communicate results to stakeholders
- Collaborate with other members of the research team to integrate genomics and phenomics data and develop new approaches for improving the breeding of zoysiagrass
- Prepare scientific manuscripts and present research findings at scientific conferences and meetings

Qualifications:
Ph.D. in plant genetics, genomics, or a related field
Strong background in genomics, genetics, and statistical analyses
Experience with genome-wide association studies (GWAS) and genomic selection
Experience with plant phenotyping and database development
Proficiency in programming languages, such as R and Python, for data analysis and visualization
Excellent verbal and written communication skills
Ability to work independently and in a team environment
Demonstrated track record of scientific publications

This is a full-time, 2-year position. The salary will be commensurate with experience and qualifications. The post-doctoral researcher will have access to state-of-the-art plant science facilities and will work in a collaborative and supportive research environment.

To apply: Visit https://tamus.wd1.myworkdayjobs.com/AgriLife_Extension_External and search for position # R-062239

Please submit a cover letter highlighting your interest and suitability for the position, your curriculum vitae and names and contact information of three references. Please reach out to Dr. Ambika Chandra at a-chandra@tamu.edu if you have any questions regarding the position.