Assistant/Associate Professor: Systems Plant Physiology

Texas A&M AgriLife Research, Uvalde (http://uvalde.tamu.edu/) is seeking a highly motivated and visionary plant systems biology/molecular physiologist at the Assistant Professor level for a 12-month position (100% research). The successful candidate will lead a national research program that will develop, integrate and apply modern molecular techniques to discover and deploy important traits in high value horticultural and field crops. The candidate will join a crop improvement program to provide innovative solutions to plant productivity issues such as water deficit stress, nutrient use efficiency, heat and drought stress, pest and disease resistance. He/she will engage in gene discovery, investigate developmental mechanisms of plant stress adaptation and conduct field evaluations to improve the efficiency of breeding programs and crop management under diverse environments, including organic and conventional systems. Application of new knowledge should drive research that can be used by breeders to meet strategic goals and help physiologists to understand molecular linkages of important cascades regulating plant growth or whole plant/root processes, for example those that control nutrient uptake and cycling, water uptake and osmoregulation, or plant growth and flowering in response to various crop management practices and environments.

The candidate will be part of a multidisciplinary team comprised of scientists with complementary expertise in agronomic and horticultural cropping systems, environmental stress physiology, plant breeding and molecular genetics. He/she will have ample opportunities to collaborate with AgriLife research scientists and extension specialists at centers around the State, the AgriLife Genomics and Bioinformatics Laboratory (http://www.txgen.tamu.edu/) and academic departments of the Texas A&M University System. The applicant will be responsible for discovery, invention disclosures and patent applications.

Qualifications:

- Ph. D. degree in plant physiology, plant science, horticulture, systems biology or related field of study.
- Solid background in integrating molecular aspects of whole plant/root processes as they relate to cropping system management and crop improvements.
- Excellent written and oral communication skills, including a demonstrated ability to publish in top-tier peer-reviewed journals.
- Potential to garner extramural contracts and competitive grants and to participate in collaborative research programs.
- Commitment to foster graduate student research and training.

Texas A&M AgriLife Research (http://agriliferesearch.tamu.edu) is the state’s premier research agency in agriculture, natural resources, and life sciences. A member of the Texas A&M University System, AgriLife Research collaborates with the Texas A&M University College of Agriculture and Life Sciences, the Texas A&M AgriLife Extension Service, and many others to help fulfill the A&M System’s land-grant mission of teaching, research, extension, and service.

Interested candidates should submit a cover letter, curriculum vitae, a statement of research interests and experiences, a statement of their motivation to be a part of this program and names/contact information of four references online at https://greatjobs.tamu.edu/. Review of applications will begin June 1, 2015 and will continue until the position is filled. Please refer to NOV#08461. Only applications submitted online will be considered. For additional information contact Dr. Daniel I. Leskovar, Search Committee Co-Chair at 830.278.9151 or d-leskovar@tamu.edu. All inquires are confidential.

Texas A&M AgriLife Research is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer.