Assistant/Associate Professor in Plant Physiology and Phenotyping
Texas Tech University

Job Title	Assistant/Associate Professor in Plant Physiology and Phenotyping
Department	Plant & Soil Science https://www.depts.ttu.edu/pss/index.php
Institution	Texas Tech University Lubbock, Texas
Date Posted	Apr. 24, 2025
Application Deadline	Jun. 15, 2025
Position Start Date	Sep. 1, 2025
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Plant Genetics
Job Website	https://www.texastech.edu/careers/contact-hr.php
Apply Online Here	https://www.texastech.edu/careers/contact-hr.php
Apply By Email	

Job Description

The Institute for Genomics for Crop Abiotic Stress Tolerance (IGCAST) at Texas Tech University invites applications for a tenure-track faculty position at the Assistant or Associate Professor level (9-month appointment). We seek candidates with expertise in plant physiology, large-scale phenotyping, and advanced image analysis using diverse platforms and wavelengths. IGCAST faculty hold academic appointments in the Department of Plant and Soil Science, Davis College of Agricultural Sciences and Natural Resources. The successful candidate will develop a high-impact, internationally recognized research and teaching program integrating phenotyping with genomic diversity to improve

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crop resilience to abiotic stresses. Target crops include cotton, sorghum, and others relevant to West Texas agriculture. Applicants with experience using high-throughput phenotyping systems, such as PhenoAIxpert, Field Scanalyzer, drone, or satellite-based imaging, are strongly encouraged to apply. A systems biology approach spanning genome to phenome is expected. This position offers excellent opportunities for interdisciplinary collaboration and access to advanced research infrastructure, including a state-of-the-art PhenoAIxpert HT platform in a controlled greenhouse environment.

Position Description: Contributes to Texas Tech University's mission through research, teaching, service, and engagement with industry and stakeholders.

Preferred Qualifications: Applicants must possess a Ph.D. in plant biology, genomics, or bioinformatics and at least two years of postdoctoral experience in high-throughput phenomics and image analysis. Familiarity with the PhenoAIxpert HT or similar systems is highly desirable. Candidates should exhibit strong communication and analytical skills, a record of cross-disciplinary collaboration, and effective teaching at the undergraduate and/or graduate levels. A successful track record in securing competitive funding, publishing in top-tier journals, and mentoring diverse student populations is expected. The ability to foster industry partnerships and public-private collaborations is a plus.

Salary and Benefits: Texas Tech offers a competitive salary commensurate with qualifications and experience and a comprehensive benefits package that includes health insurance, retirement plans, and professional development support.

Application Process: Applications must be submitted online at https://www.texastech.edu/careers/ (search Requisition **# 40777BR**). Please include a full CV, teaching evaluations (if available), a statement of research, teaching, and outreach & engagement philosophy. Applicants should also provide names and contact information for five references. The application submission deadline through the online portal is **June 15, 2025 (Email applications are not accepted).**

Inquiriesmay be directed to Dr. Noureddine Abidi, Search Committee Chair, Texas Tech University, Phone: 806-834-1221 | Email: noureddine.abidi@ttu.edu.

The review of applications will begin on June 16, 2025. Anticipated start date is 9/1/2025.

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EEO/AA Policy

Texas Tech is an Affirmative Action/Equal Opportunity Employer. We strongly encourage applications from women, minorities, persons with disabilities, and veterans, and we consider the needs of dual-career couples.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Lori Walraven
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