Assistant'/Associate Professor in Plant Phenomics & Image Analyis
Texas Tech University

Job Title	Assistant'/Associate Professor in Plant Phenomics & Image Analyis
Department	Plant & Soil Science https://www.depts.ttu.edu/pss/
Institution	Texas Tech University Lubbock, Texas
Date Posted	Feb. 16, 2024
Application Deadline	Apr. 15, 2024
Position Start Date	Sep. 1, 2024
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Agricultural - General
Job Website	https://www.depts.ttu.edu/hr/workattexastech/
Apply Online Here	https://www.depts.ttu.edu/hr/workattexastech/
Apply By Email	

Job Description

The Institute of Genomics for Crop Abiotic Stress Tolerance, Department of Plant and Soil Sciences in the Davis College of Agricultural Sciences & Natural Resources at Texas Tech University invites applications for a 9-month tenure-track Assistant Professor/Associate Professor in Plant Phenomics and Image Analysis beginning from September 2024.

In line with TTU’s strategic priorities to engage and empower a diverse student body, enable innovative research and creative activities, and transform lives and communities through outreach and engaged

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scholarship, applicants should have experience working with diverse student populations at the undergraduate and/or graduate levels within individual or across the areas of teaching, research/creative activity, and service.

As part of the TTU's strategic priorities, IGCAST is seeking to recruit a 9-month tenure-track faculty member in Plant Phenomics and Image Analysis at the Assistant or Associate Professor level, depending on the candidate's qualification and experience. Qualified candidates should have a strong background in large-scale phenotyping, and analysis of images generated with different systems and wavelengths. Applicants with experience operating high-throughput greenhouse, field-phenotyping imaging systems using PhenoAIxpert, Field Scanalyzer, and/or satellite-based drone systems are encouraged to apply. The successful candidate should employ systems biology-based approaches to study environmental stress responses from genome to phenome. Additional knowledge in plant physiology, plant development and photosynthesis is a plus. Appointees are expected to develop an internationally recognized program in plant phenotyping research linked to the use of genomic diversity, combining fundamental research and education with applications to improvement of environmental stress tolerance of crops, mainly but not limited to, cotton, sorghum, or other crops relevant to West Texas agriculture.

Faculty at IGCAST will have access to the state-of-the-art plant growth facilities that integrate three fully automatized greenhouses and walk-in growth chambers and access to the state-of-the-art genomic, imaging, and metabolomic services available at the TTU. The position will focus on research with an anticipated teaching responsibility of one to two graduate courses per year, plus the training of graduate students and post-doctoral associates. Service duties include program-building, as well as a commitment to extra-curricular activities. Service to the department, college, and university is expected. Successful candidates are expected to publish in the top 10% of journals in their area of expertise.

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.

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Contact Information

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

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