Postdoctoral Fellow Positions in Abiotic Stress Tolerance at University of Nebraska Lincoln

Two Postdoctoral Scholar positions are available in the Walia Lab at University of Nebraska-Lincoln to study abiotic stress tolerance mechanisms in cereals crops.

First position will focus on **Crop Genetics and Genomics** with emphasis on generating and utilizing image-based phenomics dataset for heat and drought tolerance in rice, wheat and maize. We are using cutting-edge, image-based phenomics approaches to screen for stress resilience and linking these traits to the genes/alleles. Skills in large-scale dataset, bioinformatics, image-analysis, GWAS approaches are desirable. This project presents opportunities to work in a collaborative environment with data scientists and biologists. University of Nebraska has state-of-the-art phenomics facilities that are being used for the high night temperature project.

Second position will focus on **Molecular Responses to Abiotic Stresses in Crops**. The goal of this project is to develop molecular understanding of interactions between developmental events and environmental stresses (heat and drought). Primary emphasis of this position is on Seed Development and Stress. Experience in gene editing, mutant analysis, plant transformation, seed biology, epigenetics and expression analysis are highly desirable.

Applicants must have a Ph.D. in Plant Biology, Molecular Biology, or Plant Genetics, or a closely related field at the time of hiring. Preference will be given to candidates with evidence of publications and strong interest in using genetic and functional genomics approaches. Salary is commensurate with experience and qualifications.

More information about the research program is available at http://cropstressgenomics.org and wrchr.org.

Interested candidate should apply by email to Dr. Harkamal Walia (hwalia2 at unl dot edu). The email should include the following: (1) CV, (2) publications, and (3) contact information for 3 references.