A postdoctoral position in Plant Phenomics is available at University of Nebraska-Lincoln (UNL). We seek a highly motivated individual who will use state-of-the-art image-based phenotyping and conventional phenotyping approaches to gain understanding of dynamic growth responses to abiotic stresses in major crops. This is a collaborative project between the Walia lab (cropstressgenomics.org) and Valent BioSciences Corporation. VBC is a leading supplier of environmentally friendly, highly effective biorational products and services for agriculture (http://www.valentbiosciences.com/). This position presents a unique opportunity for the selected candidate to develop strong linkage with an industry partner while gaining research experience in an academic environment. The candidate will use image-based phenotyping platform at UNL to study above ground plant growth dynamics under varying environmental inputs. UNL has a newly established plant phenomics facility (http://innovate.unl.edu/greenhouse-innovation-center). Another component of the project is focused on the using root imaging and conventional phenotyping approaches for better understanding root growth and architecture in response to environmental restraints such as drought stress. Applicants must have a Ph.D. in Plant Biology, Molecular Plant Physiology, Plant Genetics, or a closely related field at the time hiring. The candidate must be willing to work as part of a team in a collaborative environment. Prior experience with abiotic stress tolerance, root biology, imaging, or gene expression analysis (RNA-seq, microarrays or real-time PCR) is highly desirable. Preference will be given to candidates with evidence of publications and strong interest in crop improvement using genetic and functional genomics approaches. Ability to manage large-scale data is highly desirable. Salary will be commensurate with experience and qualifications. Interested candidates should apply by email to Dr. Harkamal Walia (click the link for contact information http://agronomy.unl.edu/walia). The email should include the following: (1) cover letter explaining your research interests, (2) CV, (3) publications and/or in-press articles, and (4) contact information including phone numbers for at least three references.