



**Postdoctoral Researcher
Manhattan, KS
Full Time**

Position Summary

The Land Institute (TLI), together with Kansas State University (K-State), is seeking applicants for a Postdoctoral Researcher working in collaboration with Dr. Jesse Poland and Dr. Jared Crain to lead genomics approaches to accelerate improvement of intermediate wheatgrass (IWG, *Thinopyrum intermedium*). Collaborative research is ongoing between TLI, K-State, Univ. of Minnesota, and USDA-ARS at Logan, Utah. This position will involve developing tools and approaches that will be shared across diverse regional breeding programs. Collaborators are based in diverse locations, and the successful candidate will be able to work remotely if desired.

Responsibilities and Duties

The Postdoctoral Researcher will be expected to independently design and implement complex genomics research experiments and corresponding analysis leading to characterization of molecular diversity in the IWG breeding germplasm, application of high-throughput genomics, and whole-genome imputation. The position will require synthesis of the current state-of-the-art in the discipline, comprehensive understanding of appropriate experimental design, and subsequent analysis and bioinformatics applications. Research results must be assessed and analyzed in a cohesive and coherent manner for the project team and presented to stakeholders and external collaborators.

The Postdoctoral Researcher is expected to lead preparation and publication of peer-reviewed manuscripts that present research findings from the project. The Researcher will also work closely with other members of the regional breeding teams to implement research results leading to successful development of improved germplasm in breeding programs. The successful candidate will help create an environment that fosters collegiality, diversity and teamwork.

Qualifications

- Education/Training: Ph.D. degree in crop breeding, crop genetics, bioinformatics, genetics or a similar field.
- Knowledge of and experience in experimental design and statistical analysis.
- Good communication skills, both written and oral.

Compensation

The Land Institute offers an excellent benefits package and a competitive salary that is commensurate with experience. Timeframe: Up to three years, beginning September 2021.

About the Organization

The Land Institute is a 501 (c)(3) nonprofit organization based in Salina, Kansas, that was founded in 1976. TLI currently operates on an annual budget of approximately six million dollars and has 37 employees. TLI is working on a solution to one of humankind's most critical challenges: how to produce food without destroying precious soil, water, and ecological resources. TLI's core activity is research to create an agriculture that incorporates many aspects of what makes natural ecosystems sustainable—especially diversity and perennality. In practical terms this equates to breeding perennial cereal, legume and oilseed crops and experimenting with growing them in polycultures that maintain fertility and deter pathogens and herbivores. For more information, please visit www.landinstitute.org.

To Apply

To be considered for this position, interested candidates should submit a resume, cover letter, and contact information for three references to careers@landinstitute.org.

The Land Institute is an equal opportunity employer and actively encourages applications from women and people of all ethnic and national origins and sexual orientations.