

Xiaofei Zhang

SENIOR SCIENTIST

4505 Redwood Circle, 55345, Minnetonka, MN

+1 612 802 8711 | ✉ xiaofei.zhang@cgiar.org | [in](#) [xiaofeibreeder](#)

Profile

- Lead the global breeding team with purpose, trust, consistency, and credibility.
- Have more than 10 years of experience in applied breeding pipeline management.
- Manage multiple projects with approximately \$3 Million every year.
- Master quantitative genetics, statistics and experimental design.
- Advanced ability to program in R to analyze data and develop tools.
- Hands-on experience in processing large and complex breeding data.

Education

Shenyang Agricultural University

BS IN AGRONOMY

Liaoning, China

2000-04

University of Chinese Academy of Sciences

PH.D. IN PLANT BREEDING

Beijing, China

2004-10

Experience

Institute of Crop Sciences, Chinese Academy of Agricultural Sciences

POSTDOCTORAL RESEARCHER

Beijing, China

2010-12

University of Minnesota

RESEARCH ASSOCIATE-BREEDER

Minnesota, USA

2012-17

North Carolina State University

SWEETPOTATO BREEDER

North Carolina, USA

2017-19

The Alliance of Bioversity International and CIAT, CGIAR

GLOBAL CASSAVA BREEDING LEAD

Cali, Colombia

2019-Now

Publications

1. Hernán Ceballos, Clair Hershey, Carlos Iglesias, **Xiaofei Zhang** (2021) Fifty years of a public cassava breeding program: evolution of breeding objectives, methods, and decision-making processes. *Theoretical and Applied Genetics* (2021) 134:2335–2353.
2. Prabin Bajgain, **Xiaofei Zhang**, Jacob M. Jungers, Lee R. DeHaan, Brett Heim, Craig C. Sheaffer, Donald L. Wyse, James A. Anderson (2020) ‘MN-Clearwater’, the first food-grade intermediate wheatgrass (*Kernza* perennial grain) cultivar. *Journal of Plant Registrations*.
3. Prabin Bajgain, **Xiaofei Zhang**, James A. Anderson (2020) Dominance and G×E interaction effects improve genomic prediction and genetic gain in intermediate wheatgrass (*Thinopyrum intermedium*). *The Plant Genome*.
4. Steve Larson, Lee DeHaan, Jesse Poland, **Xiaofei Zhang**, Kevin Dorn, Traci Kantarski, James Anderson, Jeremy Schmutz, Jane Grimwood, Jerry Jenkins, Shengqiang Shu, Jared Crain, Matthew Robbins & Kevin Jensen. (2019) Genome mapping of quantitative trait loci (QTL) controlling domestication traits of intermediate wheatgrass (*Thinopyrum intermedium*). *Theoretical and Applied Genetics* v132, 2325–2351.
5. Nidhi Rawat, Michael O. Pumphrey, Sixin Liu, **Xiaofei Zhang**, Vijay K. Tiwari, Harold N. Trick, William W. Bockus, Eduard Akhunov, James A. Anderson, and Bikram S. Gill. (2017) Wheat Fhb1 encodes a chimeric lectin with agglutinin domains and a pore-forming toxin-like domain conferring resistance to Fusarium head blight. *Nature Genetics*.
6. **Xiaofei Zhang**, Ahmad Sallam, Liangliang Gao, Traci Kantarski, Jesse Poland, Donald L. Wyse, Lee DeHaan, James A. Anderson. (2016) Establishment and optimization of genomic selection to accelerate the domestication of intermediate wheatgrass (*Thinopyrum intermedium*). *The Plant Genome*.
7. And more on **Google Scholar**

