

ICGI Structural Genomics
Lori Hinze
Research Geneticist
US Department of Agriculture, Agricultural Research Service
Crop Germplasm Research Unit
College Station, Texas, USA

I am a Research Geneticist and have worked with the U.S. Department of Agriculture for 20 years. My research focuses on characterizing and evaluating the diversity within cotton genebanks and using that knowledge to develop germplasm with enhanced agronomic traits, fiber quality, and/or seed quality. I have enjoyed opportunities to work with the cotton community to accomplish analysis of cotton diversity using a SNP array as well as genetic analysis of agronomic, fiber, and seed traits and sequencing and mapping of cotton genomes. Through the international scope of ICGI, I am interested in working to better annotate existing genomes with markers, QTL, and genes linked to phenotypic traits and using that information to understand the diversity that is held in different genebanks for the benefit of the global cotton community. Preserving and fully describing the genetic resources we have provides a sound foundation for the world-wide agricultural future of cotton. Sharing resources to gain a better genotypic and phenotypic understanding of cotton genomes, we are better equipped to benefit the cotton community. Thank you for considering me for this position.