

ICGI Candidate Biographical Sketch
Peng W. Chee
Professor
Cotton Molecular Breeding

My research interests focus on developing and applying genomic tools to cotton improvement. As such, my lab is heavily involved in applying genomics to understand the structure, function and evolution of the cotton genome. For example, my lab has participated in the development of several genetic maps of cotton and has been in the forefront in discovering QTLs for a host of traits including fiber quality and disease resistance. The genome sequence of diploid and tetraploid cottons promise to bring unprecedented tools to structural genomic research, however the cotton community is now also faced with new challenges such as decisions on accessing and utilizing large genomic data sets, developing a standardized gene nomenclature and so on. I have a long history of affiliation with ICGI, which includes serving in many important roles over the years in our organization. If elected for the co-chair of the Structural Genomics Workgroup, I would strive to work with others in a coordinated effort to address these issues in the post sequencing era of cotton genomics.