

Professor Tian Zheng, Ph.D.

Professor Tian Zheng is currently associate professor in the Department of Statistics at Columbia University. She received her Ph.D. from Columbia University in 2002. For her research, Dr. Zheng designs and studies new statistical methods for analyzing high-dimensional and complicated data from genetics, biology and social sciences. Dr. Zheng is the co-PI of the statistical genetics research group at the Department of Statistics, Columbia University. She is also a Fellow in the Applied Statistics Center at Columbia. Dr. Zheng's research is supported by NSF and NIH.

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Title: Studying co-regulation and inter-regulation of genes via eQTL mapping

Abstract:

eQTL mapping is to find loci on human genome that have demonstrated linkage to or association with the expression of a gene in microarray hybridization experiments. Such identified loci may contain important information on the regulatory factors of the given gene under study. In this talk, I will discuss co-regulation and inter-regulation patterns identified via similar strategies.