



**Graduate Student Research Assistant**  
Department of Statistics and Management Science

Sep 1998 ó May 1999

2006

Chen L, **Qin ZS**, Liu JS. (2001) Exploring Hybrid Monte Carlo in Bayesian Computation. *Bayesian Methods with Application to Science, Policy and Official Statistics*. 71-80.

**Qin ZS**, Liu JS. (2001) Multi-Point Metropolis Method with Application to Hybrid Monte Carlo. *J. Comp. Phys.* **172** 827-840.

#Niu T, #**Qin ZS**, Xu X, Liu JS. (2002) Bayesian Haplotype Inference for Multiple Linked Single Nucleotide Polymorphisms.



Bommer

\*Choi H, Nesvizhskii A, Ghosh D, **Qin ZS**. (2009) Hierarchical Hidden Markov Model with





Bayesian Model-based Methods for Analyzing RNA-Seq Data. *ENAR 2011*

Statistical Modeling of RNA-seq Data. Division of Biostatistics,

## **Software developed**

- ◁ **EM-DeCODER** (haplotype phasing using EM algorithm).

Computational Biology and Bioinformatics,



