

**THE CHINESE UNIVERSITY OF HONG KONG**

*Department of Statistics*

will present a seminar entitled

**ChIPing the human Cistrome**

by

**Professor Xiaole Shirley Liu**  
**Department of Biostatistics, Harvard University**

on

**Tuesday, 28 October 2008**

**2:00pm – 3:00pm**

in

**Lady Shaw Building C4**  
**The Chinese University of Hong Kong**

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**Abstract:**

Cistrome defines the set of cis-acting targets of a trans-acting factor on a genome scale. To this end, we have developed a number of algorithms for genome-wide ChIP-chip and ChIP-Seq data analysis, including binding site peak finding, motif analysis, nucleosome positioning, and integrative modeling of transcription mechanism. I will present some of the algorithms, and their applications to understanding nuclear receptor regulation in cancers.

**All are Welcome**