BIOSTATISTICS SEMINAR

Statistical Genetics of Gene Expression

Dr. John Storey
Department of Molecular Biology
Princeton University

Abstract

With the increasing availability of genomics technologies, it is becoming common to integrate two or more levels of genomic information in a given study. In this talk, I will consider several statistical problems arising from the joint analysis of genome-wide genetic variation and gene expression, including: (1) obtaining informative and unbiased tests of associations between genetic loci and gene expression variation and (2) building causal models connecting genetic variation to transcriptional regulation, and ultimately to complex traits. I will also make connections to more general statistical challenges emerging from integrative genomics studies.

The Johns Hopkins Bloomberg School of Public Health
Department of Biostatistics, Wednesday, November 4, 2009
Room W2030 School of Public Health, 4:00-5:00pm (Refreshments: 3:30)

For disability access information or listening devices, please contact the Office of Support Services at 410-955-1197 or on the Web at www.jhsph.edu/SupportServices, EO/AA