Statistical analysis of time-course tiling array data

Anat Reiner-Benaim, Haifa University

Abstract:

I will discuss my experience in analyzing time-course tiling array expression data for the purpose of detecting sequences of interest along the genomic sequence. The data is treated as multiple gene-wise sequences rather than one long sequence,. The data calibration, statistical testing, p-value estimation and performance evaluation will be discussed, as well as open issues. The data used is from an experiment designed to detect intronic regions which are active during meiosis in the yeast genome.