[1] [2] [3] [4] [5]

**Reviews on:**

Bioinformatics

Microarray

Algorithms gene network

Generank

**Bioinformatics book**

Chapters 10,11,12,13,15

**FROM GeneRank paper:**

Measurement variability

Network graph -> undirected

Expression profile correlation coefficient

Differential expression, p-values

Biological process, Cellular component, Molecular function

Degree, out degree (web pages and for genes)

Vectror 1-norm

**MicroArray enriched GeneRank (look at reference list, lots in there):**

The Squared pearson coefficient

Bold face to denote vectors and matricies

Log-transformation

Coefficient of determination

Cluster analysis (k-means, hierarchical etc)

Eigen-vector

Gaussian density

Stochastic matrix

**Vital statistics:**

No new terms

**Making sense of microarray data to classify cancer**

No new terms

**Graph-based iterative Group Analysis enhances microarray interpretation**

Pysiologically

Look at yeast diauxic shift experiment

t-statistic (ref 1)

strong non-parametric RankProducts (ref 2)

metabolic network

(Yeast used as a test case as the biology and GO is very well developed and understood)

**Discovering regulatory and signalling circuits in molecular interaction networks.**

Proteomics

Transcription factor

Genetics

only looking at expression of a gene doesn't tell all, one gene could code for multiple protiens!