

# Analysis of cDNA microarray experiments

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## Abstract

In this work we present the most useful practical results from the literature about microarray data analysis. Statistical analysis of microarray experiments gives the possibility of better understanding and systematizing the knowledge of gene expression. The main topics of the paper are image analysis, normalization, cluster analysis and tests for differences in gene expression. It should be noted, that the results of such experiments are usually distorted. The normalization process allows to eliminate errors and to make comparison between distinct microarrays more efficient and reliable. The presented review leads through all steps in the microarray data analysis, especially normalization process, and gives a basic understanding of the challenges in interpreting large datasets.

## Keywords

Microarray, Normalization, Clustering.