

cDNA microarray**Huei-Wen Chen, PhD.**

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In the post-genomic era, cDNA microarray can be used to measure the expression patterns of thousands of genes in parallel, generating clues to gene function that can help to discover the miracle of physiological changes or to identify appropriate targets for diagnosis or therapeutic intervention in some diseases. They can also be used to monitor dynamic changes in gene expression in response to drug treatments. Recently, cDNA microarray technology has been used in the reproductive biology, including folliculogenesis, sexual development, early-gestation chorionic villi and decidual, mid-gestation placenta and embryo, and endometriosis. Here, we will introduce this advanced technology, discuss the applications in basic and clinical studies, and also show some recently findings in our laboratory.