

SeouLin Workshop

Multiple format DNA Microarray and diverse application

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GeneChip® System provides a systems biology perspective for both expression profiling and genotyping. The Integrated system gives scientists the flexibility to view the genome at a global level or focus on a specific subset of genes.

By access to more advanced array designs compatible with the latest generation GeneChip system, more complete set of multiple format arrays such as 100K/500K SNP Mapping Arrays, Whole-Genome and Promoter Tiling Arrays, smaller-feature CustomExpress® Array and CustomSeq® Array designs, and Targeted Genotyping array has been available. With the help of this technological advance, applications will be quite expanded to include additional genomics research

- Splice variant analysis with Exon array
- DNA Copy Number with SNP array
- Whole-transcriptome analysis
- Studies of regulatory mechanisms using tiling array
- Whole-genome association studies
- Target genotyping

The GeneChip system, by integrating RNA analysis and DNA analysis on a single platform, provides a total solution to elucidate complex mechanisms and networks underlying biological processes and diseases.

This integrated platform allows researcher to conduct a wide range of experimental studies to obtain more complete understanding of the biological system.

References

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