



OMICs and Complex Diseases

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Message from the Collection Editors

Omics, which includes genomes, epigenomics, lipidomics, transcriptomics, proteomics, microbiomics, and metabolomics, is a fast-developing, multi-disciplinary, and growing discipline. In ways that were previously unimaginable, each of these domains provides the opportunity to comprehend and observe science from a global perspective. High-throughput methodologies can rapidly provide a global picture of the processes within cells at multiple levels, allowing for accelerated discoveries in health and disease.

Although the results of "omics" are still preliminary and little is known from large epidemiological studies, it is believed that they are inevitably important technologies for future discoveries in health and disease.

Recent breakthroughs in "omics" technologies have opened up various new opportunities for novel discoveries in the diagnosis, treatment, and prevention of diseases. These new "omics" technologies have the potential to significantly improve our understanding of the complex relationships that exist between lifestyle (food and nutrients), metabolism, and complex diseases.





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Message from the Editor-in-Chief

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