



Modern Approaches in Molecular Genetics and Tissue Bioengineering: Role of Associated Biomarkers

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Message from the Guest Editors

There is a wide range of advanced approaches in molecular genetics and bioengineering from cell signalling and functional tissue engineering to cell-matrix interaction and tissue structure-function. The application of biomarkers in the diagnosis and management of several diseases, such as cardiovascular disease, infections, immunological and genetic disorders, and cancer are well known. Their use in research has grown out of the need to have a more direct measurement of exposures in the causal pathway of disease that is free from recall bias and that can also have the potential of providing information on the absorption and metabolism of the exposures. Recent studies on biomarkers have demonstrated their potential roles in molecular biology and laboratory technology. Therefore, applying novel molecular methods to determine molecular biomarkers can be regarded as a strong procedure in disease prevention, diagnosis, and management.





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Message from the Editor-in-Chief

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