

## Special Issue

# Artificial Intelligence/ML in Molecular Cancer Research

### Message from the Guest Editor

Cancer Disease is the manifestation of abnormalities of different physiological processes involving genes, DNAs, RNAs, proteins, and other biomolecules whose profiles are reflected in different omics data types. As these bio-entities can be very much correlated, integrative analysis of different types of omics data, multi-omics data, is required to understanding the disease from risk assessment, early detection and prediction, tumorigenesis, disease progression and treatment effects. Artificial intelligence (AI), specifically machine/deep learning algorithms, could make decisive interpretation of “big”-sized complex data and, hence, appears as the most effective tool for the analysis and understanding of multi-omics data for patient-specific observations. The Special Issue will be focused on the integrative approach to several OMICs platforms to connect simultaneously Genome, Epigenome, Transcriptome, Proteome, Metabolome in complex diseases. The secondary endpoint is the application of advanced statistical methods with the goal to infer about causality in desperate study design as case-control, prospective, cross-sectional, systematic review and metaanalysis.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2024)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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