

Special Issue

Artificial Intelligence in Biomarker Discovery

Message from the Guest Editor

Biomarkers are the cornerstone of precision medicine: identified as measurable indicators of some biological state or condition, they promise to offer solutions for accurate diagnosis, prognosis, and therapeutic monitoring. Over the last 2 decades, the high throughput technology in biomedicine has demonstrated significant advancements, leading to a vast accumulation of publicly available precious x-omics high dimension biological datasets, presenting welcoming opportunities for new science.

Potential topics include but are not limited to machine learning for biomarkers in precision oncology, machine learning tools for feature selection or dimensionality reduction in molecular biology, text mining tools and pathway analysis for biomarker exploration, artificial intelligence in microbiome analysis, artificial intelligence in epigenetic biomarkers and epitranscriptomics, machine learning tools in drug discovery, biomarker retrieval and knowledge reasoning systems in molecular biology, and data integration in biomedical or biomarker research.

Guest Editor

Prof. Dr. Ekaterini Chatzaki

Laboratory of Pharmacology, Medical School, Democritus University of Thrace, 68100 Alexandroupolis, Greece

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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