

Special Issue

Application of High-Throughput Omics Sequencing in Personalized Medicine

Message from the Guest Editor

Personalized medicine is fundamentally changing how health care is practiced. One important component of this field is the use of an individual's omic information to offer targeted treatment, tailored to the patient. This Special Issue welcomes original investigations, novel methodologies, and concise review manuscripts focusing on the use of omics datasets in personalized medicine, including but not limited to genomics, transcriptomics, epigenomics and microbiomics. In detail, this domain requires generation of and access to massive omics and clinical datasets, as well as adequate statistical and bioinformatics tools. Therefore, we are particularly interested in manuscripts describing integrative omics databases, "big data" analysis programs or protocols, and outputs from omics consortia. Furthermore, the generation of large datasets relies on suitable technologies such as bulk, single-cell and spatial sequencing. Thus, advances in sequencing platforms and library preparation protocols allowing the characterization of any omics landscape will be welcomed in this Special Issue.

Guest Editor

Dr. Touati Benoukraf

Division of Biomedical Sciences, Faculty of Medicine, Memorial University of Newfoundland, St John's, NL A1B 3V6, Canada

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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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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