

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

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Message from the Editor-in-Chief

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