

Special Issue

Next-Generation Sequencing (NGS) Technique and Personalized Medicine

Message from the Guest Editors

Next-generation sequencing (NGS) technologies enable the sequencing of multiple genes at a very high throughput and with relatively low cost. The NGS approach has led to a significant step forward in the unbiased transcriptomic analysis of mRNAs, small RNAs, and non-coding RNAs; genome-wide methylation assays; and chromatin immunoprecipitation assays. Furthermore, it has made a major contribution to the personalized medicine field, since NGS enables the detection of both somatic and germline mutations, which are implicated in the onset and progression of various diseases, including cancers. The aim of this Special Issue is to focus on the clinical application of NGS, from molecular alterations to therapeutic approaches and personalized therapy. Authors are invited to submit original papers on the application of NGS in different clinical settings as well as reviews describing the state of the art on this topic.

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Deadline for manuscript submissions

closed (31 May 2023)



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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPlus / SciFinder, FSTA, AGRIS, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Recognition of Reviewers:

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