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Next Generation Sequencing in Clinical Diagnostics

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Deadline for manuscript submissions:
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Message from the Guest Editors

Over the last decade, Next Generation Sequencing (NGS), also referred to as Massively Parallel Sequencing, has become a mainstream sequencing technology that has dramatically changed clinical and research capabilities. The constant evolution of NGS platforms has resulted in a continuously growing number of clinical applications offering invaluable individualized data to help deliver the promise of personalized medicine. Due to a dramatic reduction in costs, and improvements to library preparation methods, NGS has been widely implemented as a standard of care to detect clinically actionable somatic and germline variants. It has been also successfully applied to a growing list of clinical applications.

This Special Issue, entitled "Next Generation Sequencing in Clinical Diagnostics", aims to present and summarise the enormous progress that has occurred in the clinical implementation of NGS testing as well as offer an outlook to the future of NGS clinical applications. We invite original research and reviews describing the development, implementation, application and advances of NGS testing in the clinical setting.

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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