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Triggering Forces of Chromosome Instability

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Deadline for manuscript
submissions:

closed (20 March 2023)

Message from the Guest Editors

Dear Colleagues,

Chromosomal instability has proven an essential biomarker for the management of patients with cancer, inflammatory diseases, and of individuals in otherwise healthy populations exposed to genotoxic agents, and of their progeny.

Ample evidence acquired during the past decades has demonstrated the predictive and prognostic value of chromosomal instability as a biomarker for treatment response and clinical outcomes in these populations. In spite of the achievements applying chromosomal instability as biomarkers in the clinic, the development and standardization of the approaches for their detection are still required for the use of this concept in personalized medicine.

This Special Issue gathers original research papers and review papers on the development of novel approaches for the detection of chromosomal instability, on the underlying mechanisms leading to chromosome instability in different populations, on implications of chromosomal instability in the clinical outcomes of patients, and finally, on the use of insights into chromosomal instability mechanisms to design novel and specific therapeutic interventions that may improve future treatments.



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Special Issue



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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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