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Epigenetic and Genetic Instability in Cancer: From Basic Mechanisms to Translational and Clinical Applications

Guest Editors:

Prof. Dr. Rabii Ameziane El Hassani

Dr. Said Aoufouchi

Dr. Leticia Lerner

Dr. Xavier Renaudin

Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to contribute to this Special Issue on ‘Epigenetic and Genetic Instability in Cancer: From Basic Mechanisms to Translational and Clinical Applications’. In this Special Issue, we seek original research, review, mini-review, hypothesis and theory, clinical trial and opinion articles that cover but are not limited to the following subjects:

Deadline for manuscript submissions:

closed (25 November 2023)

- Understanding the molecular mechanisms of epigenetic instability in cancer: DNA methylation, microRNA, histone modifications;
- Understanding the molecular mechanisms of genetic instability in cancer: DNA damage signaling and DNA repair proteins, oncogenes, tumor suppressors;
- Spatiotemporal dynamics of chromatin in cancer;
- Epigenetics and associated mechanisms that alter chromatin in response to physiological or pathological signals;
- Genome editing technology in cancer;
- Methods of detection/analysis of genetic and epigenetic instability in cancer;
- Genetic and epigenetic biomarkers: identification approaches and clinical use.



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Special Issue



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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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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Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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