

## Special Issue

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

### Message from the Guest Editors

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:

- 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.

### Guest Editors

Prof. Dr. Rabii Ameziane El Hassani

Dr. Said Aoufouchi

Dr. Leticia Lerner

Dr. Xavier Renaudin

### Deadline for manuscript submissions

closed (25 November 2023)

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## Genes

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## About the Journal

### Message from the Editor-in-Chief

*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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