genes

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Development of New Cancer Treatment by Identifying and Targeting Pathogenic Abnormalities of Genes

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Message from the Guest Editor

Abnormalities of genes bring about changes in cellular functions, and thereby lead to the development of specific pathologies, in particular cancers. Therefore, the identification of such abnormalities provides a great advantage to the invention of new cancer treatment strategies.

Currently, abnormalities associated with cancers can be approached by small molecule drugs, monoclonal antibodies or gene therapy. However, it has been clarified that tumorigenic abnormalities of genes include not only mutations, but also aberrant alternative splicing, and uncontrolled gene expression by epigenetic factors and non-coding genes, most of which are not sufficiently understood yet.

This Special Issue calls for original articles, short reports, reviews, and perspectives covering novel tumorigenic abnormalities of coding and non-coding genes, and epigenetic factors that advance our current understanding of cancers. Besides, studies investigating novel small molecules, antibodies, and gene therapy targeting tumorigenic abnormalities are also welcome.

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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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