Special Issue

Clinical Molecular Genetics in Hematologic Diseases

Message from the Guest Editors

Hematologic diseases comprise a wide spectrum of disorders affecting blood and blood-forming organs, including both cancerous and noncancerous diseases. Many noncancerous hematologic diseases are caused by inherited genetic aberrations. For example, Factor Five Leiden thrombophilia, a blood clotting disorder manifesting as deep vein thrombosis in the legs or pulmonary embolism in adults, is caused by a heterozygous or homozygous c.1601G>A (p.Arg534Gln) variant in the F5 gene, which is inherited from an affected parent in an autosomal dominant manner. Hemophilia A, a type of bleeding disorder manifesting mostly as prolonged bleeding time after injuries and spontaneous bleeding, is caused by various mutations of the F8 gene and inherited in an X-linked manner. Many cancerous hematologic diseases, or hematologic malignancies, have been characterized by recurrent genetic alterations presenting in various forms.The precise detection of these genetic aberrations plays a critical role in the establishment of diagnosis and the optimal clinical management of hematologic diseases.

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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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