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Gene Editing for Therapy and Reverse Genetics of Blood Diseases

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Gene editing is increasingly taking center stage for both basic research and translational studies. The key driver of this development is the rapidly growing adoption of editing technology and, in particular, fast-evolving RNA-guided CRISPR/Cas tools, which, with their versatility and ease of use, have facilitated the development of double-strand-break-independent editors and the exploration of new fields of application. In particular blood biology and disorders are a favorite focus of gene editing, motivated by a relatively high prevalence of monogenic, infectious and complex diseases affecting blood cells, and helped by the accessibility of hematopoietic stem and progenitor cells for manipulation.

This Special Issue aims to showcase the application of gene editing technology in therapy development and research for blood diseases. We welcome Articles, Communications and Reviews providing new insights into (i) developmental and disease mechanisms; (ii) the establishment or study of disease models; (iii) the creation of new editing platforms and molecules for diagnosis, functional study or therapy; (vi) the refinement of corresponding delivery, targeting and culture procedures.

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Editor-in-Chief

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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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