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Advances in Non-viral Gene Transfer for Gene Therapy Applications

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Message from the Guest Editors

The field of gene therapy has experienced steady advances in recent years, particularly around viral gene transfer. At the same time, an array of nonviral vectors is currently developing, designed to address the drawbacks of viral vectors on issues such as safety, efficiency of industrial production, cost, etc.

The aim of this Special Issue is to provide a forum for scientists dedicated to research on the various kinds of non-viral vectors for gene therapy, spanning all diseases, acquired or inherited, to make their impact, no matter how big or small, and to allow new insights to be revealed and novel perspectives for gene therapy applications to be formulated.

Contributions are expected on all kinds of non-viral systems, such as episomal vectors including minicircles, nanoS/MAR, pFAR, or promotorless' vectors and any other or newer similar systems, plasmids, transposons, etc. and their delivery, as well as on all kinds of disease or situations whether the vector is required to function transiently, e.g., in cancer, the production of CAR-T cells or iPS cells, or more long term, as is the case with the gene therapy of inherited diseases.



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Special Issue



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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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