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Gene Editing in Animal System

Guest Editor:

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Message from the Guest Editor

Currently emerging gene editing techniques have shown promise for applications in developing genetically modified models and for the biomedical study of farm animals and livestock breeding. The Special Issue focuses on advances in genome editing techniques and their applications in animal systems. The gene editing methods and tools mentioned above can include traditional homologous recombination; popular engineered nucleases, such as ZFN, TALEN, CRISPR, and base editors; and newly emerging tools. The studies we have collected include the development and optimization of gene editing approaches applicable to animal cells, embryos, and tissues; the application of gene editing techniques for genetic modifications of animals for biomedicine and agricultural purposes; and gene therapy in animal models via the delivery of engineered nucleases for in vivo genome editing. We also welcome articles discussing current regulations of gene-edited livestock for human use and consumption.



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Special Issue



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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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