

## Special Issue

# Recent Advances in Genome-Edited Animal Models

### Message from the Guest Editors

Recent advances in genome editing technologies such as CRISPR/Cas9, base editing, and prime editing have revolutionized our ability to engineer mammalian genomes with unprecedented precision. The combination of the existing transgenic approaches and the embryo manipulation further accelerated the generation of sophisticated animal models to study gene function, complex diseases, and developmental biology. This Special Issue focuses on recent studies in multiplex gene editing, high-efficiency knock-in strategies, in vivo functional genomic screening, and model systems mimicking zygotic genome activation. In addition, we invite researchers worldwide to contribute to our efforts in exploring the applications of genome editing platforms in disease modeling, regenerative biology, and precision medicine. Original research articles and comprehensive reviews that provide technical innovation, biological insight, or translational potential in these areas are highly encouraged. This collection aims to highlight the latest breakthroughs and challenges in this rapidly evolving field.

### Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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