

Special Issue

Technologies and Applications of Genome Editing

Message from the Guest Editor

Genome editing has revolutionized modern biology by enabling precise and efficient modification of genetic sequences. CRISPR/Cas systems in particular have become indispensable tools for creating animal models that replicate human disease phenotypes, providing critical platforms for studying disease mechanisms and developing novel therapeutic strategies. In this Special Issue, “Technologies and Applications of Genome Editing”, we aim to highlight cutting-edge advances in genome editing strategies, delivery systems, and functional applications across diverse fields. Topics include novel editing approaches, improvements in accuracy and efficiency, and innovative uses in generating preclinical models. We welcome contributions that showcase technical innovations, successful case studies, and future directions that demonstrate how genome editing can accelerate translational research and drive breakthroughs in health and biotechnology.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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