Special Issue

CRISPR-Based Nucleic Acid Detection and Genome Editing in Animals

Message from the Guest Editors

Genome editing methods have resulted in profound changes in the field of molecular biology science. Beyond their widespread application as genome-editing and regulatory tools, CRISPR/Cas systems also play a critical role in nucleic acid detection due to their high sensitivity and specificity. The basic aim of this Special Issue is to provide a platform for researchers, innovators, scholars and students worldwide to share their research with us. The scope of the Special Issue covers all areas of CRISPR-based nucleic acid detection and genome editing in animals, including, but not limited to:

- New genome-editing tools and resources;
- Genome editing in animals;
- Novel nucleic acid detection strategies based on CRISPR/Cas;
- Functional Genomics via CRISPR/Cas;
- CRISPR-based enrichment strategies for targeted sequencing;
- Bioinformatic tools for CRISPR/Cas.

Cutting-edge research includes CRISPR-based diagnostics and genome editing in animals
In addition to primary research articles, we welcome the submission of review and opinion articles regarding recent advancements in research and issues of interest to the broad readership in this cutting-edge field.

Guest Editors

Prof. Dr. Shengsong Xie

Prof. Dr. Jun Song

Dr. Jinxue Ruan

Dr. Changzhi Zhao

Deadline for manuscript submissions

closed (20 October 2023)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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