

## Special Issue

# Research on Genetics and Genomics of Cattle

### Message from the Guest Editor

Cattle are the most widespread species of large ruminants. They have incredibly high economic value and provide us with meat, milk, leather, and other useful products. With the development of biotechnology, molecular biology, genetics, and bioinformatics, multi-omics approaches are commonly used to reveal the mechanisms underlying bovine milk performance, reproductive traits, beef quality, growth traits, disease resistance, and other important traits from the DNA level (such as polymorphisms and chromosome modification), RNA level (ncRNA, alternative splicing, and RNA modification), and protein level (protein phosphorylation and acetylation). However, much of their detailed regulatory mechanism is unknown. *Genes* is now inviting submissions for a Special Issue on the topic of “Genetics and Genomics of Cattle”. Research articles, reviews, short communications, brief reports, and other forms of original articles on this topic are all welcome. Your contribution will open new avenues to discover the theoretical and practical aspects of cattle phenotype traits and provide valuable information for cattle breeding projects.

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### Guest Editor

Dr. Hanfang Cai

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### Deadline for manuscript submissions

closed (20 May 2024)

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## Genes

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## About the Journal

### 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.

Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

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