



Farm Animal Gene Exploration

Guest Editor:

Dr. Jun-Mo Kim

Animal Functional Genomics and Bioinformatics Lab., Department of Animal Science and Technology, Chung-Ang University, Anseong, Gyeonggi-do, Korea

Deadline for manuscript submissions:

closed (30 June 2021)

Message from the Guest Editor

To assign the function of genes before the genomic era, the target genes were individually explored through molecular biological techniques and populational genetics. And the quantitative trait loci (QTLs) identification regarding economic traits using the selective useful markers was one of the most important jobs for breeding and genetic achievements in livestock. After the development of DNA chips whole genomes of species, it has been more effective and feasible to find major candidate genes or loci using the genome-wide association study, even some traits have very low heritabilities. More recently, after the development of next-generation sequencing (NGS) technology, studies have not only focused on genomes, but also transcriptomes to identify the functional genes for target traits including the conventional economic traits and the brand new issues like disease resistance and immune response. We invite papers that discuss the function of genes in any kind of livestock using the recent advanced molecular genetic technologies, and/or using the whole genomic and transcriptomic NGS data. We also welcome submissions of prospective novel approaches to identify functional genes.





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Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, WA 6102, Australia
2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

Message from the Editor-in-Chief

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Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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