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Livestock Genomics, Genetics and Breeding

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Message from the Guest Editors

Dear Colleagues,

Livestock is important for biodiversity and the development of global animal husbandry. Therefore, this Special Issue, “Livestock Genomics, Genetics and Breeding”, aims to collect high-quality research articles, review articles and communications on the recent advances in molecular genetics, genomics and breeding of livestock. The publication of the accurate livestock reference genome (goat, sheep, cattle, etc.) and the rapid development of the newest wide-range high-throughput techniques have enabled us to reveal the complicated molecular mechanisms of important phenotypic traits and estimate the quantitative traits important for the breeding of livestock. Based on this, we hope to present the state of the art in the field of livestock genetics, genomics and breeding using multi-omics approaches (for GWAS, GS, epigenomics, transcriptomics, proteomics, and metabolomics). With the help of your contribution, We look forward to witnessing more cutting-edge research for the genomics, genetics and the breeding of livestock.



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Special Issue



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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?

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