

Special Issue

Advances in Poultry Genetics and Genomics

Message from the Guest Editor

Driven by ongoing updates in genomic technologies and the decreasing price of genome sequencing, research on poultry genetics has entered an unprecedented era. In the last twenty years, when genomic sequencing was extensively applied in the field of poultry genetics, more and more intensive reference genomes of poultry have been updated all the time. Evolutionary adaption and domestication on genomic levels of poultry were explained by various bioinformatic analyses. The genetic foundation of some simple traits including pigmentation-related phenotypes, combs and so on was completely determined, and some complex traits like production, reproduction, immunity, disease resistance and heat tolerance-related traits were also gradually unveiled. Importantly, knowing the genetic basement and molecular mechanisms of poultry phenotypes does not only help us to understand our closest birds, but also to develop poultry lines with more productive efficiency by using the related genetic variants on genomic levels. In this Special Issue, we invite a wide range of paper submissions on poultry genetics and genomics, including reviews, research papers and so on.

Guest Editor

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Deadline for manuscript submissions

closed (10 January 2022)

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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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