

Special Issue

Hereditary Traits and Diseases in Companion Animals

Message from the Guest Editors

The domestication, breed development, and selective breeding of companion animals have created unique populations with diverse and well-documented phenotypes. Dogs, cats, rabbits, ferrets, and other companion species offer exceptional models for exploring the genetic basis of morphology, behavior, and diseases. Studying hereditary traits in these animals not only supports responsible breeding practices that integrate health and welfare but also contributes to biomedical research and comparative genetics. This Special Issue aims to gather original research articles and critical reviews that address all aspects of hereditary traits and diseases in companion animals. We welcome contributions across a range of disciplines, including, but not limited to, behavioral genetics, inherited disorders, cancer genetics, and traits of breeding interest such as coat color and texture, morphology, and reproductive characteristics. By highlighting advances in the genetics of companion animals, this Special Issue seeks to enhance both animal health and our understanding of shared biological mechanisms between species.

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Deadline for manuscript submissions

25 September 2026

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Genes

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Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



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About the Journal

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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