Genetics and Breeding in Dogs: From Biodiversity to Pathology

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Deadline for manuscript submissions:
closed (15 August 2023)

Message from the Guest Editors

The last few decades have seen incredible advances in the field of genomics, with the development and enhancement of genomic technologies and an increasing interest of the research in this area. The first dog genome sequence assembly was released only three years after the human one, in 2004, and since then, researchers have had the opportunity to shed light on their evolution, domestication, biodiversity, and health.

Therefore, we are pleased to invite you to submit original research in the field of dog genetics, aimed at the investigation of the heritability and/or the genomic regions associated to pathologies, behavior, or other interest traits (coat colors, morphological traits, breed specialization, etc.); the evaluation of the genetic diversity of populations, either local or internationally diffused; and the study of domestication and breed development and history.

This will increase knowledge about the genetic mechanisms underlying morbid and interest traits, thus contributing to dog welfare. Moreover, studying the history and the genetic diversity of the breeds and populations would be of help in their management and conservation.

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Special Issue

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Message from the Editor-in-Chief

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